



12th ANNUAL REPORT



2023-24

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

(AN AUTONOMOUS INSTITUTE UNDER THE MINISTRY OF HEALTH AND FAMILY WELFARE, GoI)



श्री जगत प्रकाश नड्डा
SHRI JAGAT PRAKASH NADDA

माननीय केंद्रीय मंत्री

Hon'ble Union Minister

स्वास्थ्य एवं परिवार कल्याण व रसायन एवं उर्वरक, भारत सरकार

Health & Family Welfare and Chemicals & Fertilizers, Government of India



श्री प्रतापराव जाधव
Shri Prataprao Jadhav

माननीय राज्य मंत्री (स्वतंत्र प्रभार)

आयुष मंत्रालय

Hon'ble Minister of State (Independent Charge)

Ministry of Ayush

व

and

माननीय राज्य मंत्री

स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार

Hon'ble Minister of State

Ministry of Health & Family Welfare, Government of India



श्रीमती अनुप्रिया पटेल
Smt. Anupriya Patel

माननीय राज्य मंत्री

Hon'ble Minister of State

स्वास्थ्य एवं परिवार कल्याण व रसायन एवं

उर्वरक मंत्रालय, भारत सरकार

Ministry of Health & Family Welfare and
Chemicals & Fertilizers, Government of India



आरोग्यम् सुखं सम्भवा

12th ANNUAL REPORT 2023-24

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR
(AN AUTONOMOUS INSTITUTE UNDER THE MINISTRY OF HEALTH AND FAMILY WELFARE, GOVERNMENT OF INDIA)



12th ANNUAL REPORT

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Shri Shiv Shankar Sharma
Public Relations Officer



AIIMS RAIPUR AT A GLANCE- 2023-24

Academic Details

(a) AIIMS Strength

1.	Teaching Departments	35
2.	Faculty Members	193
	(a) Medical	(a) 187
	(b) Nursing	(b) 6
3.	Non- Faculty Staff	3311

(b) Students Intake (FY 2023-24)

Medical Students	125
Nursing Students	75

Hospital Services

Hospital/ Centre	Outpatients (including Casualty)	Admissions	Surgery (Operations/ Procedures)	Bed General
Main Hospital	8,38,873	45,847	Major 11,086	960
			Minor 6,949	

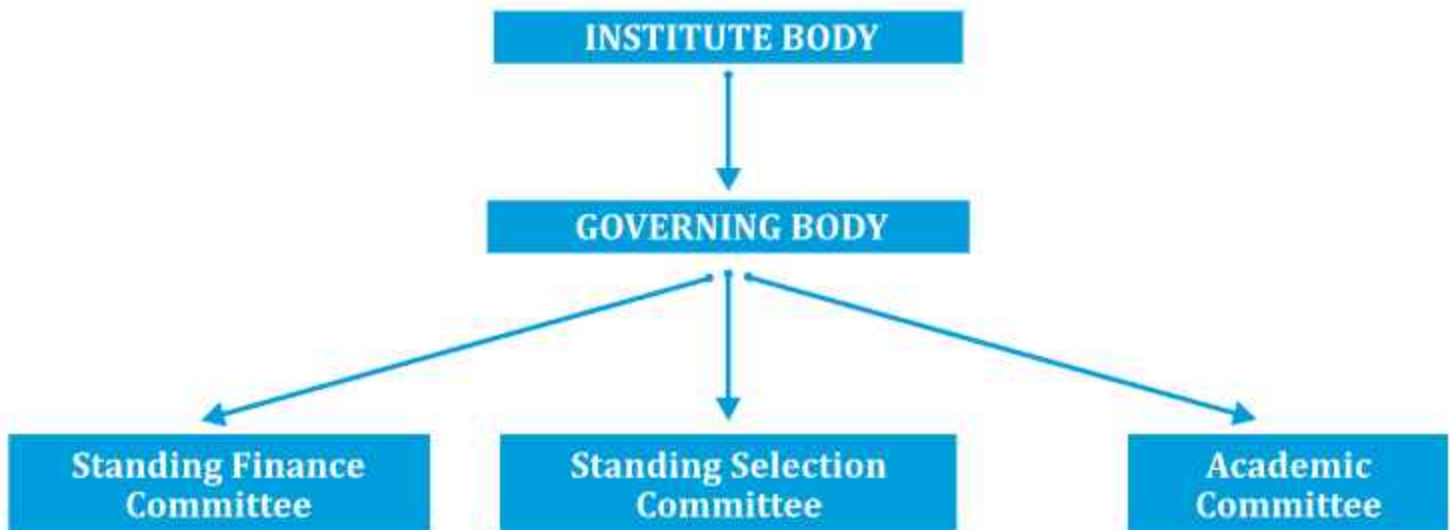
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11.	Department of Anesthesiology	74
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13.	Department of Biochemistry	104
14.	Department of Burns and Plastic Surgery	120
15.	Department of Cardiology	126
16.	Department of Cardiothoracic and Vascular Surgery	130
17.	Department of Clinical Haematology	135
18.	Department of Community & Family Medicine	137
19.	Department of Dentistry	159
20.	Department of Dermatology	176
21.	Department of Endocrinology & Metabolism	188
22.	Department of ENT - Head & Neck Surgery	194
23.	Department of Forensic Medicine & Toxicology	208
24.	Department of Surgical Gastroenterology	217

25.	Department of General Medicine	220
26.	Department of General Surgery	244
27.	Department of Medical Oncology	255
28.	Department of Microbiology	257
29.	Department of Neonatology	277
30.	Department of Neurology	283
31.	Department of Neurosurgery	286
32.	Department of Nephrology	297
33.	Department of Nuclear Medicine	308
34.	Department of Obstetrics & Gynecology	314
35.	Department of Ophthalmology	322
36.	Department of Orthopedics	333
37.	Department of Paediatric Medicine	344
38.	Department of Paediatric Surgery	363
39.	Department of Pathology and Lab Medicine	371
40.	Department of Pharmacology	390
41.	Department of Physical Medicine & Rehabilitation	406
42.	Department of Physiology	416
43.	Department of Psychiatry	434
44.	Department of Pulmonary, Critical Care & Sleep Medicine	448
45.	Department of Radiodiagnosis	456
46.	Department of Radiation Oncology	470
47.	Department of Transfusion Medicine & Blood Bank	475
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AIIMS - ORGANISATIONAL STRUCTURE



DIRECTOR'S REVIEW



The year 2023-24 has been an eventful year where we have consolidated our gains based on our experience of the pandemic. While a lot of nations struggled during the pandemic, medical institutions like AIIMS put in their best foot forward and made great personal sacrifices to provide succor & care to the most underprivileged when they needed it most. ICMR has appreciated this effort acknowledging that we are the second largest contributor to their COVID case registry among all institutions in the country. It is my great honor to present to you the 12th Annual Report of AIIMS, Raipur in the year 2023-24.

This Institute provides a diverse array of graduate, postgraduate, doctoral, paramedical programs, and specialized training across multiple departments. Currently, we accommodate 1,456 students enrolled in various courses, including MBBS, BSc Nursing, PhD, MD/MS, DM, MCh and several other paramedical and post-doctoral diploma programs. Since its establishment in 2012, AIIMS Raipur has successfully welcomed 12 cohorts of MBBS students and 11 cohorts of BSc (Hons.) Nursing students. We currently offer

157 seats annually across 27 specialties. The DM/MCh programs at AIIMS Raipur are available in 19 specialties, accommodating 41 seats each year. At present, there are 14 residents enrolled in the Post Doctoral Certificate Course across 10 specialties. Additionally, we provide 10 PhD programs, each with 20 available seats, and currently, there are 21 scholars participating in these courses.

We are pleased to announce that seven cohorts of MBBS students (approximately 2012-2018) have successfully completed their internships, while seven cohorts of B.Sc. (Hons.) Nursing students (approximately 2013-2019) have successfully finished their programs. These graduates are now engaged in various postgraduate studies at esteemed International, Central, and State institutions. Several have secured positions in high-caliber jobs across different organizations. The postgraduate students have entered specialized fields while furthering their academic qualifications by enrolling in various post-doctorate diploma and degree programs at reputable institutions worldwide.

Eight batches of postgraduate students of the MD/MS/MDS disciplines have been successful in their endeavors and so have been four batches of MSc Nursing. Six batches of PDCC students have been successfully endowed with certificates and are now serving the nation at various prestigious ranks.

The hospital operates efficiently with a total capacity of 960 beds, which includes 79 High Dependency Unit (HDU) beds, 124 Intensive Care Unit (ICU) beds, 29 private beds, and 728 general beds, all designed to deliver intensive and life-saving medical care. Additionally, we serve the community through 15 specialty departments and 17 superspecialty departments, alongside a cutting-edge trauma and emergency center that provides emergency care. The institution has experienced a significant increase in personnel, comprising 187 faculty members and 2,684 non-faculty staff, which includes regular, deputation, contractual, and outsourced employees. Furthermore, numerous staff members involved in research projects contribute to the innovative achievements of the institution. We are expecting recruitment of various faculty, along with varied cadres of nursing officers and superintendents.

The cutting-edge Virus Research and Diagnostic Laboratory is presently concentrating on testing 1002 samples, of which 183 tested positive for COVID19. For HPV, HBV, HCV, Meningitis Panel (HSV, CMV, VZV, EBV, Enterovirus, Mumps), Gastrointestinal panel, and Arboviruses (Dengue, Chikungunya, Zika and Parvovirus B19, Respiratory virus, JE). VRDL offers diagnostic and research help.

I appreciate the Hospital Infection Control Committee for smoothly and expertly guiding the institution away from the COVID-19 epidemic and toward universal measures. We take with us the lessons we've learned over the past year as we enter the post-pandemic period. Here at AIIMS Raipur, the medical services had a fresh start in 2023-2024. We saw 838873 OPD patients for consultations. Throughout the course of caring for 45847 IPD patients, we have completed 18035 procedures, 11086 major and 6949 minor. With our established AYUSH center, which treated 18601 people this year, we have maintained to believe in providing integral and comprehensive care for those in need.

The hospital is home to several government assistance programs. The Government of India's Pradhan Mantri Jan Arogya Yojna (PMJAY), which has been in operation since 2018, is the main program. With its integration, we have been able to provide help to 90587 patients, totaling about Rs. 87,00,00,000 in funds. 27008 patients benefited from the program in 2023-2024. At present, the institute offers Mukhyamantri Vishesh Swasthya Sahayata Yojana (MVSSY), Rashtriya Bal Swasthya Karyakram (RBSK), and Chirayu as additional patient benefit schemes. Weekly outreach activities are regularly conducted by the Departments of Community and Family Medicine in Urban and Rural Field Practice Areas of AIIMS Raipur throughout the year.

AIIMS is also engaged in screening, counselling, testing and managing patients with sickle cell disease by running sickle cell clinics. AIIMS is also working towards

identifying and managing chronic kidney disease of unknown origin in Supebeda. Extra-Corporeal Membrane Oxygenation (ECMO), which reaches the pinnacle of respiratory treatment possible, is now available in several ICUs, including the PICU, as part of our improved offerings for 2023-2024.

We also added 5 non-invasive respiratory support devices (Bubble CPAP) which have become operational in various ICUs. I would like to extend my heartfelt gratitude to Supplier M/s Taurus Healthcare Pvt. Ltd. for helping us avail this modern innovation for the support of patients in our institution.

I am humbled by the praise our institute has received for offering the residents of Chhattisgarh and the surrounding areas excellent health care services. We are incredibly grateful for our rankings as the 38th best medical college in the NIRF Ranking 2024, the 23rd best university in India in 2024, the magazine "The Week," the 7th best university in the India Today-MRDA Ranking, and the 33rd best hospital in the world according to News Week.

At AIIMS, Raipur, research and development play a central role in the ideals that we uphold. We have supported 21 intramural and 37 extramural initiatives that have reached out to nearby communities. By expanding the capabilities of our incredibly committed Hospital Infection Control Committee and Antimicrobial Stewardship Committee, we want to decrease antimicrobial resistance not only at the center but across the whole state. We are happy to report that we have conducted several productive

conferences, CMEs, and workshops in support of this cause.

I am grateful to every member of the AIIMS Raipur family, who has contributed honors to the institution and elevated it to the top among central India's most prestigious and well-known establishments. The team members' efforts have contributed pearls to the vast ocean of compassion, research, and patient care. The Chhattisgarh state government and the Ministry of Health and Family Welfare have provided us with consistent assistance, enabling us to meet the requirements of sick people. We appreciate your help and ask for it consistently in the years to come.

AIIMS takes great pride in offering top-notch, incredibly reasonably priced healthcare that is evidence-based, cutting edge, and committed to providing comprehensive, expert, and holistic care for a range of illnesses. We also offer preventive healthcare services that are designed to improve the general public's health in and around Chhattisgarh while enhancing the academic and research abilities of those receiving education here. In the upcoming years, we intend to upscale our services to meet the tertiary health care needs of the population.

Jai Hind.

Lt Gen Ashok Kumar Jindal (Retd)
Executive Director and CEO
AIIMS Raipur

Institute Body (IB), AIIMS Raipur				
S. No.	Name of Members	From	To	Designation
1.	Prof. (Dr.) George A D'Souza Dean St. John's Medical College, Bengaluru	18-05-2020	<i>Continued</i> 18-05-2025	President
2.	Shri Arun Sao Hon'ble Member of Parliament Lok Sabha	18-05-2020	07-12-2023	Member
3.	Shri Sunil Soni Hon'ble Member of Parliament Lok Sabha	18-05-2020	04-06-2024	Member
4.	Ms. Saroj Pandey Hon'ble Member of Parliament, Rajya Sabha	18-05-2020	02-04-2024	Member
5.	Secretary Ministry of Health and Family Welfare, Nirman Bhawan, New Delhi or his/ her nominee	18-05-2020	<i>Continued</i> 18-05-2025	Member
6.	Director General of Health Services Ministry of Health & Family Welfare Nirman Bhawan, New Delhi	18-05-2020	<i>Continued</i> 18-05-2025	Member (Ex-Officio)
7.	Additional Secretary and Financial Advisor (AS & FA) Ministry of Health & Family Welfare Nirman Bhawan, New Delhi	18-05-2020	<i>Continued</i> 18-05-2025	Member
8.	Dr. Purnendu Saxena Director, Visharad Hospital, Raipur, Chhattisgarh	18-05-2020	<i>Continued</i> 18-05-2025	Member
9.	Chief Secretary Government of Chhattisgarh Sachivalaya, Naya Raipur, Chhattisgarh, or his/ her nominee	18-05-2020	<i>Continued</i> 18-05-2025	Member
10.	Prof. Alok Kumar Chakrawal Vice Chancellor Guru Ghasidas Vishwavidyalaya Bilaspur, Chhattisgarh	25.10.2023	<i>Continued</i> 25-10-2028	Member
11.	Dr. Surjit Singh Professor & HOD, Department of Paediatrics, PGIMER, Chandigarh	18-05-2020	<i>Continued</i> 18-05-2025	Member

Institute Body (IB), AIIMS Raipur				
S. No.	Name of Members	From	To	Designation
12.	Prof. Gangadhar Former General Secretary Indian Science Congress Association	18-05-2020	<i>Continued</i> 18-05-2025	Member
13.	Prof. Ram Kumar Kakani Director, Indian Institute of Management, Atal Nagar, P. O. Kurru (Abhanpur), Raipur	08.03.2022	<i>Continued</i> 08-03-2027	Member
14.	Dr. Shipra Sharma Director Professor Medical Superintendent and Academic Incharge, DK Super-specialty Hospital and PG Institute, Raipur	18-05-2020	<i>Continued</i> 18-05-2025	Member
15.	Dr. Pradeep Kumar Patra Vice-Chancellor, Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh	18-05-2020	<i>Continued</i> 18-05-2025	Member
16.	Dr. Vijayendra Kumar Professor & HOD Department of Paediatric Surgery Indira Gandhi Institute of Medical Sciences Patna, Bihar	18-05-2020	<i>Continued</i> 18-05-2025	Member
17.	Lt Gen Ashok Jindal (Retd), Executive Director and CEO, AIIMS, Raipur	19-02-2024	Continued	Member Secretary
18.	Additional Secretary (Health), MoHFW, Government of India, New Delhi			Special Invitee
19.	Joint Secretary (PMSSY), MoHFW, Government of India, New Delhi			Special Invitee

Governing Body (GB), AIIMS Raipur		
S. No.	Name of Members	Designation
1.	Prof. (Dr.) George A D'Souza Dean St. John's Medical College, Bengaluru	Chairman
2.	Shri Sunil Soni Hon'ble Member of Parliament Lok Sabha	Member
3.	Secretary Ministry of Health and Family Welfare Government of India, New Delhi or his/ her nominee	Member
4.	Director General of Health Services (DGHS) Ministry of Health & Family Welfare Government of India, New Delhi	Member
5.	Additional Secretary and Financial Advisor (AS & FA) Ministry of Health & Family Welfare Government of India, New Delhi	Member
6.	Chief Secretary Government of Chhattisgarh or his/ her nominee.	Member
7.	Prof. Alok Kumar Chakrawal Vice Chancellor Guru Ghasidas Vishwavidyalaya, Bilaspur, Chhattisgarh	Member
8.	Prof. Ram Kumar Kakani Director, Indian Institute of Management (IIM) Atal Nagar, Raipur, Chhattisgarh	Member
9.	Dr. Pradeep Kumar Patra Vice-Chancellor, Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh	Member
10.	Dr. Surjit Singh Professor & HOD, Department of Paediatrics PGIMER, Chandigarh	Member
11.	Lt Gen Ashok Jindal (Retd), Executive Director and CEO, AIIMS, Raipur	Member Secretary

Permanent Special Invitees:	
(i)	Additional Secretary (Health), MoHFW, Government of India, New Delhi
(ii)	Joint Secretary (PMSSY), MoHFW, Government of India, New Delhi
(iii)	Dean (Academics), AIIMS Raipur
(iv)	Deputy Director (Administration), AIIMS Raipur
(v)	Financial Advisor, AIIMS Raipur

Standing Finance Committee (SFC), AIIMS Raipur		
S. No.	Name of Members	Designation
1.	Secretary Ministry of Health and Family Welfare Government of India, New Delhi or his/ her nominee	Chairman
2.	Dr. Vijayendra Kumar Professor & HOD, Department of Paediatric Surgery Indira Gandhi Institute of Medical Sciences Patna, Bihar	Vice-Chairman
3.	Vacant Hon'ble Member of Parliament Lok Sabha	Member
4.	Director General of Health Services (DGHS) Ministry of Health & Family Welfare Government of India, New Delhi	Member
5.	Additional Secretary and Financial Advisor (AS & FA) Ministry of Health & Family Welfare Government of India, New Delhi	Member
6.	Chief Secretary Government of Chhattisgarh or his/ her nominee	Member
7.	Lt Gen Ashok Jindal (Retd), Executive Director and CEO, AIIMS, Raipur	Member Secretary

ACADEMIC AND EXAMINATION SECTION

Prof. (Dr.) Alok C. Agrawal, FAMS

Dean (Academics)
Professor & Head
Department of Orthopaedics

Dr. Eli Mohapatra

Dean (Examination)
Professor & Head
Department of Biochemistry

Dr. Vinay R. Pandit

Associate Dean (Academics)
Professor & Head
Department of General Medicine

Dr. Avinash S. Ingle

Associate Dean (Examination)
Professor
Department of Physiology

Dr. Atul Jindal

Registrar
Professor
Department of Pediatrics

The Academic-cum-Examination Section was set up in April 2013. The Section has been entrusted with the responsibility of all Academic matters pertaining to the students and faculty of the institute and also examination work of the students admitted to the institute.

MBBS and B.Sc. (Hons) Nursing courses are running since 2012 and 2013 respectively. The

postgraduate courses (MD/MS) have been started from July 2017 with annual intake of 35 seats. The seats intake has enhanced gradually. Currently, 157 seats (including 2 seats of MCh CTVS-6 Years and 4 sponsored seats) are available in the MD/MS/MDS Courses at AIIMS Raipur.

Currently, following courses are available at AIIMS Raipur:

DM/MCh Courses		
Course	Annual Intake	Students admitted in 2023-24
DM Cardiology	2	2
DM Clinical Infectious Diseases	2	0
DM Clinical Pharmacology	2	1
DM Nephrology	2	2
DM Paediatric Critical Care	2	2

DM Cardiology	2	2
DM Paediatric Emergency Medicine	2	1
DM Pulmonary Medicine	4	2
MCh Cardiovascular and Thoracic Surgery	2	0
MCh Head-Neck Surgery & Oncology	2	1
MCh Joint Replacement and Reconstruction	2	2
MCh Neurosurgery	3	2
MCh Paediatric Surgery	2	0
MCh Plastic Surgery and Reconstructive Surgery	2	1
MCh Urology	2	2
DM Medical and Forensic Toxicology	2	2
DM Cardiac Anaesthesia	2	2
DM Critical Care	2	2
DM Endocrinology	2	2
DM Neonatology	2	2
Total no. of DM/MCh seats	41	28

Ph.D. Courses		
Course	Annual Intake	Students admitted in 2023-24
Biochemistry	2	1
Community & Family Medicine	2	0
Forensic Medicine & Toxicology	2	2
Nuclear Medicine	2	0
Orthopaedics	2	0
Pathology & Lab Medicine	2	2
Physiology	2	0
Anatomy	2	0
General Medicine	2	0
Microbiology	2	2
Total no. of PhD seats	20	07

MD/MS/MDS Courses

Sr. No.	Department	Approved PG seats per annum	Sponsored Seats	Students admitted in 2023-24
1	MD in Anaesthesiology	14	1	14
2	MD in Anatomy	3	0	0
3	MD in Biochemistry	4	0	2
4	MD in Community Medicine	8	0	7
5	MD in Dermatology	4	0	4
6	MS in ENT	5	0	6
7	MD in Emergency Medicine	8	1	8
8	MD in Forensic Medicine and Toxicology	2	0	1
9	MD in General Medicine	12	1	14
10	MS in General Surgery	10	0	6
11	MD in Microbiology	6	0	4
12	MD in Nuclear Medicine	2	0	2
13	MS in Obstetrics and Gynaecology	10	0	10
14	MS in Ophthalmology	8	0	5
15	MS in Orthopaedics	6	0	7
16	MD in Paediatrics	8	1	9
17	MD in Pathology	9	0	9
18	MD in Pharmacology	4	0	4
19	MD in Physical Medicine and Rehabilitation	2	0	1
20	MD in Physiology	3	0	1
21	MD in Psychiatry	5	0	5
22	MD in Radiodiagnosis	6	0	6
23	MD in Radiotherapy	2	0	2
24	MD in Transfusion Medicine	5	0	5
25	MDS in Oral and Maxillofacial Surgery	3	0	3
26	MDS in Paediatric and Preventive Dentistry	2	0	2
27	MCh (CTVS) - 6 years program	2	0	2
	Total	153	4	139

Post Doctoral Certificate Courses (PDCC)		
Course	Annual Intake	Students admitted in 2023-24
PDCC in Cardiac Anaesthesia	3*	0
PDCC in Critical Care	4*	0
PDCC in Neurosurgical Anaesthesia	3	1
PDCC in Pain and Palliative Care	2	2
PDCC in Neonatology	4*	0
PDCC in Paediatric Cardiac Critical Care	2	1
PDCC in Cardiothoracic and Vascular Imaging & Interventional Radiology	2	2
PDCC in Obstetric Anaesthesia	2	0
PDCC in Paediatric Anaesthesia	1	1
PDCC in Onco-Anaesthesia	2	1
PDCC in Cardiac Critical Care Medicine	2	0
PDCC in Breast Surgery	2	0
PDCC in High-Risk Pregnancy	2	2
PDCC in Gynaecological Endoscopy	2	2
PDCC in Paediatric Haematology and Oncology	1	0
PDCC in Medical Retina	1	1
PDCC in Hospital Infection Control	2	2
Total No. of PDCC seats	37	15

* Sponsored seats.

Course	Annual Intake	Students admitted in 2023-24
MBBS	125	125
B.Sc. (Hons.) Nursing	75	75
Master of Public Health (MPH)	06 (including 4 sponsored seats of Govt. of Chhattisgarh)	10
M.Sc. Nursing-Psychiatric Nursing	04	04

M.Sc. Nursing (Medical Surgical Nursing - Cardiovascular and Thoracic Nursing)	02	Will be published in 2024 session.
M.Sc. Nursing (Pediatric Nursing)	02	
M.Sc. Nursing (Obstetrical and Gynaecological Nursing)	02	

Course	Annual Intake	Students admitted in 2023-24
Bachelor in Audiology & Speech Language Pathology	4	On hold
B.Sc. in Operation Theatre Technology	8	5
B.Sc. In Medical Technology In Radiography	5	1
B.Sc. In Medical Laboratory Technology	8	6
Advanced Diploma in Radiotherapy Technology (ADRT)	2	On hold
Pre-Hospital Trauma Technician (PTT)	10	On hold

As on 31.03.2024, the number of Undergraduate students/PG Students/Ph.D. Scholars pursuing the various courses are as under:

Course	No. of students pursuing the course
MBBS	646
B.Sc. (Hons.) Nursing	265
MD/MS/MDS	367
DM/MCh	74
PDCC	14
M.Sc. Nursing-Psychiatric Nursing	07
Ph.D.	22
Master of Public Health	10
Paramedical courses	51

Details of the courses:**MBBS**

Batch	Annual Intake	Students admitted	Studying in	Exam scheduled in	Remark
2012	50	50	----	----	Completed the course.
2018	100	100	----	----	Completed the course.
2019	100	100	----	----	Posted for one year compulsory rotational internship from January 2024.
2020	125	125	3 rd Professional Part II	November/ December 2024	----
2021	125	125	3 rd Professional Part I	January/ February 2025	----
2022	125	125	2 nd Professional	January/February 2025	----
2023	125	125	1 st Professional	August/September 2024	----

The MBBS and B.Sc. (Hons.) Nursing students of AIIMS Raipur are pursuing postgraduate courses at various esteemed central, state medical colleges in India and also in foreign universities. The postgraduate students of AIIMS Raipur are also pursuing the Superspeciality Courses in reputed Institutes.

B.Sc. (Hons.) Nursing

Batch	Annual Intake	Students admitted	Studying in	Exam scheduled in	Remark
2013	60	60	----	----	Completed the course.
2019	60	60	----	----	Completed the course.
2020	75	75	4 th Year	July 2024	----
2021	75	75	3 rd Year	October 2024	----
2022	75	42	2 nd Year	August/ September 2024	----
2023	75	75	1 st Year	July/August 2024	----

MD/MS/MDS Courses

Session	Annual Intake	Students admitted	Studying in	Exam scheduled in
July - 2017	35	09	----	Completed the course
Jan - 2018		25	----	Completed the course
July - 2019	92	48	----	Completed the course
Jan - 2020		51	----	Completed the course
July - 2020	127	44	----	Completed the course
Jan - 2021		75	----	Completed the course
July - 2021	148	54	3 rd year	June/July - 2024
Jan - 2022		81	3 rd year	December 2024
July - 2022	157	24	2 nd Year	June/July 2025
Jan - 2023		112	2 nd Year	Nov./Dec. 2025
July - 2023	157	76	1 st Year	June/July 2026
Jan - 2024		70	1 st Year	Nov./Dec 2026

M.Sc. Nursing - Psychiatric Nursing

Session	Annual Intake	Students admitted	Studying in	Exam scheduled in
July - 2018	02	02	----	Completed the course
July - 2020	04	04	----	Completed the course
July - 2021	04	04	----	Completed the course
July - 2022	04	04	2 nd Year	Aug./Sep. - 2024
July - 2023	04	04	1 st Year	October - 2024

Performance of students in examination
2023-24

Name of Exam	No. of Students Appeared	No. of Students passed	Passing Percentage
B.Sc. (Hons) Nursing 1 st Year	39	38	97.43
B.Sc. (Hons) Nursing 2 nd Year	74	63	85.13
B.Sc. (Hons) Nursing 3 rd Year	75	74	98.67
B.Sc. (Hons) Nursing 4 th Year	58	54	93.1

M.Sc. Nursing-Psychiatric Nursing 1 st year	4	4	100
M.Sc. Nursing-Psychiatric Nursing 2 nd year	1	1	100
MBBS 1 st Prof	122	99	81.14
MBBS 2 nd Prof	127	121	95.27
MBBS 3 rd Prof Part-1	118	114	96.61
MBBS 3 rd Prof Part-2	101	89	88.12
MD/MS (July 2020 batch)	43	43	100
MD/MS (Jan 2021 batch)	68	66	97
DM/MCh (July 2020 batch)	8	8	100
DM/MCh (July 2021 batch)	6	6	100
PDCC (July 2022 batch)	20	20	100
Master of Public Health (2021 batch)	6	6	100
Paramedical 1 st Year	5	5	100
Paramedical 2 nd Year	20	18	90
Paramedical 3 rd Year	16	15	94

Account of Recruitment of Senior Resident (Non Acad) and Junior Resident (Non Acad) at AIIMS Raipur during 2023-24:

Post	No. of post advertised	No. of selected candidates	No. of filled post
Senior Residents (Non Acad)	1063	153	115
Junior Residents (Non Acad)	39	34	33

Other Activities

- Organized Cyclothon on 03.06.2023 on the occasion of World Bicycle Day 2023 to promote use of bicycles and its role of keeping person fit and healthy for all Faculty Members including Nursing Faculty, Officers, Senior Residents (Academic and Non Academic), Junior Residents (Academic and Non Academic), All Staff (Medical College Building and Hospital Blocks) and Students.
- Conducted one day consultation and awareness program on Gender Affirmation care and Transgender Act 2019 on 12.03.2024 for all Faculty Members and Employees of

AIIMS Raipur in the Auditorium of AIIMS Raipur.

- Organized a Shivir on the theme "Celebrating Life". A talk has been delivered by eminent motivational speaker Bramhakumar Shakti Raj Singh, Prajapati Bramhakumari Ishwariya Vishwavidyalaya on 19.05.2023.
- Conducted Foundation Course in Research Methodology for MD/MS/MDS Residents and Ph.D. Fellows (January-2023 session onwards) from 26.03.2024 to 28.03.2024.
- This year, AIIMS Raipur climbed 10 ranks in the 'Medical' category, ranked #39 in 2023 by the NIRF.

ADMINISTRATION

Deputy Director (Administration)

Shri Anshuman Gupta (Till 05.10.2023)

Shri B.K Agarwal (06.10.2023)

Col. (Dr.) Ajit Kumar (From 07.10.2023 to 12.01.2024)

Shri Kunal Sharma (From 13.01.2024)

Senior Administrative Officer & Senior Procurement-cum-stores Officer (Central Stores)

Shri V. Sitaramu

Administrative Officer

Shri A Venkat Ramana

HIGHLIGHTS

The General Administration, including Personnel and Establishment, Security, Estate, matters related to Engineering Services Department, Stores, Public Relations activities and Rajbhasha Department of the Institute are controlled and supervised by the Deputy Director (Administration). There are various sections looking after the above-mentioned areas.

Responsibilities of Establishment Section and General Administration include appoint-

ments, arranging meeting of the statutory committees, management of estate and property, purchase of equipment, materials and consumables, security arrangements, employees' welfare, handling matters pertaining to RTI, Hindi Cell, PG Portal, Sexual Harassment, etc.

The total sanctioned staff of the Institute is 4189 which includes staff of all Centers/Main Hospital/D.O. The number of group-wise sanctioned strength and staff in-position as on 31.03.2024 is mentioned below:

S. No	Category/Group	Sanctioned Strength	In-position
1.	Faculty members	305	187
2.	'A'	1030	745
3.	'B'	2228	1733
4.	'C'	626	839
	Total	4189	3504

FOR THE FY-YEAR 2023-24

PG PORTAL	
Grievances received	Grievances disposed of
102	102
RTI CELL	
Letters received	Letters disposed of
952	952

(A) Department of Public Relations**Public Relations Officer****Shiv Shankar Sharma, Ph.D.**

The Public Relations Office is actively engaged in Public Outreach activity through internal and external communication activities. It is regularly disseminating information about AIIMS, Raipur through Print, Electronic, social Media and in the form of Publicity Material. During the Financial Year 2023-24, PR Office has released more than 277 press release in English and Hindi. They were published in more than 9 Newspapers in Chhattisgarh. The Office is also working as a Nodal Office for Social Media including Facebook, Twitter (now known as X) handle of the Institute. All Social Media accounts

are updated on regular basis. PR Office has also coordinated with more than 50 different Departments of AIIMS Raipur for timely preparation and submission of the Annual Reports to the Ministry. Department of Public Relations actively involved in compiling of data for NIRF ranking of AIIMS Raipur.

The Department has been co-ordinating and making proper arrangements for the VIP visitors. The Department is releasing different Advertisement, working as nodal office for Monthly Progress Reports, Achievement Report, PwD Report to the MoHFW, PMSSY Dashboard Data, Public Grievances, NORCET and Vehicle Management.

(B) Recruitment Cell

AIIMS Raipur strives to attract and recruit best talent from across the country to meet the need and aspirations of citizens for world-class tertiary healthcare services and to attain self-sufficiency in medical education, training and research of global standards. In alignment with the aim, AIIMS Raipur has a dedicated Recruitment Cell to attract and recruit best talent across country in a transparent and fair manner.

The Recruitment Cell is entrusted with the responsibility of carrying out recruitment to all Faculty and Non-faculty posts at the Institute as per the Government of India rules and decisions of the Central Institute Body (CIB), Institute Body and Governing Body of AIIMS Raipur issued from time to time. Recruitment advertisements are published in national dailies in both Hindi and English, local newspapers, Employment News, and on the website of AIIMS Raipur and PMSSY, MoHFW.

(C) Rajbhasha Cell

Chairman

Departmental Official Language Implementation Committee

Lt Gen Ashok Jindal

Deputy-Director (Administration)

Lt Col Kunal Sharma

Sr. Hindi Officer

Shri Shiv Shankar Sharma (In-charge)

Shri Madhuragi Shrivastava (from 15.02.2024)

Junior Hindi Translator

Shri Madhuragi Shrivastava (Till 14.02.2024)

Ms. Nidhi Jaiswal

Shri Vinay Kumar

Members

All HODs and Officers

AIIMS Raipur

Activities and Programmes organized by Rajbhasha Cell during financial year 2023-24:

1. Quarterly meeting of Departmental Official Language Implementation Committee was organized on 8th June, 29th September, 26th December, 2023 and 18th March, 2024. Lt Gen Ashok Jindal Director and CEO, AIIMS, Raipur and Chairman, Departmental Official Language Implementation Committee reviewed the progress done under the official language act and directed all the HODs to follow the instructions given by Rajbhasha Department, Ministry of Home Affairs, Govt. of India.
2. On 31st July, 2023, On the occasion of the birth anniversary of Munshi Premchand a workshop was organized in the depart-

ment about his invaluable contribution to Hindi literature. Hindi-Pakhwara was organized in AIIMS, Raipur from 16-30 September, 2023. Different competitions like Medical Terminology, Administrative Terminology, Dictation, Essay, Extempore, Self-Written Poetry Recitation, Debate, Quiz were organized. In these competitions, 94 students and 201 officers/employees participated enthusiastically. A prize amount of ₹ 2,25,000/- was distributed among winners. On 10th October, 2023 on the occasion of the birth anniversary of Dr. Ram Vilas Sharma, a workshop was organized in the department about his invaluable contribution to Hindi literature. On 10th January, 2024, on the occasion of **International Hindi Day**, a special discussion was organized in the office on the topic "**Global Spread of Hindi**".

- Hindi Typing Workshops were organized by Rajbhasha Cell on 20-21 April and 24-27 April, 2023. In this sequence, a Hindi workshop on "**Contribution of new technology in the prosperity of Hindi**" was organized on 29.09.2023. Hindi typing workshops were organized from 18-23 December, 2023. To promote official use of Hindi among officers and employees of Institute and to provide a platform towards expression of Hindi Literature, a workshop- "**Importance of official language Hindi in the office work**" was organized on 11.03.2024. During the financial year 2023-24 a total of 153 officers/ staffs were

trained by Rajbhasha cell in Hindi typing workshops and Hindi workshops.

- AIIMS Raipur is an important member of Town Official Language Implementation Committee.
- Annual Report of financial year 2023-24 was completely translated by Rajbhasha Cell, AIIMS, Raipur. In addition to it, Rajbhasha Cell translated documents, letters, circulars, reports, thesis, consent forms, Scientific Articles and other documents received time to time from various departments.

Rajbhasha Cell, AIIMS, Raipur ensures that section 3(3) of the Official Language Act 1963 is being followed in letter & spirit and various mandatory provisions related to it are also being followed. Following steps were taken to encourage & promote the use of hindi:-

- New editions of Half-yearly Hindi Magazine '**SPANDAN**' of AIIMS, Raipur was prepared. Tenth edition of (April- September, 2023) and eleventh edition (October-March, 2023-24) were circulated among various departments through online mode.
- In order to promote official work in Hindi, AIIMS, Raipur awarded 09 **Rajbhasha**

Protsahan Puraskar worth Rs. 27,000/- on 29th September, 2023 to officers and employees who have worked maximum in Hindi.

- For giving Hindi Dictation by HODs and Officers, 3 HODs received a sum of Rs. 70,000/- under "**Hindi Dictation Yojana**".
- Employees of AIIMS, Raipur are being given regular type writing training in Hindi.

1. Documents issued during 2023-24 under section 3(3) of Official language act, 1963

1.	Total no. of documents issued	3995
2.	Total no. of documents issued bilingually	3995
3.	No. of documents issued only in English	0

2. Letters received in Hindi during 2023-24 (Rule 5 of Official Language Rules, 1976)

1.	Total no. of letters received	6072
2.	Out of these, no. of letters replied to in Hindi?	5241
3.	No. of letters replied to in English?	0
4.	No. of letters not to be replied to?	831

3. No. of letters received in English but replied in Hindi during 2023-24

	No. of letters received in English	Out of these, no. of letters replied to in Hindi?	Out of these, no. of letters replied to in English?	No. of letters not to be replied to?	Percentage of letters replied in Hindi
	1	2	3	4	5
From region 'A'	13694	11791	1399	504	86.10%
From region 'B'	143	114	22	7	79.72%

4. Details of total letters issued during 2023-24

	In Hindi	In English	Total no. of letters issued	Percentage of letters issued in Hindi
	1	2	3	4
To region 'A'	10474	1726	12200	85.85%
To region 'B'	128	40	168	76.19%
To region 'C'	43	37	80	53.75%

5. Noting in Hindi on files/documents during 2023-24

No. of pages of Hindi noting	70627
No. of pages of English noting	15215
Total No. of pages of noting	85842
Percentage of Noting in Hindi with respect to English	82.27%

(D) Security Office

Security Officer

Smt. Upasana Khond Singh

Highlights

The security establishment, AIIMS Raipur (C.G) is committed towards peripheral and perimeter security of the main campus of AIIMS, Raipur, its annexes and residential campus. It makes consolidated efforts to provide security services at the intersection of patients/public and medical practitioners, other dedicated staff working for the institution. It controls, regulates and thereby up-keeps the safe access of patients and public to services offered by the premier institution.

The security office is capacitated by experience of officers on deputation as well as ones recruited by the institution. It has a personnel base of around 350 (outsourced), which operates in shifts of 24x7/365, dedicated to day to day/routine security screening at gates, corridors, wards, managing crowd in high footfall areas, route lining, etc. It also looks after bandobast and VIP duties on special occasions. It engages in securing safety of and around critical installations. A

dedicated fire fighting team monitors fire situations, hazards throughout the campus. The security team is motivated to perform well through skill up-gradation programmes, regular mock drills.

The state of art security is upgrading itself in the ever expanding AIIMS, Raipur since its inception. CCTV cameras have been installed to monitor in real time the sensitive areas of the premises with the help of two equipped CCTV control rooms in a professional, ethical and legal manner through standard operating procedures.

Adequate participation of women is being ensured by the office in concern for various tasks-at office, field sides and CCTV control rooms.

The security setup is evolving with the adoption of new technologies and operational techniques, logistics. It is enriching itself by ceaseless collaboration with other stakeholders working for the institution. The team is committed to polite, firm and prompt security services to all.

FINANCE & ACCOUNTS

Financial Advisor

Shri B. K. Agrawal

Finance and Chief Accounts Officer

Shri Vinod G

Accounts Officers

Shri B. N. Verma

Shri J. Sajit Nair

Shri Vishal Kumar

Shri Debasish Bhadra

HIGHLIGHTS

The Finance & Accounts Wing of AIIMS Raipur is headed by the Financial Advisor who is assisted by 01 FC&AO, 4 Accounts Officers; and 01 Assistant Accounts Officer, a number Junior Accounts Officer and Account Assistants. Each branch is headed by an Account Officer with supportive staffs. Broadly the Finance & Accounts Wing looks after the Budget Management, Cash Flow, Expenditure Control, Financial Vetting & Concurrence of procurement proposals as per GFR, Payments including Salary, third party payments like vendor bills related to procurements, payments of bills related to Project Work, Payments to HITES/HLL, HEFA Loan Managements, Preparation of Annual Accounts & Financial Statements, CAG & Internal Audit compliances etc. A brief description of duties & responsibilities assigned to Finance & Accounts Wing are as below:

- ❖ Preparation of Annual Budget of the Institute.
- ❖ Receiving Grant-in-Aid for Salary, General and Capital expenditure from the Administrative Ministry.
- ❖ Budget Management, Cash Flow Management and Expenditure Control.
- ❖ HEFA Loan Managements.
- ❖ Management of Hospital Receipts.
- ❖ To accord financial concurrence as per the provisions of GFR on matters related to procurement of the Institute.
- ❖ To ensure that proper maintenance of books of accounts and schedules as per the provisions of Central Accounting Manual (CAM) and directions issued by Comptroller Auditor General (CAG)/ Chief Controller of Accounts (CCA)
- ❖ To prepare pay bill of employees & other necessary records as per the provisions of income tax, sales tax, service tax & other statutes.
- ❖ To prepare the financial statements (receipts & payments accounts, income & expenditure account and balance sheet).
- ❖ To get the various Audits done like CCA audit, CAG audit and to submit compliance /ATN.
- ❖ Handling of New Pension Schemes, GPF and PFMS.
- ❖ Scrutiny of project related works and other bills.
- ❖ Submission of requisite receipt and expenditure details to PMSSY division of Ministry of Health & Family Welfare.

ENGINEERING WING

Executive Engineer (Civil)

Er. Prashant Kumar Ravi

HIGHLIGHTS

All India Institute of Medical Sciences, Raipur has been established under PMSSY. To complete the project separate contracts for building infrastructure works have been awarded in four packages namely, Construction of Medical College & Hostel Complex, Hospital Complex, Electrical Services and Estate Services.

As per master plan Institute shall be housed in a 100 Acres campus with the requisite facilities as per Medical Council of India norms. The campus,

besides the built up area of the hospital, hostels, residential areas etc. shall also have landscape open areas, parking spaces, areas of recreational activity.

The Engineering Department (Project Cell) of AIIMS, Raipur is mainly dealing with Construction activities of Package I, II, III and IV & New Civil, Electrical, AC&R and Firefighting works as per requirement including maintenance works. The details of major works are mentioned below:

BRIEF OF ALL PACKAGES (as on 31.03.2024)

Status of construction in AIIMS Raipur (As on 31.03.2024) is mentioned below

AIIMS PC	Package	Agency	Approved Contract Value (Rs.cr)	Physical Progress of construction (%)	Actual payment till date	Date of Completion/ EDC
HSCC (INDIA) LIMITED	Pkg - I Medical College	M/s Punj Lloyd Ltd.	115.21	100	128.30	28.02.2020
	Pkg - II Hospital Complex	M/s B.L. Kashyap & Sons Ltd.	262.40	100	331.68	22.09.2022
	Pkg - III Electrical Services	M/s Ahluwalia (Contractcs) India Ltd.	35.86	100	36.59	28.02.2020
	Pkg - IV Estate Services	M/s B.L. Kashyap & Sons Ltd.	63.33	100	61.96	21.03.2022

PACKAGE - I**MEDICAL COLLEGE & HOSTEL COMPLEX AT AIIMS RAIPUR**

Contractor	:	M/s Punj Llyod Ltd.
Contract Amount	:	Rs. 115.21 Crore
Date of Commencement	:	30 th May 2010
Original Date of Completion	:	29 th Aug 2011
Date of Completion	:	28.02.2020
Physical Progress	:	100%
Fund released so far	:	128.30 Crores

Package - I**AUDITORIUM**

BRIEF SCOPE OF WORK

S.NO	NAME OF BUILDING	PATTERN	TOTAL FLOOR (SQM)
1.	Medical College	LG+G+2	25416.00
2.	Nursing College	G+3	4300.00
3.	Auditorium	LG+G+1	2854.00
4.	Nurses Student Hostel	G+6	5914.00
5.	Nurses Hostel including Kitchen/Dinning	G+8	7920.00
6.	Girls Hostel	G+7	3161.00
7.	PG & Interns Hostel incl Recreation Hall	G+7	8392.00
8.	Boys Hostel including kitchen/Dinning	G+5	6408.00
9.	Resident Hostel including Recreation Hall	G+5	6094.00
10.	Animal House	G	150.00
11.	Electric Sub Station (No. 6)	G	163.00
Total			70772.00

PACKAGE - II**HOSPITAL COMPLEX AT AIIMS RAIPUR**

Contractor	:	M/s B L Kashyap & Sons Ltd.
Contract Amount	:	Rs. 262.40 Crores
Date of Commencement	:	11 th Sep 2010
Date of Completion	:	10 th Sep 2012
Date of Completion	:	22.09.2022
Physical Progress	:	100%
Fund released so far	:	331.68 Crores

BRIEF SCOPE OF WORK

S.NO	NAME OF BUILDING	PATTERN	TOTAL FLOOR (SQM)
1.	Hospital Building	LG+G+4	86970.00
2.	Trauma Centre	LG+G+3	7207.00
3.	Ayush and PMR	LG+G+2 LG+G+3	3384.00 4377.00
4.	Laundry	G	733.00
5.	Medical Gas Plant	G	223.00
6.	Boiler	G	58.00
7.	Electric Sub Stn – 2 & AC Plant	G	804.00
8.	Work Shop	G+1	962.00
9.	Bio Medical Waste Plant	G	457.00
10.	Garage & Office Maintenance	G	432.00
11.	Main Receiving Station & Sub Stn	G	1353.00
12.	LPG Store	G	36.00
13.	Incinerator	G	113.00
	Total		107109.00

PACKAGE - III**ELECTRICAL SERVICES AT AIIMS RAIPUR**

Contractor	:	M/s Ahluwalia Contracts (India) Ltd.
Contract Amount	:	Rs. 41.20 Crore*
SITC	:	Rs. 35.86 Crore
O & M	:	Rs. 5.34 Crore
Start Date	:	19 th Aug 2011
Completion Date	:	18 th Dec 2012
Date of Completion	:	28.02.2020
Physical Progress	:	100%
Fund released so far	:	36.59 Crores

PACKAGE - IV**ESTATE SERVICES AT AIIMS RAIPUR**

Contractor	:	M/s B.L. Kashyap & Sons Ltd.
Contract Amount	:	Rs. 63.33 Crore
Start Date	:	02 nd Feb 2012
Completion Date	:	01 st Feb 2013
Date of Completion	:	21.03.2022
Physical Progress	:	100%
Fund released so far	:	61.96 Crores

STATUS OF CIVIL (Non DPR Works) as 31.03.2024**Including the work assigned to CPWD****Academic Block & Administrative Block**

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	96.5%	98%	--	Sanction Amount Rs. 199.60 Cr. Tendered Amount Rs. 159.43 Cr. Total expenditure Rs. 170.93 Cr. Total Release till date Rs. 195.90 Cr.

Furniture for Academic Block & Administrative Block

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	--	--	--	The preliminary Estimate amounting Rs. 13,92,66,743 submitted by CPWD is approved by competent authority AIIMS Raipur and the same is sent to CPWD for tender process. Bid on GeM portal opened on 14.03.2024 and technical evaluation is in progress by CPWD

Residential Complex Phase - II

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	--	--	--	Soil investigation completed and preliminary drawing has been submitted for approval of client. Revised drawings as required by AIIMS, Raipur have been submitted by Senior Architect, CPWD which have been approved with minor changes.

Construction of Boundary wall of School of Public Health at Naya Raipur

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	72%	65%	--	Works in progress.

Construction of Boundary wall of Rural Health Training Centre at Kurud

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	82%	60%	--	Works in progress.

Construction of Boundary wall of Rural Health Training Centre at Kurud

Month	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure	Remark
31.03.2024	20%	--	--	1. Shifting of Existing services of CCHB site - work is in progress.
	--	--	--	2. CCHB main work - Tender for main work has been awarded on 06.03.2024 with date of start on 16.03.2024. Preliminary activities are in progress.

HOSPITAL AND DEPARTMENT OF CENTRAL MEDICAL RECORDS

Medical Superintendent

Dr. Renu Rajguru

Additional Medical Superintendent

Dr. Nitin Kumar Bhajandas Borkar

Deputy Medical Superintendent

Dr. Nitin Kumar Kashyap

Dr. Ramesh Chandrakar

Dr. Dibakar Sahu

Faculty In-Charge for MRD

Dr. Joydeep Samanta

Medical Record Officer Cum Sub-Registrar (Birth & Death)

Mr. Kalleshwara I.T

About the Hospital

Since its establishment, the Department of Central Medical Records has been extending its services to the Institute, patients and the public. The Department is located in the basement of Hospital 'D' Block, Room No. 01, AIIMS Raipur. Department of Central Medical Records where medical records are organised and kept as per the best practiced and prescribed procedures.

Key functions of the Department of Central Medical Records:

- Electronic Medical Record (EMR)/ Electronic Health Record (EHR).
- Digitalization of Medical Records.
- State-of-the-art Electronic Motorized Compactor for Medical Records.

- Issue and correction of Birth and Death Certificates.
- Maintenance of all records/Medico-Legal Cases as per norms.
- Medical Audit and Statistical Studies.
- Online facilitation for Registration, Billing etc.
- Death review meeting /COVID-19 death review meeting, facilitating all types of Insurance Claims.

The Department has extended the following services/facilities in the Financial Year 2023-24:

- 2428 Birth Certificate issued.
- 2289 Death Certificate issued through physical and online.
- 565 corrections in Birth Certificate and 685

Corrections in the Death Certificate are done.

- 695 Insurance Claim facilitated.

- 135 replies given to various RTI questions.
- Developed various formats in HMIS software.

Hospital Statistics from 01-04-2023 to 31-03-2024

S.No.	Particular	Numbers
1.	Total No. of Outpatients attendance	838873
2.	Total No. of New Cases	468469
3.	Total No. of Old Cases	370404
4.	Total No. of COVID -19 OPD	92
5.	Daily Average No. of Outpatient attendance	2844
6.	Total No. of Outpatient attendance in Casualties	39260
7.	Daily Average No. of Outpatient attendance in casualties	108
8.	Total No. of Admissions	45847
9.	Total No. of Discharges	45709
10.	Daily Average No. of occupied In Patient attendance	728
11.	Daily Average Bed Occupancy Rate (Including day care)	86%
12.	Total No. of Deliveries conducted	2428
13.	No. of Live Births	2402
14.	No. of Still Births	26
15.	Total No. of Deliveries (Full Term Normal Delivery)	1078
16.	Total No. of Deliveries LSCS	1350
17.	X-Ray (Including OPD & IPD)	1,78,298
18.	USG (Including OPD & IPD) 30942 Obstetrics & Gynaecology (7852)	38,794
19.	CT scan (Including OPD & IPD)	22,878
20.	Radiology OPD & IPD Total No. of Special Investigations	7,008
21.	MRI (Including OPD & IPD)	5,105
22.	Total No. of Investigations (Including Biochemistry, Microbiology, Pathology and Radiology OPD & IPD)	35,40,054

S.No.	Particular	Numbers	
23.	Color Doppler	3,155	
24.	Angiography/Angioplasty	763/285	
25.	ECHO	11,572	
26.	No. of Investigations in Biochemistry (Including OPD & IPD)	26,71,076	
27.	No. of Investigations in Microbiology (Including OPD & IPD)	1,87,000	
28.	No. of Investigations in Pathology (Including OPD & IPD)	4,27,317	
29.	No. of Investigations in Radiology (Including OPD & IPD)	2,54,661	
30.	Total No. of Operations performed	18,035	
31.	No. of Major Surgeries	11,086	
32.	No. of Minor Surgeries	6,949	
33.	Total No. of Death(including Brought Dead-479 & Casualty Death-391)	2263	
34.	No. of Death below 48 Hours	324	
35.	No. of Death above 48 Hours	1069	
36.	Gross Death Rate	4.24	
37.	Net Death Rate	3.26	
38.	Forensic Medicine and Toxicology	Medico Legal Cases Handled	7383
		Medico Legal Autopsies Performed	558
		Embalming of Autopsied Bodies	21
		COVID Body Handed Over	7
39.	Brought dead	479	
40.	No. of Insurance claims	355	
41.	Mortality Cases Review	2289	
42.	ORS (Online Registration System)	2,69,370	
43.	Audiometry	Audiology	4393
		Speech language	949
		Special Investigation	1320
44.	PMR (Physiotherapy)	21,891	

S.No.	Particular	Numbers	
45.	The Ayushman Bharat Digital Mission (ABDM) Total number of registered cases	3,46,364	
46.	Organ Transplant (Kidney Transplant)	Total number of Live kidney transplant	16
		Total number of Cadaver	3
47.	Total no of Eye Donation	Utility-36	37
		NSFS:Not suitable for surgery (use in research)-03	
		OEB**Received from others Eye Bank-02	
48.	The National Viral Hepatitis Control Program under [NVHCP] Details of hepatitis positive cases getting treatment in AIIMS, Raipur	No of patients screened for Hepatitis B virus [HBV]	3463
		No of Hepatitis B virus [HBV] positive patients	691
		No of patients of Hepatitis B on treatment in AIIMS Raipur	152
		No of patients screened for Hepatitis C virus [HCV]	3060
		No of Hepatitis C virus [HCV] positive patients	319
		No of patients of Hepatitis C on treatment in AIIMS Raipur	168
49.	Mission Indradhanush (Immunization)	34,343	
50.	Pradhan Mantri National Dialysis Programme (PMNDP)	7,233	
51.	The National Tuberculosis Elimination Program	Total number of New registered cases	957
		Total number of Recurrent registered cases	60
		Directly Observed Therapy Short course (DOTS)	155
		Total number of Referred cases	802

Bed Occupancy

Month	Days of the Month	No. of Beds	Total Admission	Total no. of patients stayed during the month	Total no. of hospital per the month	Bed Occupancy %	Average patients staying in the hospital per day	Average patients admitted per day
Apr-23	30	900	3440	20971	28800	73%	699	115
May-23	31	900	3956	19887	29760	67%	642	132
Jun-23	30	900	3452	19919	28800	69%	664	115
Jul-23	31	900	4002	22925	29760	77%	740	133
Aug-23	31	960	4072	23659	28800	82%	763	136
Sep-23	30	960	3902	23483	29760	79%	783	130
Oct-23	31	960	4060	23818	28800	83%	768	135
Nov-23	30	960	3655	21185	29760	71%	706	122
Dec-23	31	960	3814	22835	28800	79%	737	127
Jan-24	31	960	3952	22036	29760	74%	711	132
Feb-24	28	960	3801	22139	27840	80%	791	127
Mar-24	31	960	3741	22709	29760	76%	733	125

DEPARTMENT OF MEDICAL EDUCATION UNIT

Chairperson & Dean (Academics)

Prof (Dr.) Alok C. Agrawal

Member Secretary

Prof (Dr.) Amit Kumar Chowhan

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Dr. Sarita Ramchandani

Dr. Seema Shah

Dr. Chetan Anand

Dr. Amritava Ghosh

HIGHLIGHTS

Department of Medical Education Unit conducts Yearly Workshop for Faculty members of AIIMS, Raipur and last year we expanded the scope and made it a State Level Event with inclusion of Faculty Members as Participants from various Medical Colleges of Chhattisgarh.

Department of Medical Education Unit organizes a Short-Term Research Project for 2nd

Year MBBS Students every year. A total of ten projects are selected from proposals received from faculty members of various departments and 2nd Year Batch of MBBS Students are divided into ten batches and attached to each of the ten faculty under whom the students participate actively and learn how to conduct research. The research topics are subjected to scrutiny by research committee of MEU and Institute Ethics Committee. The projects are to be conducted in six months period. This

helps the MBBS Students understand the basics of research and they get to have a hands-on training on how to conduct research.

A simulation lab AIIMS Raipur was established in June 2022 at 2nd floor A Block, Hospital Building. Simulation lab is equipped with high fidelity Mannequins for the simulation based medical education of UGs, PGs, SRs and faculties.

EDUCATION

Various workshops and trainings were conducted throughout the year under 'Teaching the Teachers' and 'Training the Trainers' theme. Various departments like Physiology, Anesthesia, Pediatrics, Pediatric Emergency Medicine, and General surgery conducted Simulation based classes for the training of Nursing students, MBBS students, JRs, SRs, DM students and faculties, throughout the year.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Training of Trainers (ToTs)	HOCPR Training organized on 'Bone and Joint Day'	04.08.2023.	Nation of lifesavers: AHA-AIIMS, Raipur Community Under Department of MEU, AIIMS, Raipur
2.	'PowerPoint Presentation - Better to Best'	Workshop Conducted by Dr. Saravanan M, AIIMS Madurai and Dr. B.N.Vallish, Marksman Healthcare Communication	08.09.2023 & 09.09.2023	Organizing Secretary Dr. Manisha Sinha under Department of Medical Education Unit, AIIMS, Raipur
3.	6 th Teachers Training Workshop	State Level Workshop	25.09.2023 26.09.2023 27.09.2023	Department of Medical Education Unit, AIIMS, Raipur
4.	HOCPR training	HOCPR Training organized on 'World Heart Day'	29.09.2023.	Nation of lifesavers: AHA-AIIMS, Raipur Community Under Dept of MEU, AIIMS, Raipur
5.	Advanced Trainer Training on Simulation-based Education	Workshop Conducted by Prof. (Dr.) Dinkarpai, Director Medical Simulation Centre & Professor Department of Surgery MGMCRI Puducherry	30.11.2023.	Department of Medical Education Unit, AIIMS, Raipur
6.	HOCPR training	HOCPR Training for NCC Cadets	23.12.2023.	Nation of lifesavers: AHA-AIIMS Raipur Community Under Dept of MEU, AIIMS, Raipur

3-day MEU Program - 6th MEU Teachers Training Workshop organized on 25th, 26th & 27th September 2023 is as follows:

The 3-day event was attended by 39 participants which included faculty members from various departments and presentations were done by 21 resource faculty members.

Two-day MEU workshop on 'PPT: Better to Best' organized on 13th & 14th October 2023.

The 2 day event was attended by 28 participants which included faculty members and senior residents from various departments and presentations were done by 5 resource faculty members.

Activities at Simulation Lab, AIIMS, Raipur

The simulation lab AIIMS Raipur was established in June 2022 at, 2nd floor A Block.

Simulation lab is equipped with high fidelity Mannequins for the simulation based medical education of UGs, PGs, SRs and faculties. Following simulators are functional in this lab.

1. Adult male Computer based Mannequin-Apollo.
2. Pediatric Computer based Mannequin.
3. All-purpose care simulator.
4. Ultrasound Mannequin with transthoracic echocardiography and transesophageal echocardiography probes.

Various departments like Physiology, Anesthesia, Pediatrics, Pediatric Emergency Medicine, and General surgery conducted Simulation based classes for the training of MBBS students, Nursing students, JRs, SRs, DM students and faculties, throughout the year.

Workshop organized at Simulation lab: Advance Trainer Training on simulation-based education

The workshop, 'Advance trainer Training on simulation-based education" organized by Medical Education Unit at Simulation Lab on 30 November 2023. This workshop was focused on fundamental skills like planning and preparation of Scenarios along with hands on practice.

Nation of lifesavers: AHA-AIIMS Raipur Community HOCPR training program

A MOU has been signed between AIIMS Raipur and American Heart Association (AHA) for conducting the awareness programs on cardiovascular disease in the communities to build a nation of lifesavers. The AHA-AIIMS Raipur community Hands-Only Cardiopulmonary Resuscitation (HOCPR) training program is one of the activities under this MOU, with a goal of training 50,000 people in one year to create awareness about the importance of CPR in cases of Out of Hospital Cardiac Arrest.

Nation of lifesavers program has been planned under the guidance of Convener Dr T.S. Ravikumar, President AIIMS Mangalgiri, Co-convener Lt Ashok Jindal, Executive Director, AIIMS Raipur and AHA consultant Divay Trikha. This program is being implemented by program lead Dr. Jayshri R. Ghatge, In-charge Simulation Lab, AIIMS Raipur. A committee of twenty-six members from different department has been constituted under the leadership of Dr. Alok Chandra Agrawal, Dean (Academics) AIIMS Raipur for smooth functioning this program.

We have received 245 Mini Anne manikin as In-kind donation and monetary grant of US \$ 3500 (Rs 2,85,935.34/-) from AHA.

The launch of this program for training of trainers

(ToTs) of 109 participants was conducted on August 1, 2023.

HOCPR training was organized on 'Bone and Joint Day', 4th August 2023 with participation of 634 police personnel and security guards at AIIMS Raipur. In addition, HOCPR training was conducted at Maharani Hospital, Jagdalpur in association with Indian Orthopedic Association for 2006 participants including police personnel, nursing students, nursing staff and school students on Bone and Joint Day.

World Heart Day was celebrated on 29th September 2023 by conducting HOCPR training for 210 participants and organizing

online E-slogan, E-poster and video making competitions to spread the awareness regarding cardiovascular diseases. Fifty-one students from various medical and engineering colleges participated in this competition.

HOCPR training was also organized for 424 NCC cadets on 23rd December 2023.

Till date we have conducted training of total 6,300 participants including school students, college students of medical, nursing, engineering, science, arts, polytechnic fields, NCC cadets, security guards, police personnel, teaching, non-teaching staff, nursing officers and faculties.

Launch of AHA-AIIMS Raipur Community HOCPR Training program



स्वास्थ्य

एम्स और अमेरिकन हार्ट एसोसिएशन मिलकर देंगे एचओसीपीआर प्रशिक्षण

हार्ट अटैक से बचाने 50 हजार लोगों को प्रशिक्षण का लक्ष्य

नवभारत रिपोर्टर । रायपुर।

सार्वजनिक स्थानों पर अधिकांश सीने में तेज दर्द के साथ ही सांस लेने में परेशानी या चक्कर के साथ ही छापी आने के बाद हृदयघात से लगे लोगों को सही अस्पताल पहुंचाने से ही हो जाती है। इसी जल्दबाजी को रोकने के लिए अब अमेरिकन हार्ट एसोसिएशन और अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) ने साथ मिलकर संयुक्त रूप से प्रशिक्षण प्रदान करने का निर्णय लिया है। इसके लिए एचओसीपीआर पर हस्तक्षेप किए गए हैं। इस योजना के अंतर्गत एक वर्ष में 50 हजार से अधिक जनसंख्या नागरिकों को हैटम



अंगामी कार्डियोपल्मोनरी रिमसिटेशन (एचओसीपीआर) प्रशिक्षण प्रदान किया जाएगा। इससे मौके पर सही हृदयघात से पीड़ित लोगों को आवश्यक जीवन रक्षक उपचार प्रदान कर चिकित्सकों को मदद करेंगे। इसी साल फरवरी में एचओसीपीआर के बाद से अब तक राज्य पुलिस, पैरामेडिकल के जवानों, एम्स के मिक्सेटेरी राइडर्स, एनसीसी-एनएसएम के छात्र, एम्स में बरीज के परिचरों और अन्य स्टॉफ सहित लगभग 3 हजार 500 लोगों को प्रशिक्षण प्रदान किया जा चुका है। इसके लिए अधिष्ठाता, रीजनल प्रो.डॉ. आनंदकान्त अग्रवाल के निर्देशन में 26 सदस्यीय समिति गठित की गई है। प्रशिक्षण देने वाले को डिजिटल प्रमाणपत्र भी प्रदान किया जा रहा है।

प्रशिक्षण के लिए 245 मिनी एन मेडिकल-टेन में हृदयघात के रीजियों की बढ़ती संख्या को देखते हुए दोनों

संस्थानों ने संयुक्त रूप से कार्य करने का संकल्प व्यक्त किया है। इसके लिए एचओसीपीआर ने 245 मिनी एन मेडिकल प्रदान किए हैं। इनकी मदद से पुलिसकर्मी, अन्य शिक्षण संस्थानों के शिक्षकों और छात्रों, एनएसएम-एनसीसी स्वयंसेवकों अस्पताल स्टॉफ, राइडर्स आदि को हार्टअटैक की स्थिति में सही उपचार प्रदान करने का प्रशिक्षण प्रदान किया जाएगा।

परिचरों को सक्षम बनाकर एम्स रायपुर के कार्डियोलॉजी विभाग की अधिवक्ता प्रो.डॉ. जयश्री घाटे ने बताया कि हार्ट अटैक की स्थिति में यदि प्रारंभिक उपचार मरीज को मिले तो किसी भी व्यक्ति को जान बचाई जा सकती है। देश में 9.8 प्रतिशत प्रकरण में समय पर सही उपचार न करने से मृत्यु होती है। इस संदर्भ में जनसंख्या और प्रशिक्षण देने के लिए एम्स रायपुर ने यह परिचरों को प्रेरित किया है।

हरिभूमि

रायपुर - रायपुर भूमि
29 Nov 2023

हार्टअटैक की बढ़ती घटनाओं में जीवन रक्षक की भूमिका निभाएंगे 50 हजार स्वयंसेवक

राजधानी 29 नवंबर

अमेरिकन हार्ट एसोसिएशन के साथ एम्स देगा एचओसीपीआर की ट्रेनिंग


सार्वजनिक स्थानों पर हृदयघात से लगे लोगों को सही उपचार के लिए आवश्यक जीवन रक्षक की भूमिका निभाएंगे। अखिल भारतीय आयुर्विज्ञान संस्थान (एम्स) के चिकित्सक अतीव प्रमुख डॉ. आनंदकान्त अग्रवाल के निर्देशन में एचओसीपीआर की ट्रेनिंग देना शुरू करने का निर्णय लिया है। इस योजना के अंतर्गत एक वर्ष में 50 हजार से अधिक जनसंख्या नागरिकों को हैटम



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 **National Cadet Corps** @HQ_DG_NCC · 1d
Our 375 cadets learnt an irrefutably essential and life saving skill of **CPR** and first aid in **AIIMS, Raipur**, in the presence of the Dean, **AIIMS**, Dr Alok Agarwal. These skills are essential in times of calamities and extending a helping hand to anyone in need anytime
[#belimitless pic.twitter.com/51zhim9EhS](https://pic.twitter.com/51zhim9EhS)

COLLEGE OF NURSING

NAME OF FACULTY & DESIGNATION

1	Dr. Binu Mathew	Professor Cum Principal
2	Dr. J. Jeayareka	Assistant Professor
3	Mrs. Vahitha S.	Lecturer in Nursing
4	Mrs. Veena Verma	Lecturer in Nursing
5	Mrs. Joyce Joseph	Lecturer in Nursing
6	Mrs. Suganya P.	Lecturer in Nursing
7	Mrs. Chetna Sahu	Tutor/ C.I.
8	Mrs. Chandramani	Tutor/ C.I.
9	Mr. Rajendar Singh	Tutor/ C.I.
10	Mrs. Suman Shinde	Tutor/ C.I.
11	Mrs. Chitreka Sippy	Tutor/ C.I.
12	Mrs. Bagavathi.R	Tutor/ C.I.
13	Mr. P.D. Deepak	Tutor/ C.I.
14	Mrs. Seema Maheswari. A	Tutor/ C.I.
15	Mr. Harish Kumar	Tutor/ C.I.
16	Mr. Prem Chander	Tutor/ C.I.
17	Mrs. Rohisha I. K.	Tutor/ C.I.
18	Ms. Ritika Rocque	Tutor/ C.I.
19	Mrs. Renu Rekha Korkora	Tutor/ C.I.
20	Ms. Annamreddi Leelavati	Tutor/ C.I.
21	Mrs. Nirupam Nisha Sahu	Tutor/ C.I.
22	Ms. Jissa Donel	Tutor/ C.I.
23	Ms. Chhameshwari Verma	Tutor/ C.I.
24	Dr. Solomon James M	Tutor/ C.I.
25	Mr. Jayavel	Tutor/ C.I.
26	Dr. Hitesh Choudhary	Tutor/ C.I.
27	Mr. Abdul Munaf Mujawr	Tutor/ C.I.

HIGHLIGHTS

Department of Medical Surgical Nursing

❖ World Glaucoma Week observation

World Glaucoma Week was observed by College of Nursing in collaboration with Department of Ophthalmology AIIMS Raipur from March 10 to 16 March 2024. The theme for this year was "Uniting for a Glaucoma-Free World. Let's join forces in raising awareness on Glaucoma. On this occasion, Patient Education Exhibition on the theme "Uniting for a Glaucoma-Free World. Let's join forces in raising awareness on Glaucoma" was made by the students of B.Sc. (Hons) Nursing 3rd year under the guidance of faculties of Department of Medical Surgical Nursing, College of Nursing, AIIMS RAIPUR. The exhibition covered in depth what is glaucoma, its causes, signs and symptoms, Complications and ways to prevent them. Patients & their care takers were also taught about Eye drop instillation techniques, and emphasis was given about proper follow-up and regular eye check up .

❖ World COPD Day

World COPD Day (15.11.23) - "Breathing is Life - Act Earlier" was observed by Department of Medical Surgical Nursing of College of Nursing in collaboration with Pulmonary Medicine Department of AIIMS Raipur, on 15.11.2023. Students actively took part in Mega screening camp which was conducted for security personals and for general public. Screening camp included measuring height, weight, BP, RBS and asking for history such as diabetes, hypertension or TB from the people.

❖ World Kidney Day

World Kidney Day observation (14.03.2024) World kidney day was organized by department of Medical surgical nursing of college of nursing in collaboration with Nephrology department of AIIMS Raipur, on 14.03.2024. A Poster Competition was conducted on the theme of Kidney Health for all- advancing Equitable Access to care & Optimal

Medication Practice" at 10:30 am to develop awareness of kidney disease among general population by student nurses & patient education exhibition.

❖ Neuro Nurses Scientific Program

Neuro Nurses Scientific Program under 12th Annual Conference of Neurosurgical Surgeons Society of India organized by in collaboration with Department of Neurosurgery, AIIMS Raipur, Chhattisgarh Association Of Neuroscientists and College of Nursing, AIIMS RAIPUR From 24th February 2024.

Department of Child Health Nursing

❖ World Breastfeeding Week Celebration (1-7 August 2023)

State Centre of Excellence for Nutrition Interventions, Department of Pediatrics, along with Child Health Nursing department, College of Nursing, AIIMS, Raipur celebrated World Breastfeeding Week from 1st to 7th August 2023. Various programs like, health talk on AIR Radio, group counseling in district hospital, ANC OPD, PNC ward, Pediatric OPD and immunization room, lecture for nursing students, and health talk with staff of Bharat Mata School were organized. The theme was "Enabling breastfeeding: making a difference for working parents." Faculty from the College of Nursing and B.Sc (Nursing) students actively participated in the event.

❖ Newborn Week Celebration (20.11.2023)

3rd year B.Sc (Hons) Nursing students organized health talk on newborn care in Pediatric OPD, OBG OPD and postnatal wards on 20.11.2023.

Department of Mental Health Nursing

❖ International World Mental Health Day observation (10/10/2023)

On October 10, 2023, College of Nursing, AIIMS,

Raipur celebrated International World Mental Health Day.

❖ **International Day for the Elimination of Violence against Women (25.11.2023)**

On November 25, 2023, AIIMS Raipur celebrated the International Day for the Elimination of Violence against Women.

❖ **Community Mental Health program (14.01.24)**

A community mental health program on the topic of "Child Abuse and Neglect" was conducted in the urban area of Khokhopara, Raipur. First-year M.Sc. (Nursing) students actively participated in the program, engaging with the community to raise awareness and address issues related to child welfare and protection..

❖ **School Mental Health program (22.01.24)**

A School Mental Health program was organized at the Government Higher Secondary School, Guma, Raipur. First-year M.Sc. (Nursing) students conducted the counselling sessions focused on "Stress and Coping Strategies," aiming to equip them with tools to manage stress effectively.

Department of Obstetrics & Gynecology Nursing

❖ **National Girl Child Awareness**

National Girl Child Awareness Programme was organized on 24.01.2023 by Department of Obstetrics and Gynecology Nursing, College of Nursing, AIIMS Raipur. On this occasion Nukkad Natak and Poster competition was organized by B.Sc. (Hons.) Nursing 3rd year Students.

❖ **National Safe Motherhood Day**

National Safe Motherhood Day programme was organized on 12.04.2024 by B.Sc. (Hons) Nursing 3rd year students in the Hospital Block at Gyne OPD, Health Education and Role Play was conducted to depict the importance of safe motherhood.

❖ Scheduled health Education in ANC OPD at Hospital was delivered every day at 11: 30 am by B.Sc. (Hons) Nursing 3rd year Students on the general topics such as Antenatal care and exercise, antenatal nutrition, antenatal immunization, breast care, importance of safe delivery, new born care & immunization, episiotomy care, prevention of PPH, Post natal care & exercises etc.

❖ Regular Simulation Classes on Normal Labour conduction, episiotomy suturing, vaginal examination and neonatal resuscitation for all B.Sc. (Hons) Nursing 3rd year students at Simulation lab in Hospital Block.

❖ Breast Feeding Week 1st August to 7th August 2023, during this week breast feeding techniques were demonstrated and health Education was delivered at ANC OPD, PNC and Labour Room (Hospital block) by B.Sc. (Hons) Nursing 3rd year students under the guidance of Nursing Faculty College of Nursing

Department of Community Health Nursing

❖ **20th April 2023, National Webinar on The Role of Nurses in the Global Fight against NCD:** In collaboration with ECHO India, the Chhattisgarh Nursing Registration Council and the Department of Community Health Nursing, College of Nursing, AIIMS Raipur hosted a National Webinar on "The Role of Nurses in the Global Fight Against NCD."

❖ **30th November 2023, World Day of Remembrance for Road Traffic Victims:** On the occasion of World Day of Remembrance for Road Traffic Victims, An Awareness programme on the theme "Remember, Support, Act" for school children was organized by Department of Community Health Nursing, College of Nursing, AIIMS Raipur in which Sessions on the following topics were conducted by the experts:1) Traffic rules and safety measures.

❖ **14th Dec 2023. Old age home visit:** Students of 4th year B.Sc (Hons) Nursing under the guidance of Nursing Faculties of Dept. of Community Health Nursing Conducted general health check up and various recreational activities for the residents of Badhate Kadam, Oladage home in Shankar Nagar Raipur.

❖ **24.01.24 & 30.01.24, School Health Programme:** Department of Community Health Nursing, College of Nursing, AIIMS Raipur conducted a School Health programme at Govt Higher Secondary School GUMA, in which Sessions on the following topics were conducted by the experts: 1) Routine Health check up including (Height, weight, Oral examination, Eye & Ear examination, Hb estimation and MMSE). 2) Blood grouping was done in collaboration with CHC Dharsiwa. 3) HOCPR training.

❖ **15th - 20th January 2024 & 18th -23rd March, 2024:** Students of 4th year and 2nd year B.Sc (Hons) Nursing under the guidance of Nursing Faculties of Dept. of Community Health Nursing organized various group health education activities for Residents of Guma and Urban Slum in Khokopara

- * Personal Hygiene & Immunization - Beneficiaries of Anganwadi, Khokopara
- * Communicable Diseases- Attendees of Urban Health Centre,
- * Non-Communicable Diseases- Residents of Urban Slum in Khokopara

* Substance abuse- Residents of Urban Slum in Khokopara

* School awareness programme on personal hygiene, healthy habits and prevention & management of mobile addiction.

* Importance of Regular health check up- Residents of Urban Slum in Khokopara

These programmes helped in creating awareness on the important health issues among community people and also in providing a learning experience to the nursing students.

❖ **8th-16th March 2024. Under the Swachhata Pakhwada,** All the Students of B.Sc (Hons) Nursing, actively participated and organized various competitions like Rangoli, E-poster, Essay writing and Painting competition, and Nukkad Natak on General awareness regarding Swachhata.

EDUCATION

❖ A poster presentation was held on April 15, 2024, for first-year M.Sc (Nursing) and B.Sc (Hons) Nursing first-year students, covering topics in psychology and psychiatry.

❖ M.Sc (Nursing) students visited the Juvenile Delinquent home in Mana, Raipur, on January 25, 2024.

❖ Blood Bank visit- B.Sc. (Hons) Nursing 2nd year 2021 batch visited blood bank to learn about the procedures done at blood bank on 24th August 2023 which was followed by Lectures taken by experts from blood bank on 25th August 2023.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

	Title	CME/Conference	Date	Organized By
1.	Medical Education Conference (MEDUCON 2023)	Conference	28.09.2023 & 30.09.2023	JIPMER, Ponduchery
2.	Qualitative Research Designs & Analysis	National workshop and Hands on training	01.02.2023 to 02.02.23	College of Nursing, AIIMS, Raipur
3.	Neuro Nurses Scientific Program (12 th annual conference of NSSICON)	National Workshop	23-02-2023 to 25-02-2023	MSN Dept. College of nursing , AIIMS Raipur in collaboration with Neurological surgeons society of India
4.	Mixed Method Research	National conference	02.11.2023 & 03.11.2023	Nursing Research Society of India (NRSI)
5.	Exploring the benefits of breast milk & breast feeding	International Webinar	07.11.2023	Amref International University, The global health Network & Lectahub - A resource for Evidence based Breast Feeding Intellegence.
6.	The role of nurses in the global fight against NCD	National Webinar	26.04.2023	ECHO India, CGNRC & AIIMS Raipur
7.	AHA-AIIMS Raipur Community HOCPR PROGRAMME	WORLD HEART DAY Programme	29.09.2023	AIIMS Raipur
8.	World kidney day- "Kidney Health for all- advancing Equitable Access to care & Optimal Medication Practice"	Day observation events	14.03.2024	Department of nephrology, college of nursing, AIIMS Raipur
9.	NTEP TUBERCULOSIS SYMPOSIUM	SYMPOSIUM	30.03.2024	PULMONARY DEPRTMENT, AIIMS Raipur
10.	Bridging gaps : Expanding access to cancer care in India	WEBINAR SERIES FOR HEALTH CARE PROFESSIONALS	16.04.2024	ECHO INDIA

11.	LactaWebinar on breastfeeding challenges for working mothers and their families in different workplace settings	International Webinar	03.08.2023	Amref International University, The global health Network & Lactahub - A resource for Evidence based Breast Feeding Intellegence.
12.	Mixed method research in Yoga	National Workshop	02.03.2024	Department of Yoga & Naturopathy, AIIMS, Raipur
13.	Mixed Method Research: Explore, Expedite and Envisage	National Conference	02.11.2023 & 03.11.2023	Nursing Research Society of India
14.	Sampling Technique	Post-conference workshop National Conference	04.11.2023	Nursing Research Society of India
15.	National Conference on Clinical Nursing Research: Collaborative excellence	National Conference	25.10.2023	College of Nursing, AIIMS Delhi & CNRS North Zone.
16.	Innovation & Advancement in Pediatric Nursing Care: "A way to Quality Care"	National Workshop	23.01.2024	Government College of Nursing, Raipur
17.	Review of Literature	Webinar	13.02.2024	Pushpagiri College of Nursing, Thiruvalla
18.	TOT Infant and Young Child Feeding	ToT	17.01.2024 to 19.01.2024	SCoE4N, AIIMS, Raipur
19.	IYCN (Infant And Young Child Nutrition) Counseling	Initiate dedicated IYCN Counseling at AIIMS & District Hospitals using Hands on skills	12.06.2023 to 14.06.2023	SCoE4N (AIIMS Raipur) collaborated with BPNI Maharashtra Supported by UNICEF RAIPUR
20.	Research method and methodology	International Workshop	17.10.2023 to 21.10.2023	Eudoxia research university, USA
21.	Breast feeding challenges for working mothers and their families In different Workplace settings	Lacta webinar		Lactahub, The global health network
22.	International Day Against Drug Abuse and Illicit Trafficking	CNE	26.06.2023	College of Nursing, AIIMS, Raipur

23.	Psychological management of victim and family-case based discussion	7 th CNE National Workshop on Current trends in Forensic Nursing & Toxicology	20.09.2024 to 22.09.2024	College of Nursing, JIPMER, Pondicherry, India
24.	Nursing perspectives on achieving SDGs for persons with disabilities"	"International Day of People with Disabilities (IDPwD)"	13.12.2023	Chitkara University College of Nursing, Himachal Pradesh
25.	"Fostering Emotional Resilience: Insights and Strategies for teachers"	Faculty development programme	27.12.2023	Shree Niketan Matric campus, Tamilnadu
26.	Adjudicator for the session on "Mixed method research"	6 th Research conference on "Health equity-nursing and research perspectives"	21.02.2024 to 23.02.2024	International center for research in public health
27.	Judge for the E-Poster	6 th Research conference on "Health equity-nursing and research perspectives"	21.02.2024 to 23.02.2024	International center for research in public health
28.	International Day for The Elimination of Violence Against Women	CNE	25.11.2023	College of Nursing, AIIMS, Raipur
29.	Challenges in Management of Behavioural Addictions and Substance Use Disorder in Nursing Practice	Virtual Conference	02.10.2023 to 03.10.2023	LGBRIMH, IHBAS, AZINA, USA and ABD & SUD-CARE Group, India
30.	Faculty Development Programme using VOS viewer & NVIVO Software	National-level Faculty Development Programme	09.01.2024 to 13.01.2024	Sri Krishna Arts and Science College, Coimbatore, Tamilnadu
31.	Current Trends in Nursing	CNE	24.08.2023	Society of Cardiac Nurses, India
32.	Building Competencies and skills for Global Careers in Nursing	International Conference	24.11.2023	College of Nursing, AIIMS Delhi and Queen's University Belfast

33.	Sparking the Health Renaissance: Empowering Community through Comprehensive Primary Health Care under Ayushman Bharat	CNE	31.08.2023	PES College of Nursing, Kuppam, Andhra Pradesh
34.	SPSS: A Comprehensive Advanced Practice	e-workshop	06.12.2023	Med Analytics, India
35.	Recent Trends & techniques of Research Methodology in Social Science	National workshop	07.12.2023 to 09.12.2023	Govt. Kamla Devi Rathi Girls P.G. College, Rajnandgaon (C.G.)
36.	Basic Data Analysis and its Interpretation using SPSS-for Beginners	Virtual workshop	18.09.2023 to 22.09.2023	Primax Edu Academy, Bengaluru, Karnataka
37.	Capacity building of midwifery faculty- (Module 2)	Training on Skill standardization and Simulation training	28.03.2023 to 01.04.2023	Indian nursing council AND UNFPA at Gurugram, SGT National reference center
38.	International workshop on research method and methodology	International workshop	17.10.2023 to 21.10.2023	Eudoxia research university, ERU-USA
39.	International conference on patient safety awareness	International conference	02.06.2023	TNAI Pondicherry

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Faculty Name	Title	CME/Conference	Date	Organized By
1.	Dr. Binu Mathew	Effective Professional Development for Nurse Educators	Conference	28.09.2023 & 30.09.2023	JIPMER, Ponduchery
		Researches on Addictions Nursing	Short Term Training Course	26.04.2024	College of Nursing , AIIMS Kalyani

2.	Dr. J. Jeayareka	Psychological management of victim and family-case based discussion	7 th CNE National Workshop on Current trends in Forensic Nursing & Toxicology	20.09.2024 to 22.09.2024	College of Nursing, JIPMER, Pondicherry, India
		Nursing perspectives on achieving SDGs for persons with disabilities"	"International Day of People with Disabilities (IDPwD)"	13.12.2023	Chitkara University College of Nursing, Himachal Pradesh
		Fostering Emotional Resilience: Insights and Strategies for teachers	Faculty development programme	27.12.2023	Shree Niketan Matric campus, Tamilnadu
		Adjudicator for the session on "Mixed method research"	6 th Research conference on "Health equity-nursing and research perspectives"	21.02.2024 to 23.02.2024	International center for research in public health
		Judge for the E-Poster	6 th Research conference on "Health equity-nursing and research perspectives"	21.02.2024 to 23.02.2024	International center for research in public health
3.	Mr. P D Deepak (Nursing Tutor)	Primary Survey of Road Traffic Accident Patients	Neuro Nurses Scientific Program (12 th annual conference of NSSICON)	24.02.2024	MSN Dept. College of nursing, AIIMS Raipur in collaboration with Neurological surgeons society of India
4.	Mrs. Suman Shinde (Nursing Tutor)	Secondary Survey of Road Traffic Accident Patients	Neuro Nurses Scientific Program (12 th annual conference of NSSICON)	24.02.2024	MSN Dept. College of nursing, AIIMS Raipur in collaboration with Neurological surgeons society of India

5.	Dr. Solomon James (Nursing Tutor)	Nursing Care of Neuro surgery patients on ventilator	Neuro Nurses Scientific Program (12 th annual conference of NSSICON)	24.02.2024	MSN Dept. College of nursing, AIIMS Raipur in collaboration with Neurological surgeons society of India
6.	Mr. Rajendar Singh	Management of patient with spinal cord injury	Neuro Nurses Scientific Program (12 th annual conference of NSSICON)	24.02.2024	MSN Dept. College of nursing, AIIMS Raipur in collaboration with Neurological surgeons society of India
7.	Mrs. Joyce Joseph, Lecturer	Innovation & Advancement in Pediatric Nursing Care: "A way to Quality Care"	National Workshop	23.01.2024	Government College of Nursing, Raipur
8.	Mrs. Chetna Sahu	<ul style="list-style-type: none"> Breastfeeding- Positions and attachment Kangaroo Mother Care Nurses 	A Three-day TOT on IYCF for Lactation counselor &	17.01.2024 to 19.01.2024	State Center of Excellence for Nutrition Intervention, Department of Pediatrics AIIMS Raipur and Supported by UNICEF C.G.
		<ul style="list-style-type: none"> Breastfeeding- Positions and attachment Kangaroo Mother Care 	Lecture series on Management of SAM children, Management of anemia and IYCF for Final Year Nursing Students	06.04.2024	State Center of Excellence for Nutrition Intervention, Department of Pediatrics AIIMS Raipur
9.	Mrs. Chandramani Sahu	Current Trends in Nursing, professionalism	CNE	30.01.2024	C.M. Nursing Institute Durg
10.	Mrs. Vahitha S	Current trends in Forensic Nursing and Toxicology	National Workshop	20.09.2023 to 22.09.2023	JIPMER, Puducherry
		FOGSI Perinatology conclave 2024	Workshop on Nurses education program		JIPMER, Puducherry

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr.Veena Verma	Cross sectional study to assess the job satisfaction & motivation among nursing officers of AIIMS Raipur	27 th annual National conference of NRSI	02.11.2023 - 03.11.2023	Nursing Research Society of India (NRSI)
2.	Mrs. Joyce Joseph	Effectiveness of foot reflexology in migraine headache attacks among female nursing students with migraine.	National Conference on Mixed Method Research: Explore, Expedite and Envisage	02.11.2023 to 03.11.2023	NRSI

Departmental Projects - Non-Funded Projects/ ICMR-STS Projects/ Thesis/Dissertations**Ongoing**

S.No.	Name	Project
1.	Dr. Binu Mathew Mrs. Joyce Joseph	Lived experiences of family member of individuals with schizophrenia in a tertiary care centre.
2.	Dr. Binu Mathew Mrs. Suganya P	A Cross-sectional study to assess the Compulsive buying behavior and Anxiety among working women at AIIMS Raipur.
3.	Dr. Binu Mathew Mrs. Chithreka Sippy	A qualitative study on barrier and facilitators for drug adherence among patient with psychiatric illness
4.	Dr. Binu Mathew Mrs. Vahitha S	A cross sectional study to assess the impact of perceived parental acceptance rejection on self esteem of adolescents residing in Raipur
5.	Dr. Binu Mathew Mrs. Joyce Joseph	Lived experiences of family member of individuals with schizophrenia in a tertiary care centre.
6.	Dr. Binu Mathew Mr. P.D. Deepak	Assessment of Professional quality of life in terms of compassion satisfaction and compassion fatigue among nurses of AIIMS Raipur Chhattisgarh.
7.	Dr. Veena Verma Mr. Rajendar Singh	A cross sectional descriptive study to assess the knowledge and practice of FAST HUG BID among Intensive care unit Nursing Officers of AIIMS Raipur

8.	Dr. J. Jeayareka	A mixed method to assess moral development of girls and perceived parenting Style of parents and girls (8-11 years age) at selected setting in Raipur. 2022 to 2024
9.	Mrs. Joyce Joseph Mrs. Suganya P	Barriers for implementing nursing theory based practices in the clinical setting among nursing personnel's at AIIMS Raipur: A mixed method study.
10.	Mrs. Joyce Joseph Mrs. Chetna Sahu	A study on Knowledge, attitude, and utilization of Nursing Theories among Nursing Personnel
11.	Mrs. Joyce Joseph Mrs. Suganya P	A study on self-efficacy of Adolescents with Sickle Cell Disease
12.	Mr. Jayavel M	Effectiveness of lactation counseling on newborn feeding behavior among primigravida mothers admitted in postnatal ward of AIIMS, Raipur.
13.	Mrs. Chhameshwari Verma	Effectiveness of selected interventions on knowledge and practice regarding prevention of Metabolic syndrome among adolescents with risk of Metabolic syndrome in selected schools of Raipur Chhattisgarh
14.	Dr Nirupam Nisha Sahu	Effectiveness of lactation counseling on newborn feeding behavior among primigravida mothers admitted in postnatal ward of AIIMS, Raipur.
15.	Dr. J. Jeayareka Mrs. Chithreka Sippy	A mixed method study to assess moral development of girls and perceived parenting style of parents and girls (8-11 years age) at selected setting in Raipur
16.	Dr. J. Jeayareka Mr. Prem Chander	Effectiveness of mindfulness based relapse prevention on the smoking behavior among adults in selected colleges at Raipur, Chhattisgarh
17.	Mrs. Suganya P Mrs. Chithreka Sippy	A cross sectional study to assess the level of socio physique anxiety and self esteem among undergraduate students in AIIMS Raipur
18.	Mrs. Joyce Joseph Mrs. Suganya P	Barriers for implementing nursing theory based practices in the clinical setting among nursing personnel's at AIIMS Raipur: A mixed method study.
19.	Mrs. Vahitha S	Identify the determinants and evaluate the effectiveness of self-practicing strategies on PCOS. (PhD Study)
20.	Mrs. Vahitha S	Assessment of attitude, psychological and climacteric symptoms related to menopause.
21.	Mrs. Vahitha S	Quality of life on PCOS women attending PCOS clinic.
22.	Mrs. Bagavathi R	Effectiveness of IEC package on knowledge and practice of life style modification regarding gestational diabetes mellitus among antenatal mothers in ANC OPD, AIIMS Raipur.

23.	Mrs. Rohisha I K	Assessment of maternal factors related to congenital anomalies
24.	Mrs. Ritika Rocque Mr. Abdulmunaf Mujwar	Effectiveness of parenting education programme on knowledge regarding the impact of excessive screen time on child health and behaviour among parents of children of 1-13 years of age at AIIMS Raipur
25.	Mrs. Rohisha I K Mr. Harish Kumar	Assessment of fear of child birth and its associated factors among antenatal mothers attending OPD's of selected tertiary hospitals of Raipur District.
26.	Mr. P D Deepak	A study to assess the professional quality of life in terms of compassion satisfaction and compassion fatigue among nurses in a tertiary care hospital in Raipur, Chhatisgarh
27.	Dr. Solomon James	Effectiveness of Information Education Communication (IEC) package on Knowledge and practice of Lifestyle modifications regarding gestational Diabetes mellitus among Antenatal mothers visiting ANC OPD AIIMS Raipur - Coguide
28.	Mrs. A Leelavathi	Assessment of fear of child birth and its associated factors among antenatal mothers attending Antenatal OPD of selected tertiary hospitals of Raipur District.

Completed

S.No.	Name	Project
1.	Dr. J. Jeayareka	Depression and quality of life among patients with chronic renal failure in all India institutes of medical sciences ,Raipur.2021 to 2023
2.	Dr. Veena Verma Mrs. Suman Shinde	A study to assess the patients attendants satisfaction of patient care in critical care areas of AIIMS, Raipur
3.	Dr. Veena Verma Mr. Prem Chandar	Cross sectional study to assess the job satisfaction & motivation among nursing officers of AIIMS Raipur
4.	Mrs. Chetna Sahu	Effectiveness of awareness program on knowledge and prevention of Hand foot and Mouth disease among parents of under-five children in selected area of Raipur
5.	Mrs. Chhameshwari Verma	A comparative study to assess the adaptive behavior among typically developing children and children with disability at selected settings of Raipur
6.	Mrs. Joyce Joseph	Knowledge and attitude towards Human Papilloma Virus vaccination
7.	Mrs. Suganya P Mrs. Chithreka Sippy	A study to assess the Dietary habits and Mental health among undergraduate students (>18 years) at selected colleges in Raipur
8.	Mrs. Vahitha S Mr. Prem Chander	Assess the emotional intelligence among newly joined nursing officers working in AIIMS, Raipur

9.	Mrs. Vahitha S	Assessment of emotional intelligence among newly joined nursing officers working in AIIMS, Raipur.
10.	Mrs. Vahitha S	Assessment of prevalence and level of knowledge of PCOS among Nursing College students at AIIMS Raipur
11.	Mrs. Bagavathi R	Cross sectional study to assess the knowledge attitude and practice regarding prevention of COVID-19 cross infection among nursing students of selected nursing colleges of India.
12.	Mr. P D Deepak	Depression and quality of life among patients with chronic renal failure in All India Institute of Medical Sciences Raipur. To assess the risk of fall among the elderly patients admitted in a tertiary care hospital Raipur, Chhattisgarh
13.	Dr. Solomon James	Awareness, Utilization and perceived barriers in adoption of family planning methods among women of reproductive age group in selected OPD's of AIIMS Raipur- Guide

Collaborative Projects

Ongoing

S. No.	Faculty Name	Project	Collaborating Department/Institution
1	Mr. Prem Chander	Effectiveness of nursing interventional package on quality of life of persons with paranoid schizophrenia	Ph.D Project Under Indira Gandhi National Open University (IGNOU)

Completed

S. No.	Faculty Name	Project	Collaborating Department/Institution
1	Dr. Veena Verma	Assessment of efficacy of Glycerin-Paraffin combination in comparison to Mustard oil on skin related quality of life among CKD patients with Uremic xerosis & CKD associated pruritus (CKD-ap).	Ph.D Project Under Dutta meghe institute of medical sciences University, Wardha, (MH)

PUBLICATIONS

Dr. Binu Mathew

1. Rohisha IK, Donel Jissa, Jibin M, Mathew Binu stressors and coping strategies among frontline nurses during COVID-19 pandemic *Journal of education and health promotion - Wolter Kluwer Medknow* 2023;
2. Vahitha S, Binu M & Geetha C, Assessment of prevalence and level of knowledge of PCOS among Nursing College students, *Int J Cre Res Thou*, Volume 11, Issue 11, Nov 2023, ISSN:2320-2882.
3. Jayavel M, Mathew Binu, Bhakar Pooja, (2023) Assess the knowledge and practice regarding prevention of Covid-19 infection among parents of 10 years children. *International Journal of Nursing Education and Research* 11 (1)-70-74.
4. Jissa donel, Binu Mathew, Bagavathi R Case reports - Congenital Absence of Cervix with Atrial Septal Defect In An Adolescent Girl, *International Journal of Anatomy and Research*, Vol 12(1)-2024
5. Jissa Donel, Rohisha I.K., Jibin M. And Binu Mathew, Psychological impact of Covid-19 pandemic on frontline nurses: A survey among nursing in a tertiary care hospital, central India, *International Journal of Recent Advances in Multidisciplinary Research*, 10(8): August 2023
6. Annamreddi Leelavathi, Komala Sesa Kumar, Binu Mathew, National Health Policy 2017- Review in the context of Nursing Services and practice, *International Journal of Advances in Nursing Management*, 11(4): October December 2023.

Dr. J. Jeayareka

- Published a news paper article in patrika, in Hindi and English on effectiveness of virtual reality therapy on children anxiety

and stress for creating public awareness, on 10th may 2024.

Dr. Veena Verma

1. Verma V, Lamture Y, Ankar R. Management of Uremic Xerosis and Chronic Kidney Disease (CKD)-Associated Pruritus (CKD-ap) With Topical Preparations: A Systematic Review and Implications in the Indian Context. *Cureus*. 2023 Jul 27; 15(7): e42587. doi: 10.7759/cureus.42587. PMID: 37641756; PMCID: PMC10460473.
2. Verma, V., Yeola, M. and Ankar, R. (2021) "Topical Application of Glycerine - Paraffin Combination in CKD-associated Pruritus and Uremic Xerosis: Study Protocol for a Randomized Control Trial", *Journal of Pharmaceutical Research International*, 33(38B), pp. 234-241. doi: 10.9734/jpri/2Q1

Mrs. Joyce Joseph

1. Joseph J. Innovative Teaching and Learning Techniques in Nursing. *Asian Journal of Nursing Education and Research*. 13(2) April-June 2023, 119-122

Mr. Jayavel M

1. Jayavel M, Mathew Binu, Bhakar Pooja, (2023) Assess the knowledge and practice regarding prevention of Covid-19 infection among parents of 10 years children. *International Journal of Nursing Education and Research* 11 (1)-70-74.

Dr. Nirupam Nisha Sahu

1. Sahu, N.N., Vagha, J., & Gawai, J. (2021). Efficacy of Modified Betty Neuman Nursing Theory to Develop Evidence-Based Pandemic Care Pathway for Preadolescents in the School. *Journal of Pharmaceutical Research International*.
2. Sahu N N (N/A) Disaster effect among preadolescence along with a search for evidence based preventive approach: - A systematic review. *Cureus* (); e. doi: 10.7759/cureus.

- Sahu N N, Gawai J (June 30, 2023) A Dress Rehearsal for Assessment of Potency of Primordial Prevention for Reduction of Pandemic Stress Among Preadolescents. *Cureus* 15(6): e41173. doi:10.7759/cureus.41173

Mrs. Seema Maheshwari

- Effectiveness of distraction technique on pain perception during venipuncture among 1-5 years Of children, *International journal of current research*, Oct 2023

Mrs.Suganya P

- Ramasamy S, Franklin J, Govindharaj P, Panneerselvam S. The effect of 8-week warm-ups, static and dynamic stretching of hip flexors on flexibility, agility, and dynamic balance in junior field hockey players: a randomized controlled trial. *Bulletin of Faculty of Physical Therapy*. 2023 Dec 20;28(1):53.

Mrs. Vahitha S

- Vahitha S, Binu M & Geetha C, Assessment of prevalence and level of knowledge of PCOS among Nursing College students, *Int J Cre Res Thou*, Volume 11, Issue 11, Nov 2023, ISSN:2320-2882.
- Tamil selvi C, Kumari M J, Vahitha S, Kubera N S, Effectiveness of video assisted teaching on prevention of constipation among postpartum women admitted in postnatal ward at a tertiary care hospital: a randomized controlled trail, *BMJ Nutrition, Prevention & Health*, doi: 10.1136/bmjnp-2022-000605.
- Sathya R, Vahitha S & Dr Yavana Surya J, Effect of nursing intervention on anxiety during labour among primigravida mothers in JIPMER Puducherry: Randomised controlled trial, *Int Jour Cli Obs&Gyn*, volume 7, Issue 2, ISSN: 2522-6622,

Mrs. Bahavathi R

- Bagavathi R et.al, "Effectiveness of Structured Teaching Programme (STP) on knowledge Regarding Selected Minor Ailments of Newborn among Primipara Mothers, *Journal of Perinatal, Pediatric and Neonatal Nursing*, Volume-3, Issue-2-2022
- Bagavathi R et.al, cross sectional study to assess the stress and coping strategies among Nurses and Midwives during Assisted Vaginal Delivery in Pregnant Women with Covid-19: *Journal of public health and primary care*, Wolters Kluwer volume-5 issue-2-2024

Mrs. Jissa Donel

- Jissa donel, Binu Mathew, Bagavathi R Case reports - Congenital Absence of Cervix with Atrial Septal Defect In An Adolescent Girl, *International Journal of Anatomy and Research*, Vol 12(1)-2024

Mrs Rohisha IK

- Rohisha IK, Donel Jissa, Jibin M, Mathew Binu stressors and coping strategies among frontline nurses during COVID-19 pandemic *Journal of education and health promotion* - Wolter Kluwer Medknow 2023;

Mrs. A Leelavathi

- Annamreddi Leelavathi (2024). Balancing Compassion and Responsibility: Ethical Imperatives in Pediatric Caregiving, *International Journal of Neonatal Care and Pediatric Nursing*, 5(1), 31-36
- Annamreddi Leelavathi, Komala Sessa Kumar, Binu Mathew. National Health Policy 2017 - Review in the context of Nursing Services and Practice, *International Journal of Advances in Nursing Management*. 11(4): October-December 2023

Chapter(s) in Books

S. No.	Faculty Name	Author (s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1	Mrs. Joyce Joseph	Suresh Sharma, Tanuj Kanchan	Unit 1: Forensic Science	-	Hand book of Forensic Nursing	1	New Delhi	Elsevier	2023	-
2	Mrs. Chetna Sahu	M Amala Seeli	Chapter-13 Nutrition Across the Lifecycle	-	Applied Nutrition and Dietetics	1 st	Gwalior	Navi Publication	2023	149-174
3	Mrs. VahithaS,	VahithaS,		-	Handbook of PCOS and its significance	1 st	Chennai, Tamilnadu	Jaypee brothers	2024	1 to 230

AWARDS, HONOURS AND SIGNIFICANT EVENTS**Dr. J. Jeayareka**

- Received an award for "Academic excellence and outstanding contribution to Research June-2023" from Omayal Achi college of nursing along with the International center for collaborative research in public health.
- Received a certificate of excellence in reviewing from Asian journal of nursing, in recognition of an outstanding contribution to the quality of journal.
- Judge for the E-Poster during the 6th Research conference on "Health equity-nursing and research perspectives" on 23/02/2024 organized by the International center for research in public health, Tamilnadu.

- Adjudicator for the session on "Mixed method research" during the 6th Research conference on "Health equity-nursing and research perspectives" on 22/02/2024 organized by International center for research in public health.

Dr. Veena Verma

- Awarded Doctorate degree (PhD in Medical Surgical Nursing) from Datta Meghe Institute of Higher Education in Medical Surgical Nursing on 1st January 2024.
- Has published 1 article and reviewed 6 articles in The Cureus Journal of Medical Science.

Dr. Nirupam Nisha Sahu

- Awarded Doctorate degree from Datta Meghe Institute of Higher Education in Child Health Nursing on 2nd January 2024.

- Completed 3 days ToT for IYCF organized by SCoE4N, AIIMS, Raipur.
- Copyright Registration No. L-142308/2024 (Title - Evidenced Based SRPPCP Stress Releasing Preadolescents Pandemic Care Pathway) Dated 29/1/2024

Ms. Ritika Rocque

- Awarded Outstanding Researcher in Community Health Nursing by Venus International Foundation, Chennai-2023 in July 2023
- Awarded Best Teacher award-2023 by GIAR Academic Foundation

Mrs. A Leelavathi

- Selected as an Editorial Board Member for the Journal "PPMPL Indian Journal of Advances in Pediatrics & Child Health".

DEPARTMENT OF ANATOMY

Professor & Head

Dr. Soumitra Trivedi

Professors

Dr. Mrithunjay Rathore

Dr. A. U. Siddiqui

Dr. Manisha B Sinha

Dr. K. Vijaya Kumar (Retired)

Associate Professor

Dr. Amit Purshottam Tirpude

Assistant Professors

Dr. Dharam Singh Rathia

Dr. Rahul K Ukey

HIGHLIGHTS

- The Eight Edition of Gross & Micro-anatomy Practical Manuals authored by Departmental faculties had been provided to 1st year MBBS students of 2023 batch.

EDUCATION

- Postgraduate teaching, training and research activities
- Undergraduate teaching and training to MBBS 1st year, B.Sc. Nursing 1st year, Degree

courses in OT Technician, trauma technician, MLT by adopting modern methodology in macro, micro, developmental, radiological, surface anatomy and genetics

- Teaching of BSc OT Technology, Pre-trauma technology, MLT, Radiographic Technologies
- Setting of Molecular Reproduction Lab: Research Lab

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Anatomical society of India 70 th national conference	Conference	29.11.2023 to 2.12.2023	Toma Riba Institute of Health and Medical Science Naharlagun Arunachal Pradesh
2.	Neuroanatomical Perspective of Meditation	12 th Annual Conference of Neurological Surgeons Society	2024	AIIMS, Raipur
3.	Anatomical Perspective of Asanas	ANATOMICA-MPCGCON2023	2023	R.D. Gardi Medical College, Ujjain
4.	Power point presentation	Power point presentation-Better to best	8.9.2023 to 9.9.2023	Medical Education Unit, AIIMS, Raipur
5.	Controversies of Peripheral nerves	Cadaveric workshop of plastic surgery at AIIMS, Raipur	12.01.24	Anatomy Deptt & Burn and plastic surgery, AIIMS, Raipur
6.	Temporal bone dissection	Conference, hands on workshop and CME on Cochlear Implant Surgery	28.4.2023 to 29.4.2023	Department of Otolaryngology-Head & Neck Surgery under the aegis of department of Anatomy, Indira Gandhi Medical College, Shimla (HP)
7.	Mixed method research	Workshop	2.3.2024	Dept. of Ayush AIIMS, Raipur
8.	How to design a questionnaire	E-workshop	2.7.2023	Commacad
9.	Data analysis with R programming	E-workshop	30.7.2023	Commacad
10.	Qualitative data analysis with Nvivo	E-workshop	19.11.2023	Commacad
11.	Basics of Polymerase chain reaction	Workshop	2023	Anatomy, AIIMS, Bhopal
12.	Qualitative research design and analysis	CME	1.2.2024 to 2.2.2024	AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Soumitra Trivedi**

S. No.	Title	CME/Conference	Date	Organized By
1.	Delivered a guest lecture on "Anatomical Overview: Vestibular System of Inner Ear"	Cadaveric workshop on Temporal Bone Dissection of 11 th Annual state conference	1.3.2024 to 2.3.2024	Department of ENT- HNS & Department of Anatomy of AOL, Raipur (CG)
2.	Delivered a guest lecture on "Brachial Plexus - An Anatomical overview"	The Biennial conference of the Indian Society of Peripheral nerve surgery (ISPNSCON 2024)	12.1.2024 to 14.1.2024	Department of Neurosurgery & Plastic Surgery, AIIMS, Raipur
3.	Delivered a lecture on "The Significance of Cadaveric Hands-on workshops in enhancing surgical skills" at	CME Cadaveric workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base"	12.8.2023 to 13.8.2023	Department of Anatomy, Neurosurgery, ENT-Head & Neck and Brain & Spine Society, Hyderabad
4.	Guest lecture on Middle & Inner Ear Surgical Anatomy with a topic of "Anatomical Landmarks in Surgical Approach to Inner Ear"	Conference, hands on workshop and CME on Cochlear Implant Surgery	28.4.2023 to 29.4.2023	Department of Otolaryngology-Head & Neck Surgery under the aegis of department of Anatomy, Indira Gandhi Medical College, Shimla (HP)
5.	Guest lecture on "Anatomical Planes and movements"	Conference & workshop	4.2.2023 to 5.2.2023	Department of Anatomy, AIIMS, Raipur

Dr. Mrithunjay Rathore

S. No.	Title	CME/Conference	Date	Organized By
1.	Neuroanatomical Perspective of Meditation	12 th Annual Conference of Neurological Surgeons Society	2024	AIIMS, Raipur
2.	Anatomical Perspective of Asanas	ANATOMICA-MPCGCON2023	2023	R.D. Gardi Medical College, Ujjain

Dr. Manisha B Sinha

S. No.	Title	CME/Conference	Date	Organized By
1.	Power point presentation basics of morphs, application of zoom	Power point presentation- Better to Best	13.10.23	AIIMS, Raipur
2.	Microteaching: an important vehicle of teacher training	6 th teacher training on Medical Education technology at AIIMS, Raipur on date	26.09.23	AIIMS, Raipur
3.	Anatomy of Axillary nerve in shoulder restoration	Controversies of Peripheral nerves	-	AIIMS, Raipur

Dr. Dharam Singh Rathia

S. No.	Title	CME/Conference	Date	Organized By
1.	Creating and printing 3D anatomical models	11 th BJASICON	27.10.2023	Manipal Tata Medical College, Jamshedpur
2.	Introduction to basics of Power Point, work area, adding picture and videos	Workshop on power point presentation	13.10.2023 to 14.10.2023	AIIMS, Raipur C.G.

LIST OF ORAL PAPERS/POSTERS PRESENTED**Dr. Manisha B Sinha**

S. No.	Title	CME/Conference	Date	Organized By
1.	Landmarks and measurements for Endoscopic approach through Kambintringle"	4 th International e-conference on "Beyond Boundaries: Exploring Excellence in Basic Medical Sciences"	13.11.2023 to 15.11.2023	AVMCH, Puducherry

Dr. Amit P Tirpude

S. No.	Title	CME/Conference	Date	Organized By
1.	Bilateral kinking of the extracranial part of the internal carotid artery with coiling and tortuosity of the external carotid artery	NATCON-70	2023	TRIHMS, Arunachal Pradesh

Dr. Dharam Singh Rathia

S. No.	Title	CME/Conference	Date	Organized By
1.	The effectiveness of employing the 3D visualization tool Anatomage table as learning adjunct to osteology training in first year medical students	Anatomical society of India 70 th National Conference	29.11.2023 to 2.12.2023	Toma Riba Institute of Health and Medical Science Naharlagun Arunachal Pradesh

Dr. Rahul K Ukey

S. No.	Title	CME/Conference	Date	Organized By
1.	Persistent median artery with absence of superficial palmar arch and higher origin of radial artery- a case report (Poster)	70 th National conference of Anatomical Society of India	29.11.2023 to 2.12.2023	Dept. of Anatomy, Tomo Riba Institute of Health and Medical Sciences, Naharlagun, Arunachal Pradesh, India

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A Study on the relative efficacy of Wet versus Dry Preserved (Plastinated) Specimens in the learning of Anatomical Relations of Human viscera by First year MBBS students in AIIMS, Raipur	Rahul Kisan Ukey	AIIMS, Raipur	1 year (with 1 year extension)	2023-2024	5,00,000
2.	Karyotyping: as a good tool for screening of chromosomal disorder	Dr. Manisha B Sinha	AIIMS, Raipur	1-2 years	2022	5,00,000

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Impact of Impact of Selected Asanas on Core Muscle activation in Degenerative Disk Diseases without Neurological Deficit"	Dr. Mrithunjay Rathore	AIIMS, Raipur	01	2022-23	5 Lacs

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Revisiting the musculipectinate of the right atrium in the Chhattisgarh population: Cadaveric study - Dr. Manisha B Sinha.
2.	"Endoscopic cadaveric study of surgically significant anatomical landmarks for Endoscopic Paranasal surgeries" - Dr. S Trivedi.
3.	Study of reading writing motivation with academic achievement in preclinical medical students. - Dr. Amit Tirpude.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Impact of Yoga on Quality of life of end-stages renal disease patients on maintenance hemodialysis - Funded by CCRYN-Ongoing	Department of Nephrology

PUBLICATIONS

- Singh Satyajit, Ahmed-Al-Imam, Tirpude AP Chaudhary Nikita, Ammen-Al-Alwany, Konuri V Kr Past Myocardial Infarctions and Gender Predict the LVEF Regardless of the Status of Coronary Collaterals: An AI-Informed Research. Open Access Macedonian Journal of Medical Sciences. 2023 Feb 23; 11(B):280-286.
- Khandelwal E, Rathore M, Trivedi S, Domadia P, Consul M. Asana to Anatomy: Unpacking Yoga's Inner Mechanics through Experiential Learning. Int J Anat Res 2024;12(1):8808-8814. DOI: 10.16965/ijar.2023.209.
- Trivedi S, Arora RD, Thakur J, Rathore M, Shukla A. Comparing the Clinical Orientation Benefits of Endoscopic demonstration on the Nose, Paranasal Sinuses, and Skull Base Versus Cadaveric Dissection for First-Year Medical Undergraduates. Indian Journal of Otolaryngology and Head & Neck Surgery; December 2023:IJOO-D-23-1780.
- Trivedi S, Arora RD, Singh L, Sharma U. The usefulness of cadaveric hands-on workshop for surgical training in head and neck surgeries. IJOO. (EMID- de5e504e7bd6bc8a) accepted on 23rd August 2023.
- Trivedi S, Sharma U, Rathore M, et al. (July 19, 2023) Comprehensive Study of Arrangement of Renal Hilar Structures and Branching Pattern of Segmental Renal Arteries: An Anatomical Study. Cureus 15(7): e42165. doi:10.7759/cureus.42165.
- Ingle AS, Kashyap NK, Trivedi S, Choudhary R, Suryavanshi G, Thangaraju P, Bagale KR. Assessment of Body Fat Percentage Using B-Mode Ultrasound Technique versus Skinfold Caliper in Obese Healthy Volunteers. Cureus. 2022 Mar 9;14(3):e22993. doi: 10.7759/cureus.22993. PMID: 35415052; PMCID: PMC8992878.
- Rathore M, Verma M, Nirwan M, Trivedi S, Pai V. Functional Connectivity of Prefrontal Cortex in Various Meditation Techniques - A Mini-Review. Int J Yoga. 2022 Sep-Dec;15(3):187-194. doi: 10.4103/ijoy.ijoy_88_22. Epub 2023 Jan 16. PMID: 36949839; PMCID: PMC10026337.
- Agrawal AC, Siddiqui AU, Sakale HS, John MR. Foot Morphology and its Relationship to Arch Height Index in Asymptomatic Adults Versus Adults Presenting with Foot Pain (Nondramatic). Nat J Clin Anat. 2023; 12(1):15-19.
- Siddiqui AU, John MR, Siddiqui AT, Gupta P, Singh J Entrapment of subscapular artery by the splitting of radial nerve-putative clinical

- implications. *Morphologie*.2023;107(357): 268-269.
10. Sinha MB, Dada R, Patel S, Mahapatra E, Bagde N, Sinha HP, et al. Incidence of Yqmicrodeletion among Chattishgarh population and cast based distribution. *Natl J ClinAnat* 2024;13:12-8.
 11. Sinha MB, Rathia DS, Dada R, Sinha HP. A Comprehensive Analysis of Y-Chromosome Microdeletions and Their Relationship to Male Infertility and Lifestyle Variables. *Ol*: 10.7759/cureus. 2024 March.
 12. Sinha MB, Ukey RK, Sinha HP. The incidence, gross and histological features of Meckel's diverticulum: Acadaveric study. *Panacea Journal of Medical Sciences* 2024;14(1);42-45.
 13. Sahoo S, Tirpude AP, Tripathy PR, Gaikwad MR, Giri S. The Impact of Periodic Formative Assessments on Learning Through the Lens of the Complex Adaptive System and Social Sustainability Principles. *Cureus* [Internet]. 2023 Jun 28 [cited 2024 Apr 12]; Available from: <https://www.cureus.com/articles/154387-the-impact-of-periodic-formative-assessments-on-learning-through-the-lens-of-the-complex-adaptive-system-and-social-sustainability-principles>.
 14. Singh S, Al-Imam A, Tirpude AP, Chaudhary N, Al-Alwany A, Konuri V. Past Myocardial Infarctions and Gender Predict the LVEF Regardless of the Status of Coronary Collaterals: An AI-Informed Research. *Open Access Maced J Med Sci*. 2023 Feb 5;11(B):252-8.
 15. Rathia, D. S., Rathore, M., John, M., & Ukey, R. K. (2023). The Efficacy of Utilizing the Anatomage Table as a Supplementary Educational Resource in Osteology Instruction for First-Year Medical Students. *Cureus*, 15(10). <https://doi.org/10.7759/CUREUS.46503>.
 16. Sinha, M. B., Rathia, D. S., Dada, R., Sinha, H. P., Sinha, M. B., RATHIA, DR. D. S., Dada, R., & Sinha, H. P. (2024). A Comprehensive Analysis of Y-Chromosome Microdeletions and Their Relationship to Male Infertility and Lifestyle Variables. *Cureus*, 16(4). <https://doi.org/10.7759/CUREUS.57375>

Chapter(s) in Books

Dr. Soumitra Trivedi

1. Pugazhenthana Thangaraju, Aravind Kumar B, HemasriVelmurugan, Sajitha Venkatesan, Ripudaman Arora, Soumitra Trivedi, **Significant Risks Medical Devices: General Medical Use**.
2. Pugazhenthana Thangaraju, Aravind Kumar B, Hemasri Velmurugan, Sajitha Venkatesan, Ripudaman Arora, Soumitra Trivedi, **Significant Risks Medical Devices Radiology**.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Soumitra Trivedi

- Invited as a Guest speaker in conference and hands on workshop on temporal bone dissection and CME on Cochlear Implant Surgery organized by Department of Otolaryngology-Head & Neck Surgery under the aegis of department of Anatomy, Indira Gandhi Medical College Shimla (HP) ON 28th & 29th April 2023.

Dr. Manisha B Sinha

- **Certified Genetic Counselor** (Did Certificate course of Genetic Counselling from Feb to June 2023 -RegnoCCGG/GHRC/0123/050223).
- **Co-Organizing secretary** of the workshop of plastic surgery at AIIMS, Raipur on date 12.01.24.

- **Organizing secretary** of workshop on "Power point presentation: - Better to Best" at AIIMS, Raipur on date 8.09.23- 9.09.23.
- **Awarded** on World Women's Day, (8.03.24) in Chhattisgarh MahilaSadbhavna SammanSamaroh, Raipur by **Sadbhavna Narisakti Sammnam, C.G.**
- **Chairperson** for the scientific session in Premier Conference ANATOMICA-MPCGCON held on 21-04.2023.
- **Chairperson** for the scientific session in BMSseCON (4th International e-Conference) organized by Department of Anatomy Biochemistry, physiology, AVMCH, Puducherry, India held on 13.12.23-15.12.23.

DEPARTMENT OF ANAESTHESIOLOGY

Professor & Head of the Department

Dr. N.K. Agrawal

Professors

Dr. Subrata Kumar Singha

Dr. Monica Malhotra

Additional Professors

Dr. Rashmi Dubey

Dr. Mayank Kumar

Dr. Sarita Ramchandani

Dr. Rampal Singh

Associate Professors

Dr. Chinmaya Kumar Panda

Dr. Mamta Sinha

Dr. Pradeep Khobragade

Dr. Jitendra Kalbande

Assistant Professor (Contractual)

Dr. Ketki Deotale

HIGHLIGHTS

The Department of Anaesthesiology at All India Institute of Medical Sciences (AIIMS) Raipur has made significant strides in the past year, showcasing excellence in patient care, education, and research.

The Department of Anaesthesiology is running over 18 operation theaters along with emergency services and has witnessed a remarkable increase of 14% in the number of major cases performed during the year. This growth is attributed to the Department's commitment in providing high-quality perioperative care and its collaboration with other specialties, leading to an

overall enhancement in patient outcomes with OT utilization time over 140%. The Department's is committed in expanding its surgical and critical care services. Our 13-bedded Critical Care Unit (CCU) annually admits over 800 critically ill patients encompassing both medical and surgical backgrounds. Equipped with comprehensive facilities including mechanical ventilation, dialysis, bronchoscopy, Point-of-Care Ultrasound (POCUS) and Extracorporeal Membrane Oxygenation (ECMO), we provide tertiary-level care for the critically ill patients. The successful recovery of an ECMO patient in our CCU serves as a beacon of hope for those grappling with cardio-respiratory failure. In response, we've initiated an

ECMO awareness program aimed at educating healthcare personnels, patients and their families about this advanced life-saving therapy, instilling confidence and optimism in their journey towards recovery.

The Department has introduced a specialized Interventional Pain Medicine Unit, catering to patients suffering from chronic pain conditions. The department procured an ozone generator, which has helped in treatment of various pain conditions through minimal access techniques. Altogether of 2737 patients have benefitted from the services of pain medicine OPD and 439 patients underwent minimally invasive pain interventions.

The Department is giving Non Operative Room Anaesthesia (NORA) services for the Department of Psychiatry (ECT) and Radiology (CT, MRI, DSA, Cardiology Cath Lab). The Department organized World anaesthesia (Ether) day to spread awareness about history of anaesthesia on the 16th October.

The Super-specialty OT complex is dedicated to performing & administering anesthesia and postoperative care for complex congenital cardiac surgeries, adult cardiac surgeries, thoracic cases under one lung ventilation. The Division of cardiac anesthesia provides anaesthesia for cases like Alveolar proteinosis referred from Pulmonary medicine and for cardiac catheterization lab procedures as well. The Neuroanaesthesia division as well administers anesthesia for complex and challenging neurosurgeries. Deep brain stimulation and awake craniotomies are performed regularly benefitting the common people of Chhattisgarh. Renal transplant is being routinely performed which is another achievement for the Urology department and students are getting exposure to transplant anesthesia as well.

EDUCATION

The Department of Anaesthesiology is running the Post-Doctoral Certificate Courses (PDCC) in a Pain and palliative Medicine, Neuro Anaesthesia, Obstetrics Anaesthesia, Paediatrics Anaesthesia, Onco Anaesthesia and have started DM in Cardiac Anaesthesia and DM in Critical Care. The Department's postgraduate students have continued to excel in national-level quiz competitions, paper and poster presentations.

The post graduates have won the following Prizes in year 2023-2024

- 1) 1st Prize in Poster Presentation ISACON -2023
- 2) 2nd Prize in Golden Quiz ISACON 2023
- 3) 3rd Prize in Paper ISACON 2023
- 4) 2nd Prize National Quizeeria 2023
- 5) 3rd Prize in poster presentation in Obstetric Anaesthesia and Update -Dec-2023

Our two post graduates presented a case on "MS in pregnancy" in ISA National online PG class which was moderated by Prof. Dr. N.K. Agrawal & Dr. Mamta Sinha. The Department has consistently produced excellent results in the DM Entrance examination across various super specialty of Anaesthesia, in INI as well as NEET-SS examinations. Two of our Post Graduate have joined DM Courses

- 1) DM in Cardiac Anaesthesia at AIIMS Raipur
- 2) DM in Neuro Anaesthesia at AIIMS Delhi
- 3) BLS/ACLS Internship AIIMS Raipur
- 4) The Department is running a course in BSc in OT Technology as well.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES:**Prof. (Dr.) Nandkishore Agrawal**

S. No.	Title	CME/Conference	Date	Organized By
1.	Acute care electro cardiology synopsis	CME	27.01.2024 28.01.2024	AIIMS, Raipur
2.	ECMO Awareness Program	WORKSHOP	13.01.2024	AIIMS, Raipur

Dr. Subrata Kumar Singha

S. No.	Title	CME/Conference	Date	Organized By
1.	ABCD of POCUS	Workshop & Conference	29.04.2023 30.04.2024	Department of T & E
2.	Paper titled Midas vs denied for prevention of amity	Euroanaesthesia 2023 Workshop & Conference	03.06.2023 04.06.2023 05.06.2023	European Society of Anaesthesiologists
3.	Services Mechanical Ventilation	CGISACON 2023 Workshop & Conference	23.09.2023 24.09.2023	Bhilai City branch of ISA Chhattisgarh
4.	ERAS in GI Surgery	1 st ISICPM, SGPGI Lucknow	06.10.2023 07.10.2023 08.10.2023	Department of Anaesthesia SGPGI, Lucknow
5.	Physiological basis of Mechanical Ventilation	CGISACON, Conference	23.09.2023	Bhilai City branch of ISA Chhattisgarh
6.	Basic modes of Mechanical ventilation	CGISACON, Conference	23.09.2023	Bhilai City branch of ISA Chhattisgarh
7.	Hypertensive disorders of Pregnancy	CME on Obstetrics anaesthesia	17.12.2023	Department of Anaesthesia, Pt. JNM Medical College, Raipur
8.	One lung ventilation in difficult airway	Annual IACTACON	09.02.2024 10.02.2024 11.02.2024	Nagpur Branch of IACTA, Maharashtra

Dr. Monica Malhotra

S. No.	Title	CME/Conference	Date	Organized By
1.	TCD and Neuromonitoring	12 th Annual Conference of the Neurological Surgeons Society of India workshop	23.02.2024	Department of Neurosurgery AIIMS, Raipur
2.	Perioperative care and considerations in aneurysm surgery	12 th Annual Conference of the Neurological Surgeons Society of India	25.02.2024	Department of Neurosurgery AIIMS, Raipur

Dr. Rashmi Dubey

S. No.	Title	CME/Conference	Date	Organized By
1.	Anaesthesia consideration of an awake craniotomy	12 th Annual Conference of the Neurological Surgeons Society of India	24.02.2024	Department of Neurosurgery AIIMS, Raipur
2.	Improving Perioperative Brain Health: A consensus review of key actions for the perioperative care team.	18 th Annual Conference of ISA Chhattisgarh State Branch CGISACON 2023	24.02..2023	Department of Anaesthesiology SSIMS Bhilai (C.G.)

Dr Mayank Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	Anaesthesia Workstation	AIIMS, Patna post graduate assembly	14.04.2023 15.04.2023 16.04.2023	AIIMS, Patna
2.	Transthoracic Echo & DVT	Workshop: ABCD of POCUS	29.04.2023 30.04.2023	Trauma & Emergency Department, AIIMS, Raipur
3.	Difficult Airway (Fibreoptic Bronchoscopy)	Workshop: SOAPCCON 2023	25.08.2023 26.08.2023 27.082023	Dept. of Onco-Anaesthesia AIIMS, New Delhi

4.	Pediatric Total Intravenous Anaesthesia (TIVA) & "Processed EEG, Chest Wall Blocks, Video laryngoscopy, Transthoracic Echocardiography"	Workshop: AOA 2023	13.09.2023 14.09.2023 15.09.2023	Association of Anaesthetists, UK
5.	Role of ultrasound in Obstetrics	CME on Obstetrics Anaesthesia	17.12.2023	Dept. of Anaesthesiology, Pt JNM Med College, Raipur
6.	Double Lumen Tube Placement in Airway Management	AIIMS Cadaveric Airway Workshop (ACAW) 2024	31.03.2023	Department of Anaesthesiology, Pain Medicine and Critical Care, AIIMS, New Delhi

Dr. Sarita Ramchadnani

S. No.	Title	CME/Conference	Date	Organized By
1.	Airway Ultrasound	Workshop: ABCD of POCUS	29.04.2023 30.04.2023	Department of Trauma & Emergency, AIIMS, Raipur
2.	Cardiopulmonary Arrest in Pregnancy	Workshop: Fundamental Critical Care Support (FCCS): Obstetrics Course	28.05.2023 29.05.2023	Department of Obstetrics & Gynaecology, Pt. JNM Medical College, Raipur (C.G)
3.	Cardiac Arrest Associated with Pregnancy- AHA 2020 Updates	International Conference: 2023 World Critical Care & Anesthesiology Conference (2023 WCAC) at Singapore	08.09.2023 09.09.2023	Episirus Scientifica
4.	Workshop on Labour Analgesia	National Conference: XVI Annual National Conference of Association of Obstetric Anaesthesiologist (AOACON)	22.09.2023	BJ Medical College, Ahmedabad
5.	Labour Analgesia: Recent Advances	CME: Obstetric Anaesthesia: An Update "How I do it"	17.12.2023	Department of Anaesthesiology, Pt. JNM Medical College, Raipur

Dr. Rampal Singh

S. No.	Title	CME/Conference	Date	Organized By
1.	How do I do it, video presentation of interesting case of back pain(long standing) posted for USG guided trigger Point injection	ISSPCON 2023 National Conference	03.02.2023 04.02.2023 05.02.2023	Hosted by ISSP, Amritsar City Branch Organized by Dept. of Anaesthesia, SGRDIMSR, Amritsar, Punjab
2.	USG Guided pain procedure like sacroiliac joint piriformis and caudal block- Demonstration on volumeters	Workshop	02.10.2023	Dept. of Anaesthesiology, BHU, Varanasi, UP
3.	Video Presentation, how do I do it third occipital nerve denervation in a patient suffering from one sided headache	6 th National and 1 st International Conference	15.12.2023 16.12.2023 17.12.2023	Dept. of Anaesthesiology, KGMU, Lucknow, UP
4.	Dealing with pain spine	CME	15.10.2023	Dept. of Orthopaedics, AIIMS, Raipur in Association with Indian Orthopedics Association, Raipur Branch
5.	Acute Care Electrocardiography Symposium, ACSE 24	2 nd National Symposium	27.01.2024 28.01.2024	Dept. of Trauma and Emergency Medicine, AIIMS, Raipur

Dr. Chinmaya Kumar Panda

S. No.	Title	CME/Conference	Date	Organized By
1.	COPD ventilation	CGISACON 23rd Workshop	23.09.2023	Sankaracharya Medical College, Bhilai

2.	Proning workshop	Workshop 3 rd world conference on comprehensive critical care (W4C)	15.09.2023	SMS Medical College, Jaipur
3.	Utility of ECCO2R in ICU	Pulmonary medicine updates 2024	10.03.2024	AIIMS, Raipur
4.	Complications of trauma ICU	Trauma conclave	27.08.2023	Shri Balaji Medical College, Raipur

Dr. Mamta Sinha

S. No.	Title	CME/Conference	Date	Organized By
1.	Knobology & USG guided Central Venous Cannulation	Workshop: Acute Bedside Care Delivery (ABCD) of POCUS	29.04.2023 30.04.2023	Trauma & Emergency Department, AIIMS, Raipur
2.	Ultrasound guided Regional Blocks	Workshop: SOAPCCON 2023 Workshop	25.08.2023 26.08.2023 27.08.2023	Dept. of Onco-Anaesthesia AIIMS, New Delhi
3.	Workshop on Pediatric Total Intravenous Anaesthesia (TIVA) & "Processed EEG, Chest Wall Blocks, Video laryngoscopy, Transthoracic Echocardiography" Topic of presentation	Workshop: AOA 2023	13.09.2023 14.09.2023 15.09.2023	Association of Anaesthetists, UK
4.	Non-Obstetrics Surgery in pregnant patients	CME on Obstetrics Anaesthesia	17.12.2023	Dept. of Anaesthesiology, Pt. JNM Medical College, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Kumar M. Sinha M., Baidya M	Ultrasound-guided internal jugular vein cannulation by Dynamic needle tip positioning using short axis out of plane approach vs. Long axis in-plane approach for assessing ease and first pass success rate in patients requiring Internal Jugular Vein cannulation: A prospective randomized study	Annual Congress of Association of Anaesthetists in Edinburgh, Scotland, UK	13.09.2023 14.09.2023 15.09.2023	Association of Anaesthetists, UK
2	Sinha M. Kumar M, Omer Mujahid, Agrawal S.	A prospective, randomized double-blinded study to compare Phenylephrine & Norepinephrine infusion to prevent hypotension following Subarachnoid block in patients undergoing Caesarean delivery	Annual Congress of Association of Anaesthetists in Edinburgh, Scotland, UK	13.09.2023 14.09.2023 15.09.2023	Association of Anaesthetists, UK
3.	Chandini Arora Prateek 1 st Prize (Poster)	Utility of Peng Block in Turbt Surgery	ISA Ludhiana Poster National Award	26.11. 2023	ISA Ludhiana
4.	Chandini Agrawal N.K. 3 rd Prize (Paper)	Effect of sevoflurane, Isoflurane and Desflurane on intraoperative blood glucose levels in non-diabetic patients undergoing surgery under general anaesthesia	Dr. T.N. Jha Memorial & Dr. K.P. Chansoriya Award	26.11. 2023	ISA Ludhiana

5.	K V Swati, Ramchandani S, Ramchandani R.K., Kumar S.S. 3 rd Prize (Paper)	To Compare Analgesic Efficacy of USG Guided Erector Spine Plane Block (ESPB) Versus Retrolaminar Block (RLB) in Patient Undergoing Modified Radical Mastectomy (MRM) A Prospective, Randomized Single Blinded, Parallel Group, Controlled Clinical Trial	CG ISACON	23.09.2024 to 24.09. 2023	SSIMS, Bhilai Durg
6.	K V Swati, Karoo Khushbu (Poster)	Pain: A Necessary Evil? (Anaesthetic Management of Congenital Pain Insensitivity Syndrome)	CG ISACON	23.09.2024 to 24.09. 2023	SSIMS, Bhilai Durg
7.	Gade Sandeep V Kalbande Jitendra	Effective of Preoperative Intranasal Dexametomidine on Characteristics of Spinal Anesthesia with Hyperbaric Bupivacaine for Lower Limb Orthopaedic Surgeries -A Double Blinded Randomizes Control Study	CG ISACON	23.09.2024 to 24.09. 2023	SSIMS, Bhilai Durg
8.	Gade SandeepV Kalbande Jitendra Kushwaha Jitendra	Anaesthetic Management of Patient with Large ASD with Severe Pulmonary Hypertension for Hernioplasty	CG ISACON	23.09.2023 to 24.09.2023	SSIMS, Bhilai Durg
9.	N Pharnitharan (Paper)	Demystifying ultrasound A key player in the perioperative period	Dr. B.B. Mishra Young Anaesthesiologist National Award	26.11.2023	ISACON, Gurgaon
10.	D K Nandeeshwara Arora Prateek Navya R. (Poster)	Effective Management of Pain Crisis in Sickle Cell Disease in Obstetrical Patients	OBS Anaesthesia: An Update Dec-2023	17.12.2023	Pt JNM Medical College, Raipur

11.	D.K. Nandeeshwara Arora Prateek Navya R. (Poster)	Minimally Invasive Pain Intervention for Sickle Cell Crisis	ISSCON National Pain Conference Feb-2024	02.02.2024 to 04.02.2024	Pune
12.	D K Nandeeshwara Arora Prateek Navya R. (Poster)	Effective of Sublingual ketamine in Pain Management and Assessment :A Preliminary Study	ISSCON National Pain Conference Feb-2024	02.02.2024 to 04.02.2024	Pune
13.	Navya R & Arora Prateek (Poster)	Navigation Relief Cooled radiofrequency ablation in bertolotti syndrome Syndrome	ISSCON National Pain Conference Feb-2024	02.02.2024 to 04.02.2024	Pune
14.	C Sangeeth Arora Prateek (Paper)	Our Experience with the choice of Imaging in Treating Pain Due to Eagle Syndrome: Case Series, Paper Presentation	ISSCON	26.11.2023	ISACON, Gurgaon
15.	Takoor S. Kumar Chinmaya Panda (Poster)	A Rare Case of Cerebral Venous Thrombosis in ICU	CG ISACON	23.09.2023 to 24.09.2023	SSIMS, Bhilai Durg
16.	Takoor Sudeep Arora Prateek (Poster)	Importance of Radiological Imaging in Airway Planning in Cases of Head & Neck Pathology	ISACON	26.11.2023	ISACON, Gurgaon
17.	C Nimisha, Prateek Arora (Paper)	Ergonomics in Anaesthesiology Residents A survey based Analysis	ISACON	26.11.2023	ISACON, Gurgaon
18.	C Nimisha (Poster)	Perioperative Management of Prolonged common carotid Artery Ligation for Aneurysm Repair	ISACON	26.11.2023	ISACON, Gurgaon

19.	A Divya Shravani J. (2 nd Prize)	Quize-2 nd Place in "Quizeeria 2023- Battle of Brains Please mention under education	AIIMS Guwahati	28.04.2023	AIIMS, Guwahati
20.	Shravani J. Kumar Panda Chinamaya Mussavin (Poster)	Quiz Crisis : The Unseen Enemy - Malfunctions of Infusion System	CGISCON	23.09.2023 to 24.09.2023	SSIMS, Bhilai Durg
21.	Shravani J & Arora Prateek (Poster)	A Survey Based Assessment of Low Backache post Pregnancy	OBS Anaesthesia: An Update	17.12.2023	Pt JNM Medical College, Raipur
22.	Narayan Sathya & Arora Prateek (Poster)	Conversance with Unilateral, Spinal Anesthesia for Thoracic Segmental Breast Surgeries (in New Mother)	CGISACON	23.09.2023 to 24.09.2023	SSIMS, Bhilai Durg
23.	Narayan Sathya & Arora Prateek (Poster) 3 rd Prize	General Vs regional, Choice of Anaesthesia for Antepartum Hemorrhage	OBS Anaesthesia An Update	17.12.2023	Pt JNM Medical College, Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Association of Serum C-reactive Protein with Postoperative Delirium among patients undergoing major abdominal surgeries: a prospective observational study	PI: Dr Mayank Kumar	Intramural, AIIMS, Raipur	One year	2022-23	5 lakhs

2.	Comparison of effect of Total intravenous anaesthesia (TIVA) versus inhalational anaesthesia on immune cells in patients undergoing Radical cystectomy: a prospective, randomized controlled study	PI: Dr Mamta Sinha	Intramural, AIIMS, Raipur	One year	2022-23	5 lakhs
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Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	A Comparative study of including agents propofol and sodium thiopental on hemodynamic changes during induction of General anaesthesia in Hypertensive Patients.
2.	Comparison of Dexmedetomidine versus Pentazocine - promethazine in tympanoplasty under Monitored anesthesia care: a double blind randomized controlled study.
3.	Effect of low dose intrathecal morphine as a part of multimodal analgesia in patients undergoing cardiac surgeries through sternotomy - prospective randomized controlled study.
4.	Effect of Pregabalin premedication on emergence agitation in Pediatric infraumbilical abdominal surgery after sevoflurane anaesthesia, double blinded randomized placebo control study.
5.	Comparative analysis of sugammaex versus neostigmine as an effective reversal agent in pediatric abdominal and urogenital surgeries under GA - A randomized control study.
6.	Comparison of propofol versus ketamine-propofol combination as an anesthetic agent in supratentorial tumors: A prospective randomized controlled study".
7.	Comparison of opioid free versus opioid based anaesthesia for supratentorial tumors: A prospective randomized controlled study".
8.	Effects of pregabalin on perioperative opioid-sparing effects on patients undergoing craniotomies for brain tumors: A Randomized, double-blinded, placebo-controlled study".
9.	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation with intravenous morphine - a randomized comparison of four different timings.
10.	Relationship between severity of anemia and acid base parameters - a pilot study.
11.	To study the correlation between body mass index and the distance from skin to lumbar epidural space under ultrasound guidance in term parturient a prospective, cross sectional, observational study.
12.	To study the correlation between ultrasound guided optic nerve sheath diameter measurements, as a surrogate marker of raised ICP at various time points in the post-natal period with respect to timing of stopping of magnesium sulphate therapy, in pre-eclamptic patients with severe features- a pilot study".

13.	To study the role of IVC collapsibility index measured in left lateral position to predict post spinal anaesthesia hypotension in women undergoing elective caesarean section - prospective, observational, cross sectional study.
14.	Comparison of total intravenous anaesthesia (TIVA) versus inhalational anaesthesia during elective spine surgery- A randomized controlled study.
15.	Comparative study of efficacy and safety between two different doses of dexmedetomidine combined with ropivacaine for caudal block in lumbosacral spine surgeries.
16.	To study the Effectiveness of ultrasonic measurement for the hyomental distance in predicting difficult laryngoscopy in children undergoing elective surgery under general anaesthesia.
17.	Ultrasound-guided quadratus lumborum block versus ultrasound-guided caudal epidural block for post-operative analgesia in children undergoing lower abdominal surgeries: A prospective randomized controlled study.
18.	Ultrasound-Guided sacral erector spinae plane block versus caudal epidural block for postoperative analgesia in children undergoing hypospadias surgery: Randomized controlled study.
19.	Comparison of the analgesic efficacy of ultrasound (USG) guided Erector Spinae Plane Block (ESPB) versus combination of Erector Spinae Plane Block (ESPB) and Retrolaminar Block (RLB) in patients undergoing Breast Cancer Surgeries: a prospective randomized single-blind pilot study.
20.	A comparative study of driving pressure guided individualized versus fixed positive end expiratory pressure on incidence of postoperative lung atelectasis in patients undergoing laparoscopic surgeries in Trendelenburg position : A double blinded randomized controlled study.
21.	Comparison of ultrasound guided external oblique intercostal plane block and subcostaltransversus abdominis plane block for laparoscopic cholecystectomy surgeries: A prospective, randomized controlled clinical study.
22.	To study the effect of the combination of preoperative oral melatonin and postoperative pectointercostal fascial block versus postoperative pectointercostal fascial block alone for postoperative pain management in patients undergoing open cardiac surgery- A prospective randomized study.
23.	Validation of Difficult Spinal arachnoid Puncture Score (DSP-Score): An observational Study.
24.	Optimal versus excess fresh gas flow for preoxygenation: A randomized, single-blind, non-inferiority study.
25.	Comparative evaluation of Ultrasound guided trigger point injections versus Trapezius plane block in Myofascial pain syndrome patients in terms of pain relief and quality of life.
26.	Randomized double blind comparative clinical study to compare efficacy of thoracic splanchnic nerves radiofrequency ablation at T11 and alcohol chemical neurolysis in upper abdominal cancer pain.
27.	Comparison of efficacy of plain bupivacaine vs bupivacaine with Dexmedetomidine vs Bupivacaine with Clonidine in Ultrasound guided Transverse Abdominal Plane Block for duration I of postoperative analgesia in patients undergoing lower abdominal surgeries: A double blinded randomized controlled study---Thesis RaghulPandy(Admission Batch July 2023).

Completed

S. No.	Project
1.	Analgesic and Recovery profile comparison of Ketamine, Lignocaine, and Dexmedetomidine versus Fentanyl-based Anaesthesia for Laparoscopic Renal Surgeries: A Randomized, single-blind, pilot study".
2.	Comparative analysis of Postoperative analgesic effect of caudal ropivacaine versus ropivacaine with nalbuphine in infra-umbilical pediatric surgeries: A randomized, double-blind, Pilot study.
3.	Comparison of Oral Melatonin and Oral Clonidine, premedication for attenuation of intubation response in pediatric patients undergoing surgical procedures under general anaesthesia: A double-blinded randomized controlled trial".
4.	Evaluation of effect of nitrous oxide on endotracheal cuff pressure at different fresh gas flows-a prospective, observational and comparative study.
5.	Effect of carbohydrate rich fluid on residual gastric volume and preoperative satisfaction in patients undergoing elective surgeries-A randomised controlled study.
6.	Preoperative Gastric volume estimation in Diabetic vs Nondiabetic patients undergoing elective surgeries- A prospective observational study.
7.	Comparison of efficacy of plain bupivacaine vs bupivacaine with Dexmedetomidine vs Bupivacaine with Clonidine in Ultrasound guided Transverse Abdominal Plane Block for duration of postoperative analgesia in patients undergoing lower abdominal surgeries: A double blinded randomized controlled study.
8.	To compare the analgesic efficacy of ultrasound (USG) guided Erector Spinae Plane Block (ESPB) versus Retrolaminar Block (RLB) in patients undergoing modified radical mastectomy (MRM): a prospective, randomized, double blinded, parallel group, controlled clinical trial.
9.	To compare the analgesic efficacy of ultrasound guided PEC II block using dexamethasone as an adjuvant to ropivacaine versus plain ropivacaine in patients undergoing modified radical mastectomy: a prospective, randomized, double blind, parallel group controlled clinical trial.
10.	To compare the efficacy of two different doses of IV dexmedetomidine for controlling post-operative shivering in women undergoing caesarean delivery under spinal anaesthesia: a prospective, randomized, double blind, parallel group, controlled clinical trial.
11.	Comparison of ultrasound guided transverses abdominis plane block (TAPB) versus erector spine plane block (ESPB) for analgesia after caesarean delivery - a randomized, open label, parallel group clinical trial.
12.	Association between Pre-operative frailty and Post-operative Delirium in elderly patients undergoing lower limb Surgery under regional anesthesia: a prospective observational study.
13.	Role of Internal jugular vein (IJV) collapsibility index to predict post spinal hypotension in pregnant women undergoing caesarean section: a prospective observational study.

14.	Efficacy and Safety of Spinal Anaesthesia with Hyperbaric Ropivacaine 0.75% and Bupivacaine 0.5% in Patients Undergoing Infraumbilical Surgeries - A Randomized, double-blind Study.
15.	Effect of pre operative intranasal dexmedetomidine on characteristics of spinal anaesthesia with hyperbaric bupivacaine for lower limb orthopaedic surgeries-A double blinded randomized control study.
16.	An observational study of relationship between peripheral perfusion index and core body temperature during general anaesthesia.
17.	Comparison of efficacy of combined PENG and LFCN block with combined L-ESP and LFCN block for postoperative pain relief in hip surgeries. A comparative study of propofol and thiopentone for haemodynamics parameter during induction of general anaesthesia in hypertensive patients.

PUBLICATIONS

- Nadirsha A, Agrawal N, Karim H R. Atracurium Versus Cis-Atracurium for Laryngeal Relaxation and Hemodynamic Stability in Pediatric Patients: A Randomized, Double Blind Study. *Cureus* 2023; 15 (6): e40882.
- Sandeep G, Agrawal N, Sinha M, Rajwade S. Inadvertent insertion of a nasogastric tube into the trachea. *International Journal of Medical Case Reports and Reviews, BioRes Scientia Publishers* 2024; 2(6):1-2.
- Kukanti C, Agrawal N, Karim HM, Sinha M. Effect of Sevoflurane, Isoflurane, and Desflurane on the Random Blood Glucose Levels in Non-Diabetic Patients Undergoing General Anesthesia: A Randomized, Single-Blind Study. *Cureus* 2024; 16(2): e54216.
- Mesa BK, Sinha M, Kumar M, Ramchandani S, Dey C, Agrawal N, Khetarpal M. Radial Arterial Cannulation by Ultrasound-Guided Dynamic Needle-Tip Positioning Using the Short Axis Out-of-Plane Approach Versus the Long-Axis In-Plane Approach: A Randomized Controlled Study. *Cureus* 2024; 16(2): e54183.
- Nayak P, Singha SK, Malhotra M, Sharma A. A Randomized Controlled study comparing Pulse pressure variation (PPV) and Pleth Variability Index (PVI) for Goal directed Fluid therapy intraoperatively in patients undergoing Intracranial (supratentorial ICSOLS) surgeries. *RJAIC* 2023; 30(1): 18-25.
- Arora P, Mujahid Omer, Singha SK. Non-Hodgkin's lymphoma masquerading as a right atrial mass. *Ann Card Anaesth* 2023; 26(2): 209-10.
- Arora P, Bais S, Singha SK. Right lower lobectomy in a post renal transplant patient with Covid associated Mucormycosis and a mycotic aneurysm in the pulmonary circulation. *Ann Card Anaesth* 2023; 26(3): 353-5.
- Arora P, Singha SK, Mujahid OM, Kumari S, Prakashbabu A. Mode of Mechanical Ventilation in a Case of Venolymphatic Malformation: Spontaneous-Saves, Positive-Precludes. *Turk J Anaesthesiology Reanim.* 2023; 51(4): 358-361.
- Keshwani M, Day S, Arora P, Singha SK. A randomized trial to compare the analgesic

- effect of pecto-intercostal fascial plane block with erector spinae plane block after mid-sternotomy incision for cardiac surgery. *Polish Journal of Thoracic & Cardiac surgery* 2023; 20(3):1-6.
10. Kalbande JV, Singha SK, Bodhey N, Sahani P. Congenital sub-mitral Aneurysm Anesthetics and surgical management. *Ann Card Anaesth* 2024;27:70-5.
 11. Singh R, Sonkar L. Buerger's Disease of Hand; my Experience with Phenol Chemical Neurolysis of Stellate Ganglion: Case Series of Six Patients. *J Orthop Case Rep.* 2024;14(5):153-160.
 12. Bhardwaj A, Dubey R, Khetarpal M et al. Selfie ensures eye safety. *Ain-Shams Journal of Anesthesiology* 2023; 15:28.
 13. N P, Sinha M, Kumar M, Ramchandani S, Khetarpal M, Karoo K, Mesa BK. Role of Internal Jugular Vein Collapsibility Index in Predicting Post-spinal Hypotension in Pregnant Women Undergoing Caesarean Section: A Prospective Observational Study. *Cureus* 2023;15(5):e39389.
 14. Kumar M, Borkar NK, Sinha M. Highlighting the fragility index: Strengthening the robustness of research findings in meta-analysis-A commentary. *Paediatric Anaesth.* 2024;34(3):281.
 15. Basumatary K, Dey S, Neema PK, Mujahid OM, Arora P, Kalbande J. Incidence of postoperative pulmonary congestion as diagnosed by lung ultrasound in surgeries performed under general anaesthesia: A prospective, observational study. *Indian J Anaesth* 2023; 67:628-32.
 16. Bhardwaj A., Kalbande J. Diaphragmatic facilitation speeds up recovery? *Ain-Shams J Anesthesia* 2023;15: 56.
- Abstracts Published in Journal(s):**
- 1) Kumar M, Sinha M, Baidya M. Ultrasound-guided internal jugular vein cannulation by Dynamic needle tip positioning using short axis out of plane approach vs. Long axis in-plane approach for assessing ease and first pass success rate in patients requiring Internal Jugular Vein cannulation: A prospective randomized study. *Anaesthesia.* 2023; 78(53): 8-66.
 - 2) Sinha M, Kumar M, Mujahid O, Agrawal S. A prospective, randomized double-blinded study to compare Phenylephrine and Norepinephrine infusion to prevent hypotension following Subarachnoid block in patients undergoing Caesarean delivery. *Anaesthesia.* 2023; 78(53): 8-66.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Subrata Kumar Singha, Chinmaya Panda, Mamta Sinha	9.1.1-HYPO-/HYPER-TENSION	Zirpe K, Joseph M, Sapra H, Singhal V (Eds).	Manual of Neuro-critical Care	1 st Edition	New Delhi	Jaypee Brothers Medical Publishers	2023.. pp.107-14	101
2.	Subrata Kumar Singha, Monica Khetarpal, Rashmi Dubey	9.1.2-TACHY-/BRADY-CARDIA	Zirpe K, Joseph M, Sapra H, Singhal V (Eds).	Manual of Neuro-critical Care	1 st Edition	New Delhi	Jaypee Brothers Medical Publishers	2023.. pp. 107-14	107
3.	Subrata Kumar Singha, Habib MR Karim	9.1.3 -DESATURATION	Zirpe K, Joseph M, Sapra H, Singhal V (Eds).	Manual of Neuro-critical Care	1 st Edition	New Delhi	Jaypee Brothers Medical Publishers	2023.. pp. 107-14	115
4.	Subrata Kumar Singha, Jitendra Kalbande	9.1.4- ELECTROCARDIOGRAM ABNORMALITIES	Zirpe K, Joseph M, Sapra H, Singhal V (Eds).	Manual of Neuro-critical Care	1 st Edition	New Delhi	Jaypee Brothers Medical Publishers	2023.. pp. 107-14	117
5.	Subrata Kumar Singha, Mayank Kumar	9.1.5 -CARDIAC ARREST: ADVANCED CARDIAC LIFE SUPPORT PRPTOCOL	Zirpe K, Joseph M, Sapra H, Singhal V (Eds).	Manual of Neuro-critical Care	1 st Edition	New Delhi	Jaypee Brothers Medical Publishers	2023.. pp.107-14	123

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Subrata Kumar Singha

1. State Task Force member for Emergency Medicine, State of Chhattisgarh, under DHS, CG.
2. Resource person (Faculty) NBE, New Delhi for Webinar Series (Postgraduates).
3. Resource person (Faculty) ISNACC for Webinar series.
4. Member, Editorial Board, Annals of Cardiac Anesthesia.
5. Reviewer, Cardiac Section, Indian Journal of Anesthesia.
6. External expert for faculty selection at INI, such as AIIMS Bhubaneswar, AIIMS Bhopal.
7. External subject expert for faculty & SR selection at ESI Hospitals.
8. Chairperson, AI in Anaesthesia Conference 09.12.2023 Department of Physiology, AIIMS Raipur.
9. Panel a hypertensive disorder in pregnant patients, CME 17.12.2023 Pt. JNM Medical College, Raipur.

Dr. Rashmi Dubey

- 1) Lecture Balancing the cocktails 4th Annual Conference of the Neurocritical Care Society of India (NCSI) 2023 and the 4th Annual Neurocritical Care Update (ANCU) 2023, 30.09.2023 Dept. of Neuroanaesthesia & neurocritical care, Artemis, Agrim institute of Neuroscience.

Dr. Sarita Ramchandani

1. Certified Instructor Fundamental Critical Care Course (FCCS) Obstetrics
2. **Life Member:** Association of Obstetric Anaesthesiologists (AOA) India w.e.f 2022.

3. **Life member:** Airway Management Foundation w.e.f 5th Jan. 2023.
4. **Panelist:** Panel Discussion on Safeguarding Mothers: A dialogue on patient safety and Drug Errors during XVI Annual National Conference of Association of Obstetric Anaesthesiologist (AOACON) on 23.09.2023 at BJ Medical College, Ahmedabad.
5. **Chairperson:** Fellow Corner - AOA Fellows, Recount your Most Intriguing Cases!!" during XVI National Conference of Association of Obstetric Anaesthesiologist (AOACON) on 24.09.2023 at BJ Medical College, Ahmedabad.
6. AHA Certified Instructor for BLS/ACLS Provider Course from 12th to 14th Feb.2024 at BALCO Medical Centre, Naya Raipur.

Dr. Chinmaya Kumar Panda

1. Radiological diagnosis of Pneumonia in patients with acute leukemia 02.09.202 AIIMS Raipur.
2. Panel discussion-anti-microbial stewardship panelist Anti-microbial-conclave 21.05.2023 Shri Balaji Medical College Raipur.
3. Saving Lives, Transforming Care: ECMO Awareness Initiative for Healthcare Teams speaker & organizing secretary ECMO awareness Program 13.01.2024 AIIMS Raipur.

Dr. Jitendra Kalbande

1. Chairperson for Topic on Drug Doxapram and CTPEH. IACTACON Nagpur 09.02.2024, 10.02.2024 11.02.2024 IACTACON.

AYUSH

Department of Ayurveda

Senior Medical Officer AYUSH (Ayurveda)

Dr. Akhilanath Parida

Medical Officer AYUSH (Ayurveda)

Dr. Sunil Kumar Rai

HIGHLIGHTS

National Ayurveda Day was celebrated on 10th November 2023 at AIIMS, Raipur with the theme "Ayurveda for One Health" and tag line "Ayurveda for Every One on Every Day".

The Department of Ayurveda organizes Swarna Prashan Program (Ayurveda Immunization Program), an effective immune booster for children, once a month.

Dr. Sunil Kumar Rai has actively participated in TV interviews and public programs to create

awareness about role of Ayurveda in reducing disease burden in the society and to promote Ayurveda as a personal healthy lifestyle program.

EDUCATION

Provided Ayurveda training to B.Sc. nursing & nursing students under internship program.

ACADEMIC DEVELOPMENT

Prepared a roadmap to establish Ayurveda as a separate Academic Department in AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Sunil Kumar Rai

S. No.	Title	CME/Conference	Date	Organised By
1.	Pharmacovigilence in Ayurveda and Unani.	National seminar	21.02.2024	Department of Homoeopathy AIIMS, Raipur

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Ongoing**

S. No.	Project
1.	Assessing the Effects of Ayurvedic Swarnaprashana on General Wellbeing and Health Status of Children: A Retrospective Survey at AIIMS Raipur

PUBLICATIONS

- Rai SK, Mishra V, Rai P. A Case Study on Ayurveda's Alleged Miracle Effect in Reducing CA 19-9. International Journal of Ayurveda and Pharma Research. 2023; 11(10):24-6.
- Rani Meher S, Dwivedi S, Rai SK. A critical and consolidate study of MedodharaKala w.s.r. to MajjaDhatu. International Ayurvedic Medical Journal 2023;11(12):3012-6.

Edited Book(s) and Monograph(s)**Book(s)**

S. No.	Author(s)	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Dr. Harsha Singh Dr. Priyanka Kaushik Dr. Sunil Kumar Rai Dr. Rashmi Verma	Garbhini Paricharya A classical text book according to Modern and Ayurveda	First Edition	Rasipuram, Tamil Nadu	Darshan Publishers Kakkaveri, Rasipuram, Tamil Nadu	2024	01 to 111

PATIENT CARE

	OPD	IPD (Day care)	Or any other facility (Therapy)
Total	6816	56	799

SWARNAPRASHAN PROGRAM

Department of Yoga

Medical Officer (AYUSH) Yoga

Dr. Vikram Pai

HIGHLIGHTS

A part from regular patient consultation and Yoga therapy sessions at OPD, The Department of Yoga also conducts regular Yoga Sessions for inpatients admitted in Psychiatry ward of AIIMS, Raipur. Department of Yoga, AIIMS Raipur in association with Central Council for Research in Yoga & Naturopathy, Delhi has formed a Centre for Mind Body Interventions through Yoga (CMBIY) for conducting integrative research in Yoga. The Department of Yoga had organized a 21 Days Common Yoga Protocol Training for the staff of AIIMS, Raipur from 1st June to 21st June 2023. 9th International Day of Yoga was celebrated by the faculty and staff of AIIMS Raipur on 21st June 2023 by practicing common Yoga protocol. Dr. Vikram Pai actively participated in public programs to

create an awareness about role of Yoga in reducing disease burden in the society and to promote Yoga as a personal healthy lifestyle program.

EDUCATION

1. Co-Guide for MPH thesis research project titled "Knowledge, Attitude & Practice of Yoga in Health care providers in AIIMS, Raipur"
2. Presented lecture on "Beyond Exercise: Spectrum of Physical and Mental ailments prevented and managed by Yoga" to 3rd Year MBBS students on 03/02/2024 under Medical Education Unit (MEU) lecture series.
3. Presented lecture on Stress management through Yoga for PG students on 12/10/2023 at PG Induction program (LT-5).

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Mixed Methods research in Yoga	National Workshop	02.03.2024	Department of Yoga, CCRYN CMBIY, AIIMS, Raipur

RESEARCH

Collaborative Research Projects

a) Extra Mural Research Projects (ongoing)

S. No.	Project	Principal Investigator	Collaborative department	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Effect of yoga-based lifestyle changes on epicardial fat thickness, intima-media thickness, pulse wave velocity, VO2 max and anthropometric parameters in obese young adults	Prof. Dr. Avinash S. Ingle (P.I), Dept. of Physiology Dr. Vikram Pai (Co-Investigator) Dept. of Yoga & Naturopathy	Department of Physiology, AIIMS Raipur	Central Council for Research in Yoga & Naturopathy, Delhi	2 Years	2023-2025	9,93,524/-
2.	Impact of Yoga on Quality of Life of End-Stage Renal Disease Patients on Maintenance Hemodialysis - A Mixed-Methods Pilot Study	Dr. Vinay Rathore (P.I) Dept. of Nephrology Dr. Vikram Pai (Co-Investigator) Dept. of Yoga & Naturopathy	Department of Nephrology, AIIMS Raipur	Central Council for Research in Yoga & Naturopathy, Delhi	2 Years	2023-2025	4,50,000/-
3.	Effect of Yoga Therapy in Management of Post-operative Myofascial Pain in Breast Cancer Patients: A Randomized Controlled Trial	Dr. Amit Kumar (P.I) Dept. of Medical oncology, Dr. Vikram Pai (Co-Investigator) Dept. of Yoga & Naturopathy	Department of Medical oncology, AIIMS Raipur	Central Council for Research in Yoga & Naturopathy, Delhi	2 Years	2023-2025	1,30,000/-

b) Intra Mural Research Projects

S. No.	Project	Principal Investigator	Collaborative department	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Impact of Yoga on Patients with Chronic Kidney Disease without dialysis - A mixed methods Pilot study <i>(Status-ongoing)</i>	Dr. Vikram Pai (Principle- Investigator) Dept. of Yoga & Naturopathy Dr. Vinay Rathore (Co- Investigator) Dept. of Nephrology	Department of Nephrology	AIIMS Raipur	1 year	2023-24	1,45,000/-
2.	Impact of Yoga on Patients with Chronic Kidney Disease on Peritoneal dialysis - A mixed methods Pilot study <i>(Status-completed)</i>	Dr. Vinay Rathore (PI) Dept. of Nephrology Dr. Vikram Pai (Co- Investigator) Dept. of Yoga & Naturopathy	Department of Nephrology	AIIMS Raipur	1 year	2023-24	1,45,000/-

PUBLICATIONS**Abstracts Published in Journal(s):**

- One-Day International Workshop on Mind-Body Intervention: Emerging Status and

Expert Meeting on Benefits and Barriers of Yoga Research - January 8-10, 2024 CCRYN PGIMER, Chandigarh. Integr. Med. Case Rep. 2024, 5, <https://doi.org/10.38205/imcr.05si01>.

PATIENT CARE

	OPD	Psychiatry IPD
Total	863	3132

9th International Day of Yoga 2023



Department of SIDDHA

Medical Officer AYUSH (SIDDHA)

Dr. V. Lakshmanakumar

HIGHLIGHTS

A part from regular patient consultation and External therapies provided at OPD, the Department of Siddha also started admitting patients in AYUSH IPD on Day care basis. We organized 7th Siddha Day - on 30th December 2023 at AIIMS, Raipur in association with Indira Gandhi Krishi Viswavidyalaya Raipur & Samarpann Natural Farms Raipur (NGO) with Sri Agastya Poojan (Salutation to father of Siddha Medicine), Herbal Expo&Millet Expo conducted for two days (29.12.2023 & 30.12.2023) at AIIMS Raipur. An awareness program on benefits of Millets and Herbal plants was conducted on 30.12.2023 with two plenary lectures given by domain experts from the Indira Gandhi Krishi Viswavidyalaya, Raipur to employees of AIIMS Raipur and General public. A special camp was conducted with free of cost distribution of the Infections Preventive Siddha Medicines for Seasonal Infectious Diseases on 17.08.2023 to 30.09.2023 at AIIMS Raipur for the general public and employees of AIIMS Raipur and above 500 patients were benefited.

EDUCATION

1. Providing orientation training classes for our AIIMS B.Sc., Nursing professionals under internship program.

ACADEMIC DEVELOPMENT

1. Successfully completed course on "Current Regulatory Requirements for Conducting Clinical Trials in India for Investigational New Drugs/New Drug (Version 3.0)" July-Sep 2023, Conducted by NPTEL and IIT Madras, SWAYAM Central, Ministry of Education, GOI.
2. Successfully completed course on "Online Course on E-Research Ethics Committee" (e-REC) July 2023 conducted by Division of Epidemiology, Biostatistics and Population Health, St.John's Research Institute Bangalore.
3. Joined Post Graduate Diploma Hospital Management (Batch 2023-2024) Course through Distance Learning Cell conducted by National Institute of Health and Family Welfare, New Delhi.

LECTURES DELIVERED AT CMEs/ WORKSHOPS/ SEMINARS

S. No.	Title	CME/ Conference	Date	Organized by
1.	Role of Pharmacovigilance in Siddha	One-Day National Seminar on Pharmacovigilance of A, S, U & H Drugs	21.02.2024	Department of Ayurveda, Siddha & Homoeopathy AIIMS Raipur.

ORAL PAPERS/POSTERS PAPER PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Lakshmanakumar V	Insilico Computational Analysis of Siddha Formulation Aavarai Bhavanai Chooranam (ABC) Against Enzyme Alpha-Glucosidase for Type II Diabetes Mellitus (e-poster presentation)	International E-conference on 'Exploring the Frontiers of Insilico Drug Discovery: Trends, Challenges and Opportunities'	28.07.2023	Department of Pharmaceutical Chemistry, Ramaiah University of Applied Sciences, Bangalore.

AWARD, HONOURS AND SIGNIFICANT EVENTS

- Appointed by the NABH, Quality Council of India, New Delhi as Observer of for Assessment of 'Vinayaka Mission's Homoeopathic Medical College and Hospital' Salem Tamil Nadu on 13th & 14th June, 2023 & 'Saranya Ayurveda Hospital' Coimbatore Tamil Nadu on 26th & 27th August, 2023.
- Designated Advisory Committee Member & Session Chair for Technical Sessions (AYUSH) of the National Conference on "Advances in Chemical and Environmental Science & Engineering" (ACESE-2023) on 1st & 2nd December 2023, organized by Department of Chemical Engineering National institute of Technology Raipur.
- Designated session Chair for Technical Sessions (AYUSH-Siddha) of the 1st International Conference on "Separation & Purification Techniques; Environmental Applications" (ICSPT-2024) on 19th & 20th January 2024, organized by Department of Chemical Engineering National institute of Technology Raipur.
- Appointed by the NABH, Quality Council of India, New Delhi as Assessor of for Assessment of Six Ayush Health and Wellness Centre Ayurveda Dispensary in Raipur Division Tekhari Julum, Seoni Thusera, Khairkoot, Akalwara, Basin and Parsapani on 22nd, 23rd & 27th February, 2024.

PATIENT CARE

	OPD	IPD (Day Care)
Total	1323	43



Glimpses of Herbal & Millet Expo

Department of Homoeopathy

Medical Officer AYUSH (Homoeopathy)

Dr. Ashutosh Tripathi

HIGHLIGHTS

The Department of Homoeopathy has been providing Homoeopathic consultation to patients and designs their treatment protocols successfully since its inception in 2014 and restart in 2019. Along with Homoeopathic consultation, Homoeopathic medicines are also provided to the patients free of cost. Dr. Ashutosh Tripathi has been constantly involved in creating awareness about Homoeopathic system of medicine by conducting workshops, seminars and public awareness programs. Program Management Unit has been set up by Department of Homoeopathy as Peripheral Pharmacovigilance Centre for Pharmacovigilance of ASU and H drugs and seminars are conducted every month as part of awareness program for AYUSH students and professionals. Department

has also worked towards establishment and development of Centre for Integrative Medicine, Education and Research (CIMER) which aims to integrate the conventional medicine and holistic AYUSH Medicine to reduce the health care burden of Non communicable and chronic diseases in the society. World Homoeopathy Day was celebrated on 10th April, 2023 by organizing a pictorial exhibition on 'History of Homoeopathy in India' and 'Life of Hahnemann' for patient's awareness at Homoeopathic OPD.

EDUCATION

- Conducted many seminars on Pharmacovigilance of A, S, U and H Drugs as part of awareness program for Ayurveda and Homoeopathic students and professionals.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	One Day National seminar on Pharmacovigilance of A,S,U and H drugs	National Seminar	21.02.2024	Department of Homoeopathy, AIIMS Raipur.
2.	One Day State Level Seminar on Lessons to Learn from Dr. Hahnemann's Life as Clinician, Academician and Researcher'	State Level Seminar	21.04.2023	Department of Homoeopathy, AIIMS Raipur.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Ashutosh Tripathi**

S. No.	Title	CME/Conference	Date	Organized By
1.	Introduction to Pharmacovigilance in AYUSH and Role of Pharmacovigilance in Homoeopathy	One Day National seminar on Pharmacovigilance of A,S,U and H drugs	21.02.2024	Department of Homoeopathy, AIIMS Raipur.
2.	The Remarkable Life of Hahnemann- Insights into the Mind of a Great Researcher and Experimenter	'One Day State Level Seminar on Lessons to Learn from Dr. Hahnemann's Life as Clinician, Academician and Researcher'	21.04.2023	Department of Homoeopathy, AIIMS Raipur.

Collaborative Projects (IMR)*Ongoing*

S. No.	Project	Collaborating Department/Institution
1.	Efficacy of Yoga Therapy as an Adjunct to the individualized Homoeopathic Treatment on severity and frequency of Migraine: a Randomized Controlled Trial	Department of Yoga, AIIMS Raipur

PATIENT CARE

	OPD
Total	7833

DEPARTMENT OF BIOCHEMISTRY

Professors

Dr. Eli Mohapatra (Head of Department)

Dr. Rachita Nanda

Additional Professors

Dr. Suprava Patel

Dr. Jessy Abraham

Dr. Seema Shah

Assistant Professors

Dr. DabluLal Gupta

Dr. Neha Rani Verma

HIGHLIGHTS

Organized a two days On-site transition certificate training program and four days International Lead Auditor certificate training program in July 2023 for securing NABL accreditation for various internal labs of AIIMS, Raipur.

EDUCATION

The Department of Biochemistry conducted summer Internship for NIT students from 09.06.2023 to 08.07.2023.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Mixed Methods research NBS awareness E-Poster competition in the month of September 2023	E-Poster competition	01.09.2023 to 15.09.2023	Dept. of Biochemistry

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Eli Mohapatra**

S. No.	Title	CME/Conference	Date	Organized By
1.	Guest Speaker	10 th Annual conference (ACCLMPCON 2024)	03 - 04.02.2024	Rabindranath Tagore Medical College Udaipur, Rajasthan.
2.	Guest of Honour	Workshop on Qualitative Research designs & analysis	01 - 02.02.2024	College of Nursing, AIIMS, Raipur.
3.	Panelist at ICMR Chandanpur Nagpur for PI's meeting of an extramural project Title of the project	"A non-inferiority randomized trial to assess the efficacy of 10mg hydroxy urea/kg/day versus 20ml hydroxy urea/kg/day in treatment of Sickle cell disease patients of tribal and non-tribal areas in India"	24.01.2024	ICMR
4.	The ACE (D/I) polymorphism association in COVID-19 patients and their healthy contacts	International Union of Immunology Societies	27.11.2023 - 02.12.2023	IUIS 2023 Cape Town, South Africa
5.	Chairperson	30 th Annual Conference (AMBICON 2023)	13 - 16.12.2023	LokmanyaTilak Municipal Medical College & General Hospital
6.	Guest Faculty	5 th National Symposium on Pulmonary Medicine (Pulmonary Medicine Update 2024)	09.12.2023	Dept. of Pulmonary, Critical Care & Sleep Medicine, AIIMS, Raipur
7.	Chairperson	CME & Workshop on Artificial Intelligence in Physiology and Healthcare	09.12.2023	Dept. of Physiology, AIIMS, Raipur.
8.	Chairperson	CME on Comprehensive oral cancer management	14.10.2023	Dept. of ENT and HNS, AIIMS, Raipur

9.	Resource faculty	6 th Teachers' training on Medical Education Technology	25 - 27.09.2023	Medical Education Unit, AIIMS, Raipur (C.G)
10.	Co-Patron	"Neoplastic Pathology of Lungs & Mediastinum Basics to Genomics"	05.08.2023	Dept. of Pathology & Lab Medicine, AIIMS, Raipur.
11.	Patron	One Day National Level CME on "Technical training of cleaning and sterilization process in Health care facilities"	15.07.2023	Hospital Administration, AIIMS, Raipur
12.	Panelist	National Round Table Summit on Tribal Health	06 - 07.05.2023	AIIMS, Deoghar, in collaboration with ECHO India

Dr. Rachita Nanda

S. No.	Title	CME/Conference	Date	Organized By
1.	Does patient safety matters: Perspectives of the laboratory physician.	30 th Annual National Conference of the Association of Medical Biochemists of India 2023	14 - 16.12.2023	AMBI
2.	Surrogate markers of hepatobiliary malignancies: How capable are they of improving a dismal picture?	10 th ACCLMPCON 2024	03 - 04.02.2024	ACCLMP
3.	Thyroid characteristics of older patients visiting a tertiary care in Central India.	21 st International Congress of Endocrinology at Dubai UAE	01 - 03.03.2024	ISE

Dr. Suprava Patel

S. No.	Title	CME/Conference	Date	Organized By
1.	An overview on the cut-off values of the newborn screening parameters, the factors influencing the values and their clinical implications	49 th Annual Conference of Association of Clinical Biochemists of India, ACBICON 2023	13 - 16.09.2023	Department of Biochemistry, Believers Church Medical College Hospital, Kazhakkootam, Thiruvananthapuram, Kerala
2.	Immune cells and cytokine interaction in mediating crisis event in sickle cell disease	7 th International Conference on Translational Research 2023 (7 th ICTR) 2023	15 - 18.10.2023	Department of Stem Cell Facility (DBT-Centre of Excellence for Stem Cell Research), All India Institute of Medical Sciences, New Delhi
3.	Hypoxia inducible factor-1 α gene sequencing and association of the variants with serum hif-1 α level in mask users	North Zone ACBI Conference 2024 (under aegis of Rajasthan Society for Association of Clinical Biochemists of India)	01- 02.02.2024	Department of Biochemistry, AIIMS, Jodhpur
4.	T-cell and cytokine profile in sickle cell disorder in predicting clinical outcome	XII th International Conference of Indian Academy of Biomedical Sciences (IABSCON - 2024)	23- 25.02.2024	Department of Biochemistry, AIIMS, Patna

Dr. Seema Shah

S. No.	Title	CME/Conference	Date	Organized By
1.	Chairperson Award Paper	30 th annual conference of AMBI at Mumbai	13 - 16.12.2023	LTM Medical College & Seth G. S. Medical College, Mumbai
2.	Chairperson	40 th Annual Conference of International Medical Sciences & Technology (IMSA) - "IMSACON 2023	02 - 03.12.2023	Mahatma Gandhi University Of Medical Sciences & Technology (MGUMST Campus), Jaipur, Rajasthan

3.	Oral Paper on "Platelet Activation Markers in Sickle Cell Disease"	40 th Annual Conference of International Medical Sciences & Technology (IMSA) - "IMSACON 2023"	02 - 03.12.2023	Mahatma Gandhi University of Medical Sciences & Technology (MGUMST Campus), Jaipur, Rajasthan.
4.	Poster on "New Therapeutics in Sickle Cell Disease"	40 th Annual Conference of International Medical Sciences & Technology (IMSA) - "IMSACON 2023"	02 - 03.12.2023	Mahatma Gandhi University Of Medical Sciences & Technology (MGUMST Campus), Jaipur, Rajasthan.
5.	Presented a Case report on Lead Poisoning	Virtual round table on 'Lead Poisoning in Chhattisgarh: Challenges and the Way Forward'	15.03.2024	Pahle India Foundation.

Dr. DabluLal Gupta

S. No.	Title	CME/Conference	Date	Organized By
1.	Immunology of SARS-CoV-2 and vaccination	Celebration of National Science Day 2023	13.04.2023	School of Studies in Biotechnology, Pt.Ravishankar Shukla University, Raipur
2.	Serum levels of antibodies and cross-reactive antibodies against the spike protein variants of SARS-CoV-2 in the vaccinated people and non-vaccinated people who have recovered from natural infection	26 th World Congress on Advanced Biotechnology	27 - 28.04.2023	Online conference organized by Conference series and the Editors of Research & Reviews: Journal of Microbiology and Biotechnology & Archives of Medical Biotechnology, UK
3.	Gut microbiotadysbiosis and its association with clinical parameters in obese women with polycystic ovary syndrome	Presentation on Task Force on PCOS at ICMR	21- 22.08.2023	ICMR, New Delhi

4.	Serum levels of cross-reactive antibodies against the spike protein variants of SARS-CoV-2 in the vaccinated people and non-vaccinated people who have recovered from natural infection	IMMUNOCON 2023	06 - 08.10.2023	AIIMS New Delhi
5.	The mutations in the RBD domain at the residues K417, L452, and E484 reduced the cross-reactivity with polyclonal sera obtained from the vaccinated people and non-vaccinated people who have recovered from SARS-CoV-2 infection	Central Zone ACBICON 2024	19 - 20.01.2024	AIIMS Bhopal
6.	The mutations in the RBD domain at the residues K417, E484, and N501 reduced in the humoral immune response in vaccinated people and SARS-CoV-2 recovered patients	IMMUNOMEET 2024	27 - 29.03.2024	Department of Biochemistry, College of Medicine & J.N.M Hospital West Bengal University of Health Science (WBUHS)

Dr. Neha Rani Verma

S. No.	Title	CME/Conference	Date	Organized By
1.	Dr. Neha Rani Verma	National CME on "Role of molecular diagnosis in modern medicine & 8 th AMBI state chapter"	24.02.2024	Department of Biochemistry LSLAM GMC, Raigarh (C. G.)

ORAL PAPERS/POSTERS PRESENTED

Dr. Eli Mohapatra

S. No.	Authors	Title	Conference	Date	Organized By
1.	Gupta P, Mohapatra E, Patel S, et al.	Effect of the Angiotensin- Converting Enzyme (ACE) (I/D) Polymorphism in COVID-19 Patients and Their Healthy Contacts.	International Union of Immunology Societies	27.11.23 to 02.12.2023 IUIS 2023	Cape Town, South Africa

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A non-inferiority randomized trial to assess the efficacy of 10mg/kg/day versus 20mg/kg/day hydroxyurea in the treatment of sickle cell disease patients of tribal and non-tribal areas in India.	Dr. Eli Mohapatra	ICMR	5 years	2022	1,61,61,931/-
2.	Study of clinical profiling and genetic risk factors for vaso-occlusive crisis in Sickle Cell Disease: a Multi centric Case control Study	Dr. Eli Mohapatra	ICMR	5 years	2024	3,68,196/-
3.	Expression profile of miR-145, connective tissue growth factor and CX3CL1 in systemic lupus erythematosus. intramural sanctioned project.	Dr. Rachita Nanda	AIIMS Raipur	1	Oct. 2023 - Sept 2024	5 Lakhs
4.	MicroRNA in SLE	Dr. Rachita Nanda	CCOST Raipur	1	March 2023	4,20,000/-

5.	Establishment of Reference Intervals in Indian Population under the Task Force on Establishment of Reference Intervals in Indian Population (TERIIP)	Dr. Rachita Nanda	ICMR	3	January 2024	Budget sanction letter not received
6.	Hypoxia inducible factor-1 α gene sequencing and association of the variants with serum HIF-1 α level	Dr. Suprava Patel	AIIMS, Raipur	1 year	20 Jun 2023	5,00,000/-
7.	Platelet Activation and human platelet antigens (HPA) polymorphism in Sickle Cell Disease	Dr. Seema Shah	AIIMS Raipur	3	2021-2024	5,00,000/-
8.	Investigating N-acetyl cysteine as an anti-sickling agent in sickle cell disease, Multicentric Study	Site PI : Dr. Seema Shah	ICMR (Proposal ID: IIRP-2023-4911/F1)	3	2024-2027	1,36,66,662 for period 2024-25, AIIMS Raipur fund 1,03,000/-
9.	Understanding the role of miRNA in modulating the cellular responses of Dendritic Cells (DCs) during post-traumatic sepsis and septic shock	Dr. DabluLal Gupta	SERB, DST, Government of India	Two and half years	27.12.2021	28,85,040/-
10.	A study to understand the mechanism of metabolic derangement causing acute liver failure (ALF) in patients of acute yellow phosphorus poisoning	Dr. DabluLal Gupta	ICMR, New Delhi, Government of India	Three years	16.10.2023	37,94,820/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A pilot study of ACE (D/I) gene polymorphism in COVID-19 positive patients and their healthy contacts	Dr. Eli Mohapatra	CGCoST, Raipur	01 year	2021-2023	4,40,000/-
2.	To evaluate the presence of cross-reactive antibodies against the spike of SARS-CoV-2 in the vaccinated people and non-vaccinated people who have recovered from natural infection	Dr. DabluLal Gupta	AIIMS Raipur	Two Years	27.09.2021	5,00,000/-

Departmental Projects - Non-Funded Projects/ ICMR-STS Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Correlation of CX3CL1 with immune inflammatory marker of metabolic syndrome: A Case control study
2.	Expression of miRNA 221 and Endocan in patients with diabetic neuropathy- An observational study
3.	Sirtuin 1 as a potential biomarker for CKD of unknown origin-A cross sectional pilot study
4.	Efficacy of Curcumin and Resveratrol in Sickle Cell Disease
5.	Exploring the role of miRNA-145 mediated Epithelial-Mesenchymal Transition in Systemic Lupus Erythematosus
6.	ICMR-STS Project "Diagnostic potential of serum DNase activity as a novel biomarker in CHD in diabetic hypertensive."
7.	Prevalence of thyroid dysfunction in elderly patients visiting a tertiary care center in Central India

Completed

S. No.	Project
1.	Effect of unmetabolized folic acid on immune-inflammatory markers in Sickle Cell disease patients taking folic acid supplementation
2.	"Plasma mtDNA as a biomarker in gestational diabetes mellitus risk for review"

Collaborative Projects

S. No.	Project	Collaborating Department/Institution
1.	ICMR-PCOS TASK FORCE STUDY: Evaluation of Prevalence, Regional Phenotypic Variation, Comorbidities, Risk Factors and the Variations In Response to Different Therapeutic Modalities among Indian Women with Polycystic Ovary Syndrome; A Multicentre Study Across India	Department of OB-GYN AIIMS, Raipur
2.	Development of a Risk Stratification System for Clinical Management of Sickle Cell Disease Using Predictive Machine Learning Approaches.	DST-SERB India
3.	Association of Hypothyroidism with Obesity in Patients with PCOS.	Department of OB-GYN AIIMS, Raipur

4.	Role of AMH in the diagnosis of PCOS	Dept. of Obstetrics and Gynaecology
5.	Prevalence of autoantibodies and cytokines in patients of rheumatoid arthritis and its clinical significance in Indian RA cohort	AIIMS, Raipur Dept. of Medicine AIIMS, Raipur
6.	Effect of body fat percentage on nonalcoholic fatty liver disease and its relation with nerve conduction parameters in health care shift workers	Dept. of Physiology AIIMS, Raipur
7.	Estimation of serum osteopontin in primary osteogenic sarcoma	Dept. of Orthopaedics AIIMS, Raipur
8.	An Indian Multi-centric Phase IV study to assess the safety of Crizanlizumab with or without hydroxyurea therapy in sickle cell disease patients with vaso-occlusive crisis. (CSEG101A2403)	Dept. of General Medicine Dept. of Pediatrics Dept. of Biochemistry AIIMS, Raipur
9.	Burden of Vaso-Occlusive pain crisis: A Cross-sectional Observational Study Among Patients with Sickle Cell Disease in India (B-VOCAL SCD) Interventional Study Protocol (Non-PASS) CSEG101AIN01	Dept. of Pediatrics and Dept. of Biochemistry AIIMS, Raipur
10.	Effect of short-term slow deep breathing on electrophysiological and biochemical correlates of Neurocognition in Sickle Cell Disease	Dept. of Physiology AIIMS, Raipur
11.	Circadian rhythm of sleep-wakefulness & heart rate variability and its relation to polymorphism in Asthmatic patients	Dept. of Physiology AIIMS, Raipur
12.	ICMR Grant-in-Aid of AdHoc research project: Prevalence and Characteristics of Chronic Kidney Disease (CKD) in Supebada village of Devbhog block and Piperkhuttavillage of Manpur Block in Gariyaband District.	Dept. of Community Medicine, Pt. J.N.M. Medical College, Raipur, Dept. of Nephrology AIIMS, Raipur Dept. of Biochemistry AIIMS, Raipur
13.	Urine concentrating defect in residents of endemic area of CKDU visiting AIIMS, Raipur: A pilot study.	Dept. of Nephrology AIIMS, Raipur
14.	Prevalence of Autoantibodies and Cytokines in patients of Rheumatoid arthritis and its clinical significance in Indian RA cohort Prevalence of Autoantibodies and Cytokines in patients of Rheumatoid arthritis and its clinical significance in Indian RA cohort	Dept. of Medicine AIIMS, Raipur

15.	Study of correlation between serum copper, serum zinc, copper-zinc ratio and disease severity scores in sickle cell disease patients.	Dept. of Medicine AIIMS, Raipur
16.	Prevalence of Metabolic Syndrome in tribal and non-tribal population of Patan Block of Chhattisgarh state: A pilot study (Co-Investigator)	Dept. of Physiology, Medicine AIIMS, Raipur
17.	Effect of body fat percentage on NAFLD and its relation with nerve conduction parameters in shift workers	Dept. of Physiology AIIMS, Raipur
18.	Role of Anti-Mullerian Hormone in the diagnosis of PCOS	Dept. of OBS &Gyn AIIMS, Raipur
19.	Assessment of cognitive functions and its association with sleep-wake pattern and light at night exposure duration in COPD	Department of Physiology, AIIMS Raipur
20.	Comparison of inflammatory level of biomarkers in pre-op and post op in cases of femur diaphyseal fracture in a tertiary care centre	Ortho
21.	Evaluation and scoring of cardiovascular autonomic dysfunction in adult patients of sickle cell syndromes attending tertiary healthcare centre in Central India	Physiology
22.	Prevalence of chronic kidney disease among psoriasis patients	Dermatology
23.	A study to correlate hyponatremia with disease activity in systemic lupus erythematosus	General Medicine
24.	Effect of treatment modality on bone health in subjects with Graves disease: comparison between radioactive ablation and long term continuous antithyroid drugs	Endocrinology
25.	Daily versus alternate day dosing of oral ferrous sulphate in patients of iron deficiency anemia: An open label, pilot study	General Medicine
26.	Assessment of vascular endothelial function in patients of depression - a hospital based case control study	Psychiatry
27.	Evaluation of risk factors and serological determinant (anti PGL1) in Lepra Reactions in a tertiary care institute.	Department of Dermatology
28.	Characterisation of hyponatremia in patients of chronic kidney disease of unknown etiology (CKDu) visiting AIIMS, Raipur	Department of Nephrology
29.	Bhcg Concentration In Vaginal Fluid As A Biochemical Marker For Suspected Cases Of Preterm Premature Rupture Of Membranes	Department of Obs. & Gynaec.

30.	Serum high-sensitive C-reactive protein (Hs-CRP) levels as a prognostic biomarker in pregnant women with pre-eclampsia compared to normotensive pregnant women: a prospective cohort study.	Department of Obs. & Gynaec.
31.	Prevalence of Insulin resistance and Metabolic syndrome in Rheumatoid Arthritis and Axial Spondyloarthritis	Department of Medicine
32.	Role of alpha and beta cell secretory function in predicting Hypoglycaemia in patients with Diabetes Mellitus: A hospital-based pilot study	Dept of Medicine, AIIMS Raipur Intramural
33.	Investigating N-acetyl cysteine as an anti-sickling agent in sickle cell disease, Multicentric Study by ICMR; ICMR (Proposal ID: IIRP-2023-4911/F1) 3 years. 2024-2029 1,36,66,662 for period 2024-25,	IISER Kolkata & AIIMS Kalyani ICMR
34.	Adaptive, randomized, active-controlled, open-label, sequential cohort, multi-centre study to evaluate the efficacy, safety, tolerability, and pharmacokinetics of intravenous Cipargamin (KAE609) in adult and Pediatric participants with severe Plasmodium falciparum malaria (KARISMA - KAE609's Role in Severe Malaria) Sub: Protocol CKAE609B12201-Sponsored trial	Dept of Pediatrics, AIIMS Raipur, Sponsored Trial
35.	Randomized, Double-Blinded, Placebo-Controlled study to Evaluate the Safety, Tolerability, and Efficacy of Intravenous Varespladib Followed by Oral Varespladib in Addition to Standard of Care in Subjects Bitten by Venomous Snakes (BRAVIO - Broad-spectrum Rapid Antidote: Varespladib IV to Oral Trial for snakebite) Protocol Number: OPX-PR-03-sponsored:Syneos Health	Dept of Pediatrics, AIIMS Raipur, Sponsored Trial
36.	A multicentre trial evaluating the efficacy and safety of oral decitabine-tetrahydrouridine (NDec) in patients with sickle cell disease. Sponsored by Novo Nordisk (Medicine Dept.)	Dept of Medicine , AIIMS Raipur, Sponsored Trial

Completed

S. No.	Project	Collaborating Department/Institution
1.	A pilot study of ACE(D/t) polymorphisms in COVID-19 positive patients and their healthy contacts	Biochemistry
2.	Association of C-reactive protein with post operative delirium among patients undergoing major abdominal surgery	Anaesthesiology

3.	Effect of body fat percentage on nonalcoholic fatty liver disease and its relation with nerve conduction parameters in health care shift workers	Physiology
4.	Serum levels of interleukin 17 and 25 hydroxy vitamin D in non-segmental vitiligo patients: A case control study	Department of Dermatology
5.	Renal tubular dysfunction in residents of endemic area of CKDU visiting AIIMS Raipur: A pilot study	Department of Nephrology
6.	Diversities in Clinical Profile of Children with Sickle Cell Disease in A Tertiary Care hospital	Pediatrics - Novartis

PUBLICATIONS

1. Sinha, Manisha & Dada, Rima & Patel, Suprava & Mohapatra, Eli & Bagde, Nilaj Kumar & Sinha, Human & Gupta, Sonam. (2024). Incidence of YqMicrodeletion among Chattishgarh Population and Cast based distribution. *National Journal of Clinical Anatomy*. 13. 12-18. 10.4103/NJCA.NJCA_127_23.
2. Chandrakar, Diksha & Patel, Suprava & Wasnik, Preetam & Mohapatra, Eli & Nanda, Rachita & Shah, Seema & Gupta, Dablu. (2024). Effect of Unmetabolized Folic Acid on Immunoinflammatory Markers in Sickle Cell Disease Patients Taking Folic Acid Supplementation. *Indian Journal of Clinical Biochemistry*. 10.1007/s12291-024-01204-0.
3. Patel, Suprava & Chandrakar, Diksha & Mohapatra, Eli & Nanda, Rachita & Shah, Seema & Wasnik, Preetam & Gupta, Ashish Kumar. (2023). Redefining the Reference Interval and Cut-Off Values of the Hematological and Biochemical Parameters and Deriving a Sensitive Predictive Marker for Crisis Events in Sickle Cell Disease. *Indian Journal of Clinical Biochemistry*. 1-15. 10.1007/s12291-023-01158-9.
4. Patel, Suprava & Verma, Neharani & Padhi, Phalguni & Shah, Seema & Nanda, Rachita & Mohapatra, Eli. (2023). An Approach to Re-evaluate the Reference Cutoff of the Parameters of Newborn Screening: An Observational Study. *Cureus*. 15. 10.7759/cureus.45139.
5. Patel, Suprava & Chandrakar, Diksha & Wasnik, Preetam & Nanda, Rachita & Mohapatra, Eli. (2023). Clinical Implication of Changes in Serum Cations and Anions on Clinical Severity in Sickle Cell Disease: A Case-Control Study in a Tertiary Center. *Journal of Laboratory Physicians*. 10.1055/s-0043-1772684.
6. Nanda, Rachita & Gupta, Prishni & Giri, Anjan & Patel, Suprava & Shah, Seema & Mohapatra, Eli. (2023). Antibody titres - Covid 19. *Cureus*. 15. 10.7759/cureus.40543.
7. Patel, Suprava & Chandrakar, Diksha & Wasnik, Preetam & Nayak, Saurav & Shah, Seema & Nanda, Rachita & Mohapatra, Eli. (2023). Altered T-cell profile in sickle cell disease. *Biomarkers in medicine*. 17. 10.2217/bmm-2023-0086.
8. Gupta, Prishni & Mohapatra, Eli & Patel, Suprava & Patnayak, Lisie & Nanda, Rachita & Shah, Seema & Abraham, Jessy & Behera, Ajoy & Jindal, Atul. (2023). Effect of the Angiotensin-Converting Enzyme (ACE) (I/D)

- Polymorphism in COVID-19 Patients and Their Healthy Contacts. *Cureus*. 15. 10.7759/cureus.38610.
9. Nanda R, Gupta P, Giri AK, Patel S, Shah S, Mohapatra E. Serological Evaluation of Antibody Titers After Vaccination Against COVID-19 in 18-44-Year-Old Individuals at a Tertiary Care Center. *Cureus*. 2023 Jun 16;15(6):e40543. doi: 10.7759/cureus.40543. PMID: 37465786; PMCID: PMC10350605.
 10. Mandal S, Spoorthy M, Godi S, Nanda R, Mukherjee B, Mishra NR. Inflammatory Markers in Patients With Major Depressive Disorder: A Prospective, Clinic-Based, Cohort Study From India. *Cureus*. 2023; 15(8): e43059. DOI 10.7759/cureus.4305.
 11. Meher J, Patel S, Nanda R, Siddiqui Md S. Association of Serum IL-17 and IL-23 Cytokines with Disease Activity and Various Parameters of Rheumatoid Arthritis in Indian Patients. *Cureus*. 2023; 15(11): e49654. DOI: 10.7759/cureus.49654
 12. Khandelwal E, Tripathi S, Ingle A, Wasnik PN, Nanda R. Endothelial Dysfunction in Adult Patients of Sickle Cell Disease. *J. Neuroscience and Neurological Surgery*. 2023;13(3); 1-4. DOI:10.31579/2578-8868/272
 13. Panigrahi Divya, Patel Suprava*, Rajbhar Sarita, Padhi Phalguni, Shah Seema, Nanda Rachita, Mohapatra Eli. (2023). Association of Methylenetetrahydrofolate Reductase Gene Polymorphism in Mothers With Adverse Clinical Outcomes in Neonates. *Cureus* 2023, 15(4): e38001. doi:10.7759/cureus.38001
*Corresponding author
 14. Pal A, Shukla A K, Santra A, Galhotra A, Thakur P, Patel S, Singh S, Rajbhar S. Awareness About Folic Acid Supplementation in First-Trimester Pregnant Women of Rural Raipur District, Chhattisgarh, and Its Determinants: A Cross-Sectional Study. *Cureus* 15(6): e40583. doi:10.7759/cureus.40583
 15. Choudhary R, Chhabra N, Patel S. Comparison of serum levels of interleukin 17 and interleukin 9 in leprosy patients with and without lepra reaction: A cross-sectional analytical study from Central India. *Indian J Dermatol*. 2023 68(6):p 661-665. DOI: 10.4103/ijd.ijd_357_23
 16. DabluLal Gupta¹, Subha Gupta¹, Jhasketan Meher², Anjan Giri³, Eli Mohapatra¹, Manisha M.Ruikar³, DN Rao⁴, "Serum levels of antibodies and cross-reactive antibodies against the spike protein variants of SARS-CoV-2 in the vaccinated people and non-vaccinated people who have recovered from natural infection" *RRJMB* 2023, Volume 12.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Year of Publication Edition- Publisher- City of Publication
1.	Dr. Eli Mohapatra	Communication skills	MEU by AIIMS Raipur	MEU	Under publishing
2.	Dr. Eli Mohapatra	Andragogy & Pedagogy	MEU by AIIMS Raipur	MEU	Under publishing

3.	Dr. Rachita Nanda	Electives in Biochemistry	Volume 1	e-hand book on electives - design and implementation	2024 Edition-1 GSMC, FAIMER Mumbai
4.	Dr. Rachita Nanda	Setting up long answer question and short answer question	MEU by AIIMS Raipur	MEU	Under publishing
5.	Dr. Seema Shah	Blueprinting	MEU by AIIMS Raipur	MEU	Under publishing
6.	Dr. Seema Shah	OSPE	MEU by AIIMS Raipur	MEU	Under publishing

Edited Book and Monograph

Book

S. No.	Author(s)	Chapter Title	Book	Edition	City of Publication	Publisher	Year of Publication
1.	Dr. EliMohapatra, Dr. Rachita Nanda, Dr. Suprava Patel, Dr. Jessy Abraham	All chapters	Biochemistry Laboratory Manual	10 th	Raipur	Dept. of Biochemistry	2023

PATIENT CARE

	OPD	IPD	Emergency Tests
Total	1110417	728059	233478

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Prof.(Dr.) Eli Mohapatra Received a fellowship award from the Association of Medical Biochemistry of India at AMBICON 2023.
2. Prof.(Dr.) Eli Mohapatra gave a talk at Akashvani centre Raipur on the topic "Sickle Cell Karan Lakshanaur Upachar".
3. Prof.(Dr.) Rachita Nanda, received FAIMER fellowship award from GSMC Mumbai.
4. Dr. Seema Shah was awarded Fellowship (FIMSA) recognition of International Medical science Academy in 2023.
5. Dr. Seema Shah as Co-Guide: Endocan and 'Dive' Risk Score As Predictors of Peripheral Neuropathy in Type 2 Diabetes Mellitus, Oral paper in 10th ACCLMPCON, Udaipur Feb 2024, 1st Runner up prize (Presented by Dr. Prajna Parimita Jena).
6. Dr. Seema Shah as Co-Guide: Effect of unmetabolized Folic Acid on immunoinflammatory markers in Sickle Cell Disease Patients taking Folic Acid Supplementation, Awarded Best Paper in Tropical Disease category in 49th ACBICON, Thiruvananthapuram, 14th-16th Sept. 2023 (Paper presented by (Dr. Diksha Chandrakar).

DEPARTMENT OF BURNS AND PLASTIC SURGERY

Associate Professor & In-charge

Dr. Jiten Kumar Mishra

Assistant professor

Dr. Shamendra Anand Sahu

HIGHLIGHTS

The Department is managed by two faculties and a few academic residents. The Department are on the tip of the toes to address the needs of the patients of Department and so also patients referred from other clinical Departments. The Department extend a helping hand to other surgical Departments for undertaking reconstruction in cases operated in their operation theatres.

During this academic year, the Department has done hand reimplantation and finger reimplantation. Our MCh residents and faculty have been awarded in competition papers in different CME & Conferences. The Department

operated on Brachial plexus nerve tumor and many complicated cases related to peripheral nerve injuries. The Department has been focusing on reconstruction in extremity trauma cases, cutaneous malignancies, congenital anomalies, burn reconstruction, extremity reconstruction.

The Department is continuously putting effort to achieve excellence in skill, innovation, academics, and research.

The Department has been conducting three special clinics for needy patients.

1. Cleft lip Palate clinic-Every Monday.
2. Post burn deformity -Every Tuesday
3. Brachial Plexus Injury-Every Thursday

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S.No.	Title	CME/Conference	Date	Organized By
1.	Biennial Conference of the Indian Society of Peripheral Nerve Surgery ISPNSCON 2024	Conference	12 - 14.01.2024	Department Of Neurosurgery & Plastic Surgery

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Jiten Kumar Mishra

S.No.	Title	CME/Conference	Date	Organized By
1.	Perforator based propeller flap with additional venous pedicle for lower limb reconstruction; A case series	APSICON, 2023	26 - 30.12.2023	57 th Annual Conference of the Association of Plastic Surgeons of India

2.	Deep fascia condensation mimicking accessory extensor tendon causing snapping of wrist	APSICON, 2023	26 - 30.12.2023	57 th Annual Conference of the Association of Plastic Surgeons of India
3.	Mandible reconstruction	CME on comprehensive management of oral cavity carcinoma	14.10.2023	Head and neck Surgery department AIIMS, Raipur
4.	Evaluation of different modalities on reconstruction of hand defect - an institutional experience	Bimonthly CME	October 2023	Midterm CME of Association of Plastic Aesthetic and reconstructive surgeons of Odisha
5.	Chaired a session in ISPNSCON 2024 at AIIMS, Raipur	ISPNS Conference	14.01.2024	Department of Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral Nerve surgery
6.	Microvascular reconstruction of facial soft tissue defects	CME	24.11.2023	AIIMS Raipur

Dr. Shamendra Anand Sahu

S. No.	Title	CME/Conference	Date	Organized By
1.	Microvascular Reconstruction For Post-Electric Burns Defect Over Scalp And Face In Consultant Category	NABICAON 2024	15 - 17.02.2024	National Academy of Burns of India

ORAL PAPERS/POSTERS PRESENTED

S. No.	Author	Title	Conference	Date	Organized By
1.	Dr. Nikita Birua, Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Motorcycle exhaust pipe burns of lower extremity presenting with complex defects - an increasing trend and reconstruction modalities in a tertiary care center	NABICON2024 Free oral paper	15- 17.02.2024	NABICON 2024 - National Association of Burns India conference - Ranchi, Jharkhand
2.	Dr. Jalaz Rahmi Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Pediced Anterolateral thigh flap: a versatile flap for complex regional defect reconstruction	APSICON, 2024, Free Oral paper	26- 30.12.2023	57 th Annual Conference of the Association of Plastic Surgeons of India
3.	Dr. Jalaz Rahmi Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra AnandSahu	A rare presentation of Popliteal Pterygium syndrome with familial Vander Woude syndrome	APSICON, 2024 Poster	26- 30.12.2023	57 th Annual Conference of the Association of Plastic Surgeons of India
4.	Dr. Jalaz Rahmi Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Anatomical variations of musculocutaneous nerve encountered in management of brachial plexus injuries - our experience and some insights	ISPNSCON, 2024, Free Oral Paper	12- 14.01.2024	Department of Burns and Plastic Surgery and Department of AIIMS Raipur and Neurosurgery Indian Society of Peripheral Nerve surgery
5.	Dr. Abi Sindhuja, Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Experience of posterior approach in brachial plexus injury	ISPNSCON, 2024 Award paper	12- 14.01.2024	Department of Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral Nerve surgery

6.	Dr. Avijith V. Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Functional nerve outcome of peripheral nerve schwannoma : experience of management at tertiary care center	ISPNSCON, 2024 Award paper	12-14.01.2024	Department of Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral Nerve surgery
7.	Dr. Aparajita Saha, Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Adult traumatic brachial plexus injury : our institutional experience	ISPNSCON, 2024 Free Oral Paper	12-14.01.2024	Department of Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral
8.	Dr. Aparajita Saha, Department of Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	A rare case of Malignant peripheral nerve sheath tumor of brachial plexus with diagnostic dilemma	ISPNSCON, 2024 Poster	12-14.01.2024	Nerve surgery Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral
9.	Dr. Abi Sindhuja, Department of Co-authors-Dr. Jiten Kumar Mishra, Dr. Shamendra Anand Sahu	Case report of necrotizing granulomatous inflammatory lesion of ulnar nerve	ISPNSCON, 2024 Poster	12-14.01.2024	Nerve surgery Burns and Plastic Surgery and Department of Neurosurgery AIIMS Raipur and Indian Society of Peripheral Nerve surgery

RESEARCH**Funded Projects****Completed**

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	To study the effect of systemic blood pressure on the perfusion of free flap in cases of head – neck and extremity reconstruction using photoplethysmography.	Dr. Shamendra Anand Sahu	AIIMS RAIPUR	2 year	2022-2024	4,7500.00

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Ongoing**

S. No.	Non-Funded Project
1.	Outcome analysis of adjuvant Radiotherapy after surgical excision in keloids

S. No.	Thesis Project
1.	Analysis of flap sugar as an objective monitoring of intra op flap vascularity following single vein vs double vein anastomosis
2.	Analysis of sensory recovery in neurotized free flaps in cases of head and neck reconstruction
3.	Outcome analysis of split thickness skin graft with Dermal Regeneration Template (Integra) versus direct split thickness skin graft for reconstruction of full thickness burn wounds - a prospective, open-labelled pilot study

PUBLICATIONS

- Mishra JK, Sahu SA, De M, Saha A. Pedicled anterolateral thigh flap: A versatile flap for complex regional defect reconstruction. GMS Interdiscip Plast Reconstr Surg DGPW. 2023 Jul 25;12: Doc04. doi: 10.3205/iprs000174. PMID: 37577728; PMCID: PMC10413255.
- De M, Manju R, Mishra JK, Sahu SA. A Rare Case of Faun Tail Nevus Without Any Underlying Spinal Anomaly. J Cutan Aesthet Surg. 2023 Oct-Dec;16(4):353-354. doi: 10.4103/JCAS.JCAS_115_22. PMID: 38314357; PMCID: PMC10833493.

3. Mishra, J.K., Sahu, S.A. & Rahmi, J.J. Cystic Nodular Subcutaneous Zygomycosis of Finger: an Unusual Presentation. *Indian J Surg* (2023). <https://doi.org/10.1007/s12262-023-03950-6>.
4. Dantis K, Ramchandani R, Sahu SA, Singh VY, Dasgupta S. Primary Cutaneous Adenoid Cystic Carcinoma Of The Chest Wall With Axillary Lymph Node Metastases And Its Management: A Case Report. *Port J Card ThoracVasc Surg*. 2023 Jul 7;30(2):51-54. doi:10.48729/pjctvs.293. PMID: 37418769.
5. Mishra JK, Sahu SA, Bodhey NK, Sindhuja A, V A. Perforator-Based Propeller Flap with Additional Venous Pedicle for Lower Limb Reconstruction. *Indian J Plast Surg*. 2023 Jun 1;56(4):373-377. doi: 10.1055/s-0043-1769113. PMID: 37705822; PMCID: PMC10497330.
6. Giri SK, Choudhury AK, Kanungo AK, Mishra JK, Sahoo S. VERSATILITY OF PERFORATOR-BASED PROPELLER FLAP IN RECONSTRUCTION OF VOLARASPECT OF DISTAL FOREARM, DISTAL LEG & ANKLE DEFECTS - A RETROSPECTIVE ANALYSIS. *Int. J. Adv. Res.* 11(03), 1228-1234 DOI URL: <http://dx.doi.org/10.21474/IJAR01/16557>

PATIENT CARE

	OPD	IPD	Major OT	Minor OT	Tests	Special Clinics
Total	5904	463	371	351	NA	Cleft lip Palate- 154 Post burn deformity -209 Brachial Plexus Injury- 183

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Best Paper Award - Dr. Shamendra Anand Sahu "Microvascular Reconstruction For Post-Electric Burns Defect Over Scalp And Face In Consultant Category" NABICON 15-17.02.2024 at Ranchi, Jharkhand (India)
2. Best paper award - Dr. Abhi Sinduja - "Experience of posterior approach in brachial plexus injury" - ISPNSCON 2024 AIIMS, Raipur.

DEPARTMENT OF CARDIOLOGY

Associate Professor

Dr. Satyajit Singh

Assistant Professors

Dr. Surendra Kumar Naik

Dr. Abhishek Kumar

HIGHLIGHTS

The Department of Cardiology, AIIMS Raipur acquired state of the art-Intravascular Ultrasound (IVUS) with FFR/iFR (fractional flow reserve) with angio co-registration for delineating the plaque characteristics, its morphology along with delineation of functional significance of borderline/ intermediate coronary stenosis. Intravascular lithotripsy (IVL) for percutaneous intervention (PCI) of moderate to heavily calcified coronary stenosis was performed for the first time in AIIMS Raipur. Department of Cardiology was chosen as one of the centres in India for ICMR sponsored NPAC INDIA study for the development, implementation and evaluation of protocolized Cardio-Obstetric Care in improving maternal cardiac, obstetric and fetal outcomes of pregnant women with heart diseases in India. Department of Cardiology has also been chosen as one of the centres for conduct of international multicentric randomized control trial for evaluation of small interference RNA molecule-Lepodisiran for management of elevated Lipoprotein(a) for which no treatment was

available till now. 2023-24 marked the pass out of our first batch of 2 DM Cardiology students of AIIMS Raipur.

EDUCATION

Department of Cardiology, AIIMS Raipur offers 3-year post-doctoral DM Cardiology course to candidates with MD (General Medicine)/ MD (Pediatric Medicine) degree. Annual intake is 2 candidates per year (1 candidate every 6 month). Flipped classroom and unconventional learning experiences (UNCLE) approach have been introduced along with digital / e-learning in a big way to promote self-directed learning and acquire knowledge in recent advances in cardiovascular medicine for the implementation of best practices in our Cardiology ward, ICCU-1, ICCU-II and high dependency unit (HDU). Apart from DM Cardiology residents getting trained in our department, MD Medicine, Pediatrics and Radio-diagnosis junior and senior residents get training in basic echocardiography and are exposed to the management of critically ill cardiac patients in intensive coronary care units.

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Effect of CYP2C19 and P2Y12 genetic polymorphism on platelet aggregation in patients on treatment with clopidogrel in Chhattisgarh Population	Dr. Satyajit Singh (Co-PI)	CoST	2 years	2021	5,00,000
2.	The NPAC-INDIA STUDY	Dr. Satyajit Singh (Co-PI) Dr. Surendra Naik (Co-PI)	ICMR	5 years	2024	1,04,675

DEPARTMENTAL PROJECTS

Non-funded Completed

S. No.	Project
1.	Assessment of right ventricular systolic function by TAPSE and global left ventricular function by Tei index by tissue doppler imaging in patients of hypertension with and without microalbuminuria
2.	Prevalence of left ventricular systolic dysfunction measured by global longitudinal strain (GLS) echocardiography in chronic kidney disease patients with preserved LVEF and its correlation to renal biochemical parameters
3.	Assessment of Left ventricular myocardial performance index (MPI/Tei index) by myocardial tissue doppler imaging (TDI) and its correlation with serum TSH levels and atherogenic index of plasma (AIP) in patients with subclinical hypothyroidism

DEPARTMENTAL PROJECTS

Non-funded Ongoing

S. No.	Project
1.	Detection of subclinical left ventricular dysfunction by global longitudinal strain in diabetic and pre-diabetic patients and its correlation with hs-CRP and HbA1C

COLLABORATIVE PROJECTS COMPLETED (ICMR / STS/ MD/DM Dissertations)

S. No.	Projects	Collaborating Department
1.	Correlation of computed tomographic pulmonary angiography with echocardiographic indices in patients with suspected pulmonary embolism	Dept. of Radiodiagnosis
2.	Assessment of QT interval Prolongation in patients using anti-psychotic drugs over short term: A prospective observational study	Dept. of Psychiatry
3.	A cross-sectional study of cardiac dysfunction in patients of sickle cell disease at a tertiary care hospital of central India	Dept. of General Medicine

PUBLICATIONS

- Deora S, Choudhary R, Kaushik A, **Singh S**, Singh B, Kumar B. Non-invasive assessment of pulmonary congestion in heart failure. Need of the hour. Indian Heart J Jul-Aug 2023; 75(4): 224-28.
- Dasgupta S, Ravina M, Lukose T, Bansal M, Krishna S, Kote R, **Singh S**. Association between Right ventricle ejection fraction calculated by first pass radionuclide ventriculography and surrogate markers of right ventricular function assessed by echocardiography in dilated cardiomyopathy patients - a comparative study. Journal of Nuclear Medicine June 2023; 64 Supplement 1: 1252.
- Saha A, Kumar A, **Singh S**, Somani A. QT interval Prolongation due to use of anti-psychotic drugs over short term: A prospective observational study. Indian J of Psychiatry. January 2024; 66 supplement 1:S15.

PATIENT CARE

- The Department of Cardiology has 30 bedded indoor facility in 3rd floor of block B1 of AIIMS Raipur hospital building. It has 10 bedded

Coronary care unit (CCU) with state of the art central monitoring system in 4th floor of C block, and 4 bedded high dependency unit (HDU). Patients of myocardial infarction, heart failure, cardiomyopathies, valvular heart disease, atrial and ventricular arrhythmias, pericardial diseases, and cardiac masses are admitted and managed.

- The Department of Cardiology has state of the art - Cardiac catheterization lab in the 4th floor of C block of hospital building where invasive cardiac procedures (diagnostic and therapeutic) are carried out.
- The Department has state of the art real-time 3D echocardiography with speckle tracking imaging and tissue doppler imaging (TDI).
- The non-invasive lab has MEDILOG Darwin Holter monitoring system and 24 hour Ambulatory blood pressure monitoring system (ABPM).
- The Cardiology Department's Cardiac catheterization lab has state of the art 3D-Optical Coherence Tomography (OCT) with real-time angio-coregistration with FFR and Intravascular ultrasound (IVUS) with real-time angio-coregistration with FFR/iFR.

Total OPD consultations / IPD	25654 / 1526
ECG done in Non-invasive Lab	15607
Echocardiography	11503
Transesophageal echocardiography	43
Bubble Contrast echocardiography	05
Exercise TMT	33
Holter	65
Emergency Pericardiocentesis	21
Coronary Angiography	763
Coronary Angioplasty+Stenting	285
Cath Study	04
Permanent pacemaker implantation	57
Temporary pacemaker implantation	74
Cardiac Resynchronization Therapy	7
AICD implantation	10
POBA	7
Coarctoplasty for Coarctation	2
Device Closure (ASD/VSD/PDA)	8
Balloon mitral valvotomy	3
DC Cardioversion	7

DEPARTMENT OF CARDIOTHORACIC AND VASCULAR SURGERY

Additional Professor and Incharge

Dr. Nitin Kumar Kashyap

Assistant Professors

Dr. Gaiind Kumar Saurabh

Dr. Mehsare Pranay Suresh

Dr. Nirupam Sekhar Chakraborty

HIGHLIGHTS

Department of Cardiovascular and Thoracic Surgery is providing OPD, IPD as well as 24x7 days emergency services. The Department is performing all adult cardiac surgeries like Coronary artery bypass grafting, Valve replacement, Tetralogy of Fallot, Acynotic congenital heart disease, Aortic root enlargement. Thoracic surgeries - Decortication, Lung resections, chest wall and lung tumor resection. Vascular Surgeries- aneurysmal repair, bypass grafting, AV fistula construction, emergency embolectomy. We have started uniportal Video-Assisted Thoracoscopic Surgery for inflammatory as well as in Cancer cases. The Department has started dedicated Pediatric and neonatal cardiac Surgeries from 2021, including acynotic, cyanotic, all complex congenital surgery. The Department

has dedicated 11 bedded fully equipped CTVS ICU and 4 bedded step-down ICU with 25 bedded CTVS ward as well as one isolation room facility for patient. The Department has started high end fully equipped dedicated CTVS ICU facility in 4th floor C block. ECMO facility started for end stage heart failure, DCMP, severe Left Ventricular failure, also for pediatric cardiac cases to support the failing heart. Started facility for cardiac tissue transplant.

EDUCATION

Started 6 years MCH CTVS super-specialty programme from 2023 with intake of 2 seats per year. First candidate of 3 years MCH CTVS programme has successfully completed the course in July 3023. We are continuing PDCC Pediatric Cardiac Critical Care course along with Department of Pediatric and cardiology with intake of 2 seats per year.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Mitral valve repair or replacement	CME on valvular heart disease	01.04.2023	Department of Cardiothoracic Surgery, AIIMS Raipur

2.	Technique training on monitoring of cleaning and sterilization process	Workshop on CSSD	15.07.2023	CTVS Department & Hospital administration, AIIMS Raipur.
3.	National level conference cum workshop - certificate of internal auditor	CIACON	27-29.04.2023	CTVS Department & Hospital Administration, AIIMS Raipur.
4.	Valvular heart disease: managing heart failure in vhd (mechanical or bioprosthetic valve)	CME on Valvular Heart Disease and allied Science	15.07.2023	CTVS department & Chhattisgarh CTVS forum
5.	Needle technology innovation in ctvs and sternal closure device	CME	17.01.2024	ETHICON and CTVS Department, AIIMS, Raipur.
6.	Tips and tricks of electrocautery	CME	19.03.2024	JOHNSON AND JOHNSON and CTVS Department, AIIMS, Raipur.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nitin Kumar Kashyap

S. No.	Title	CME/Conference	Date	Organized By
1.	Central line bundle care	HICC workshop	21.03.2024	HICC, AIIMS, Raipur
2.	National level conference cum workshop-certificate of internal auditor	CIACON	27-29.04.2023	CTVS Department & Hospital administration, AIIMS, Raipur.

Dr. Nirupam Chakraborty

S. No.	Title	CME/Conference	Date	Organized By
1.	Mitral Valve Repair or Replacement	CME on Valvular Heart Disease	01.04.2023	Department of Cardiothoracic Surgery, AIIMS Raipur
2.	Talk on Valvular Heart Disease: managing Heart failure in VHD (Mechanical or Bioprosthetic Valve)	CME on Valvular Heart Disease and allied Science	15.07.2023	The Chattisgarh CTVS forum

Dr. Gaiind K Saurabh

S. No.	Title	CME/Conference	Date	Organized By
1.	Talk on Inflammatory Myofibroblastoma: A Surgical Challenge	CME on Valvular Heart Disease and Allied Science	15.07.2023	The Chattisgarh CTVS forum

Dr. Pranay S Mehsare

S. No.	Title	CME/Conference	Date	Organized By
1.	Management of Chest Trauma	Faculty ITBP training	24.07.2023	Trauma and Emergency Department, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr. Nitin K Kashyap	E-Poster- Safety and reliability of two suture technique in mitral valve replacement.	IACTSCON 2024	09.02.2024	IACTS
2.	Dr. Gaiind K Saurabh	Free Paper- Intestinal perforation secondary to mucormycosis in a infant with postoperative ventricular septal defect closure- a rare but dreaded complication: Case report	IACTSCON 2024	09.02.2024	IACTS
3.	Dr. Gaiind K Saurabh	E-poster: Giant hydatid cyst of Lung: management	IACTSCON 2024	10.02.2024	IACTS
4.	Dr. Pranay Mehsare	E-Poster: The comparison of intercostals and subxiphoid left pleural drain in patients operated with CABG: A systemic review and meta-analysis	IACTSCON 2024	10.02.2024	IACTS

RESEARCH

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Clinical Experience With The Miltonia Valve: Performance of New Bileaflet Mechanical Prosthesis in Mitral Valve Replacement

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Effect of Yoga based lifestyle changes on epicardial fat thickness, carotid intima media thickness, pulse wave velocity, VO2 max and anthropometric parameters in obese young adults	Department of Physiology and AYUSH

PUBLICATIONS

- Saurabh G, Chakraborty N, Ghosh S, Kashyap NK, Mehsare P, Ghosh Jr S. Extrapleural Intrathoracic Hydatid Cyst: A Rare Cause of Upper Limb Neuropathic Pain. *Cureus*. 2023 Dec 26;15(12).
- Wasnik M, Lahare S, Chandrakar R, Kashyap NK. (March 27, 2024) A Study of A1 and A2 Subtypes Among Whole-Blood Donors With Blood Groups A and AB at the Blood Center of a Tertiary Care Institute in Chhattisgarh. *Cureus* 16(3): e57013. doi:10.7759/cureus.57013
- Kashyap N, Mehsare P, Saurabh G, et al. (July 14, 2023) Central Aortic Cannula Disruption Following Left Atrial Myxoma Excision. *Cureus* 15(7): e41908. doi:10.7759/cureus.41908
- Thakur S, Kashyap N, Saurabh G, et al. (June 30, 2023) Evaluation of the Efficacy of a Digital Chest Drainage System in Traumatic Pneumothorax. *Cureus* 15(6): e41188. doi:10.7759/cureus.41188
- Ingle A S, Kashyap N, Trivedi S, et al. (March 09, 2022) Assessment of Body Fat Percentage Using B-Mode Ultrasound Technique versus Skinfold Caliper in Obese Healthy Volunteers. *Cureus* 14(3): e22993. doi:10.7759/cureus.22993.
- Sahu K, Kashyap N et al Midterm outcome of femoro-femoral Crossover bypass graft. *Pak Heart J*2024;57(01)ISSN:0048-2706E-ISSN: 2227-91992.
- Surgically challenging inflammatory myofibroblastoma: a rare neoplasm of lung - accepted for publication in *Asian cardiovascular and thoracic annals*.
- Safety and reliability of two-sutures technique in Mitral valve replacement surgery - Accepted for Publication in *Cureus Medical Journal*.

PATIENT CARE

	OPD	IPD	Major OT	Minor OT
Total	7599	562	301	125

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. **Dr. Nitin Kumar Kashyap**
 - a. Felicitation for Kayakalp Prize winning by AIIMS, Raipur.
 - b. Awards from National Health Mission for Ayushman Bharat Yojna scheme implementation.

DEPARTMENT OF CLINICAL HEMATOLOGY

Assistant Professor

Dr. Saroj Bala

HIGHLIGHTS

The Department is handling Hematology OPD/IPD/Daycare/Referrals and also involved in Sickle clinic in association with General Medicine. The Department had organised a State level conference on Acute Leukemia in collaboration

with Medical Oncology Department. The Department conducted awareness programme on Hemophilia day in association with Pediatrics department. The Department celebrated World Cancer day by conducting an awareness programme in association with Department of Medical Oncology.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Conference on Acute Leukemia	State Conference	02.09.23	Department of Hematology/ Medical oncology

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Saroj Bala

S. No.	Title	CME/Conference	Date	Organized By
1.	Management of ITP in Pregnancy	64 th Annual Conference of ISHBT	02.10.23- 05.10.23	ISHBT (Indian Society of Hematology & Blood Transfusion)
2.	How I Treat APML	State Level conference on Acute leukemia	02.09.23	Department of Hematology, Medical oncology and General Medicine, AIIMS, Raipur

PUBLICATIONS

1. Pankaj P, Panda CK, Karim HMR, **Bala S**, Bidwaikar A. Ischemic stroke as the presenting feature for Non - Acute Promyelocytic Leukemia variant of Acute myeloid Leukemia: A case report. Cureus 2023 Jun; 15(6): e41083.
2. Khandelwal V, **Bala S**, Sharma S. A Rare Systemic Fungal Infection (Cladophialophora) masquerading Invasive Candidiasis in a Patient with B-Acute Lymphoblastic Leukaemia. ICAJ May 2023;2:1-3.

PATIENT CARE

	OPD	IPD+Daycare
Total	7262	1785

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Elected as Executive committee member of Indian Society of Hematology and Blood transfusion from C.G.

DEPARTMENT OF COMMUNITY AND FAMILY MEDICINE

Professor and Head

Prof. Dr. Manisha Ruikar

Professor

Prof. Dr. Abhiruchi Galhotra

Additional Professors

Dr. Gouri Kumari Padhy

Dr. Anjali Pal

Dr. Anjan Kumar Giri

Associate Professor

Dr. Arvind Kumar Shukla

Assistant Professors

Dr. Ashish Wasudeo Khobragade

Dr. Amit Kumar Mishra

Dr. Aditi Chandrakar

Dr. Ashwini Katole

HIGHLIGHTS

The Lifestyle Modification Clinic of AIIMS Raipur was started by the Department of Community and Family Medicine (CFM) on 5th November 2023. Since then till 31st March 2024, total 646 beneficiaries attended the Lifestyle Modification Clinic.

Faculties from CFM Department participated as resource persons of the Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur; during 26th to 28th March 2024.

At All India Institute of Medical Sciences Raipur, as per the directives from Ministry of Health and Family Welfare, Government of India; Department of Community and Family Medicine was made the Nodal Department for coordinating outreach activities as a part of Viksit Bharat

SankalpYatra. CFM Department participated in 13 urban health camps under Viksit Bharat SankalpYatra and total footfall was 2245 beneficiaries.

2023 being the 'International Year of Millets (IYoM)', to observe the 'Poshan Maah 2023'; nutrition education sessions on the importance of millets were organized at the Urban Health Training Centre (UHTC) and Urban Field Practice Area (UFPA) of AIIMS Raipur. Different millets were displayed along with nutritive values as well as mention of respective nutritious dish. Interactive sessions were followed by the demonstration of a nutritious recipe using multi-millets.

Faculties from CFM Department participated as resource persons of the Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur; during 26th to 28th March 2024.

Population-based screening (PBS) was conducted at Urban Field Practice Area for Non-communicable diseases and total 784 urban slum dwellers were screened.

On various occasions as well as on different topics, interactive health educative sessions were organized in different schools at Urban Field Practice Area like Mahatma Gandhi School (World Rabies Day), Asaram School (World Mental Health Day), JMD School (World AIDS Day), Sanjivan School (Menstrual & genital hygiene and cervical cancer awareness). The activity on World Rabies Day was registered at the Global Alliance for Rabies Control portal.

Global Hand washing Day, Breast Cancer Awareness month, World Cancer Day World Leprosy Day and World TB Day were observed at Urban Field Practice Area of AIIMS Raipur.

World Rabies Day, Breast Cancer Awareness Day, World Diabetes Day, World AIDS Day, World Pneumonia Day, World Obesity Day, World Oral Health Day and World TB Day were observed at Civil Hospital, Kurud i.e. Rural Health Training Centre (RHTC) of AIIMS Raipur. On World TB Day anti TB pledge, signature collection and food baskets distribution to TB patients was done in collaboration with NGO Piramal foundation. The distribution of oral hygiene products (toothbrush, toothpaste and mouthwash) was also done on World Oral Health Day.

Interactive health education sessions were conducted frequently on Family Planning, ANC Care, Breastfeeding, Importance of MCP Card, Sanitation barrier and prevention of infectious diseases, Importance of hand hygiene, Prevention and control of non-communicable diseases, Healthy ageing etc. amongst patients at RHTC, Kurud.

Throughout the year two days interactive nutrition education activity was conducted using flipbook every fortnightly at Nutrition Rehabilitation Centre at Kurud amongst mothers

of admitted children emphasizing on importance and proper technique of breastfeeding, complementary feeding and importance of WASH in context of vicious cycle of infection and under nutrition.

On various topics, interactive health education sessions were organized in different schools at Rural Field Practice Area (RFP) like Swami Atmananda Excellent English Medium School (Firecrackers safety and fire injury prevention), Government Girls School (Integrated session on Menstrual hygiene education for all classes and Study strategies & career counselling for Grades 9-12) and Jawahar Navodaya Vidyalaya (Harmful effects of tobacco and use of life skills to avoid inculcating the bad habit)

Under Viksit Bharat Sankalp Yatra, health camp was conducted on 26th December 2023 at Vikaskhand village in Rural Field Practice Area of AIIMS Raipur.

Throughout the year periodically health education was given to the workers of Rice Mill at Rural Field Practice Area of AIIMS on various topics like Personal protection, Enhancing workplace safety, Basic first aid, Harmful effects of tobacco, Mental health etc.

Various health educative sessions were organized during visits to different Ayushman Arogya Mandirs, Anganwadi Centres, Haat Bazar Clinics, and Village Health and Sanitation Days in Rural Field Practice Area of AIIMS Raipur.

EDUCATION

Different participatory methods of teaching like field visit, family study, case presentation, role play, preparation of health educative material, group health educative activity for urban slum dwellers, group discussion, group exercise, quiz, seminar, tutorial etc. are used for undergraduate teaching.

For postgraduate teaching; journal club, seminar, public health update, book review,

clinico-social case presentation, workshops, book reading session, statistics lecture, group discussion, group exercise, thesis review are periodically conducted.

ACADEMIC DEVELOPMENT

All faculty members, senior residents and junior residents consistently update their academic knowledge by participating in various academic proceedings like IPHACON 2023, EFICON 2023, PREVENCON 2023, IAPSMCON 2024, APRICON 2023, International hybrid conference on Preventive & Promotive Health, International Tuberculosis Conclave 2023, Team approach for reducing risks for NCDs in the Community settings, Training of Medical Officers on Leprosy, Workshop on Medical Education Technology, National Symposium on Diabetes Mellitus, Update on TB CME, U-WIN portal training, Sensitization Workshop on Strengthening Zoonotic Diseases Surveillance and Data Integration for Public Health Resilience, Foundation Course in Research Methodology for Postgraduate and PhD students, Training on Prevention, Control and Treatment of Rabies and Zoonotic diseases, Newer Vaccines, Data management in Public Health Research, Workshop under National Rabies Control Programme, Elements of Research Process, Hands-

on workshop on Infection Control practices, Comprehensive Oral Cancer Management, Artificial Intelligence in Physiology and Healthcare, Mixed Methods Research in Yoga, Capacity Building in Systematic Review, Mastering Manuscript Writing: Essential Techniques and Strategies, Bibliometric Analysis, Epidemiology and biostatistics fundamentals, Systemic Review and Meta-analysis, Harnessing digital health advancements, Foundation course for leadership in public health, International Course on Public Health Approaches to Noncommunicable Diseases, Tribal health sensitization programme, HEARTS of NCD: An integrated approach to management of noncommunicable diseases in primary health care, Binary & Multinomial Logistic Regression hands-on with JAMOVI, Community Hands On Cardiopulmonary Resuscitation (HOCPR) Program, Consultation Models in Healthcare, Qualitative Methods in Health Research, Diabetes Mellitus- Access to care], and by being a reviewer of journals.

CFM Junior Residents enthusiastically participated in competitions at the National level such as National Quiz conducted by IACFM 2023 and National Microteaching Competition at IAPSMCON 2024.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Verbal Autopsy (VA) Training under MINEr-VAAIIMS, New Delhi & ORGI, New Delhi	Training of SRS supervisors and field staff of Directorate of Census Operations (DCO), Chhattisgarh at Naya Raipur	24.07.2023	Department of Community and Family Medicine, AIIMS, Raipur & DCO Chhattisgarh
2.	Verbal Autopsy (VA) Training under MINErVA project AIIMS, New Delhi & ORGI, New Delhi	Training of SRS supervisors and field staff of Directorate of Census Operations (DCO), Madhya Pradesh and Chhattisgarh at Bhopal	18.03.2024 & 19.03.24	Department of Community and Family Medicine, AIIMS, Raipur & DCO

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Prof. Dr. Manisha Ruikar**

S. No.	Title	CME/Conference	Date	Organized By
1.	Verbal Autopsy (VA) Forms	Training of SRS supervisors and field staff of Directorate of Census Operations (DCO), Chhattisgarh at Naya Raipur	24.07.2023	Department of Community and Family Medicine, AIIMS, Raipur & DCO Chhattisgarh
	Writing a good Narrative during VA			
	VA app			
2.	Verbal Autopsy (VA) Forms	Training of SRS supervisors and field staff of Directorate of Census Operations (DCO), Madhya Pradesh and Chhattisgarh at Bhopal	18.03.2024 & Field Visit on 19.03.2024	Department of Community and Family Medicine, AIIMS, Raipur & DCO Madhya Pradesh
	Writing a good narrative during VA			
	Evaluation & Critique of VA narratives			
	VA app			
3.	Measures of disease frequency	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	26.03.2024 to 28.03.2024	AIIMS, Raipur
4.	Descriptive study designs			
5.	Designing data collection tool/ CRF			
6.	How to write thesis protocol			

Dr. Anjan Kumar Giri

S. No.	Title	CME/Conference	Date	Organized By
1.	Team approach for reducing risks for NCDs in the Community settings	National Webinar	20.04.2023	College of Nursing, AIIMS, Raipur

2.	IEC and Counselling in Leprosy	Training of Medical Officers on Leprosy	13.06.2023	Regional Leprosy Training and Research Institute (RLTRI), Raipur
3.	Key Symptoms	Training of DCO supervisors and field staff on VA	24.07.2023	Directorate of Census (DCO), Operations Naya Raipur
	Communication and interviewing skills			
	VA app			
4.	Importance of AEFI surveillance and AEFI surveillance system in India	Workshop on Learning of Covid -19 vaccination in RI	27.07.2023	WHO Raipur & Dept of Paediatrics, AIIMS, Raipur
5.	Item Analysis	Workshop on Medical Education Technology	26.09.2023	MEU, AIIMS, Raipur
6.	Dealing Diabetes: Beyond pills and shots	National Symposium on Diabetes Mellitus	20.11.2023	Dr. B C Roy Multispecialty Medical Research Centre (BCRMMRC), IIT Kharagpur
7.	Key Symptoms	Training of DCO supervisors and field staff of Madhya Pradesh & Chhattisgarh on VA	18.03.2024 & Field Visit on 19.03.2024	Directorate of Census Operations (DCO), Bhopal and Dept. of CFM, AIIMS, Raipur at Bhopal
	Communication and interviewing skills			
	Evaluation & Critique of VA narratives			
	VA app			
8.	Formulation of research question, hypothesis and objectives	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	26.03.2024	AIIMS, Raipur
9.	Tuberculosis: Burden, Epidemiology & Prevention	Update on TB CME	30.03.2024	Pulmonary Medicine, AIIMS, Raipur

Dr. Arvind Kumar Shukla

S. No.	Title	CME/Conference	Date	Organized By
1.	Inferential and descriptive statistics	State Level Conference	03.02.2024	SDMG Nursing College, Kabirdham
2.	Types of data, levels of measurements Types of variables, functional relationships	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	27.03.2024	AIIMS, Raipur
3.	Sample size for various study designs			

Dr. Ashish Wasudeo Khobragade

S. No.	Title	CME/Conference	Date	Organized By
1.	Vaccines under research	CME	08.12.2023	AIIMS Raipur Weekly Academic Meeting
2.	Errors, Bias and Confounding	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	27.03.2024 & 28.03.2024	AIIMS, Raipur
3.	Basics of SPSS Statistical Software			

Dr. Amit Kumar Mishra

S. No.	Title	CME/Conference	Date	Organized By
1.	State Level Training on Prevention, Control and Treatment of Rabies and Zoonotic diseases under NRCP & NOHP-ZD	Training Services	11.10. 2023	Directorate of Health
2.	Newer Vaccines	CME	08.12.2023	AIIMS, Raipur Weekly Academic Meeting
3.	Data management in Public Health Research	Workshop	09.12.2023	41 st IAPSMCON Odisha State Branch Conference

4.	District level training cum workshop under National Rabies Control Programme	Training	13.12.2023	District Surveillance Unit, Baloda Bazar
5.	Elements of Research Process	State Level Conference	03.02.2024	SDMG Nursing College, Kabirdham
6.	Experimental study design	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	26.03.2024	AIIMS, Raipur
	How to prepare and use an excel sheet			

List of oral papers /posters Presented

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Abhiruchi Galhotra, Sakthi Das, Arvind K Shukla	Nutritional Assessment and Association of Malnutrition with Food Insecurity among Adolescent Females of Age 15-19 years in an Urban Slum of Raipur City	51 st Annual National Conference of Indian Association of Preventive & Social Medicine 2024 (IAPSMCON 2024)	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
2.	Anjali Pal	Out of Pocket expenditure on post-exposure prophylaxis of Rabies in India- A Review	APCRICON 2023	08.07.2023 & 09.07.2023	Department of Community Medicine, Dr Ram Manohar Lohia Institute of Medical Sciences, Lucknow
3.	Anjan Kumar Giri, Pathak V K, Panigrahi S, Jose H, Prasad R	Effect of COVID on Mental Health: A Cross sectional web-based study among post COVID patients after their discharge from a tertiary care hospital of central India	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore

4.	Ashish Wasudeo Khobragade, Karpaga Priya P	Sleep hygiene among medical students and doctors in a medical college in India: A cross-sectional study	IAPSMCON2024	09.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
5.	Amit Kumar Mishra, Arvind Kumar Shukla, M. Manikandan	Forecasting the suicides and accidental deaths in India: A time series analysis of preventable mortalities of India	68 th Annual National Conference of Indian Public Health Association (IPHACON-2024)	15.03.2024 to 17.03.2024	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
6.	Aditi Chandrakar	Tobacco prevalence and its psychosocial determinants among school going adolescents of Raipur city Chhattisgarh: A Cross Sectional Study	4 th Annual Conference of Epidemiological Foundation of India (EFICON 2023)	30.09.2023 to 01.10.2023	Department of Community Medicine, Goa Medical College, Bambolim Goa
7.	Aditi Chandrakar	A Study on Career Decision Making Among Higher Secondary School Students of Raipur City: A Cross Sectional Study	68 th Annual National Conference of Indian Public Health Association (IPHACON-2024)	15.03.2024 to 17.03.2024	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
8.	Ashwini Katole, Gouri Padhy	Bottlenecks in Implementation of National programme for prevention and control of cancer, diabetes, cardiovascular diseases and stroke	4 th Annual Conference of Epidemiological Foundation of India (EFICON 2023)	30.09.2023 - 01.10.2023	Department of Community Medicine, Goa Medical College, Bambolim Goa
9.	Ashwini Katole	Prevalence and risk factors for domestic violence against infertile women in a central India	IAPSMCON2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore

10.	Anupriya Jha, Aditi Chandrakar	A comparative study of National Family Health Survey-4 & National Family Health Survey-5 of nutritional indicators in Chhattisgarh	4 th Annual Conference of Epidemiological Foundation of India (EFICON 2023)	30.09.2023-01.10.2023	Department of Community Medicine, Goa Medical College, Bambolim Goa
11.	Abhisikta Bose, Gouri Kumari Padhy	A study to assess difference in medication adherence with use of a newly designed medicine calendar in patients with chronic diseases: a non-randomized before and after study without control	IAPSMCON2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
12.	Nistha Rutam Dash, Anjali Pal, Archismita Santra	A Qualitative Study about perceptions of family planning among women aged 18 to 49 years and healthcare providers in Raipur, India	68 th Annual National Conference of Indian Public Health Association (IPHACON-2024)	15.03.2024 to 17.03.2024	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
13.	Suchismita Ghosh, Anjan Kumar Giri, Manisha Ruikar	Prevalence of health risk behaviour and associated life skills among adolescents in urban Raipur	PREVENCON 2023 INTERNATIONAL HYBRID CONFERENCE	13.04.2023	Department of Community Medicine, Government Medical College, Omandurar Govt. Estate, Chennai
14.	Dr Kota Sharanya, Manisha Ruikar	Assessment of Health Promoting Physical Environment in Schools of Raipur City	IAPSMCON 2024	10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore

15.	Dr Sylvia George, Anjan Kumar Giri, Satyaki Ganguly	Prevalence of disability at presentation and identifying the geographical hot-spots of new cases of Hansen's disease in Chhattisgarh	IPHACON 2023	08.04.2023	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
16.	Sylvia George, Anjan Kumar Giri	The quality of online news reports on violence against health workers in India	IAPSMCON 2024	08.02.2024 to 10.02.2024	IAPSM Department of Community Medicine, Kasturba Medical College, Mangalore
17.	Jyoti Pradhan, Aditi Chandrakar, Anjali Pal	Prevalence of health risk behavior and associated comorbidities in India and Chhattisgarh: comparative study from NFHS survey	IPHACON 2023	07.04.2023 to 09.04.2023	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
18.	Jyoti Pradhan, Arvind Shukla, Anjali Pal	A study of awareness regarding harmful effects of tobacco consumption among an urban population in Raipur	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
19.	Sashikanta Tripathy, Amit Kumar Mishra, Manisha Ruikar	Forecasting of Dengue cases & deaths in India: an application of auto regressive integrated moving average model	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
20.	Sagar K S, Arvind Shukla, Abhiruchi Galhotra	Mortality trends of RTA due to human errors in Chhattisgarh and India (2016-2022)	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Mangalore

21.	Abhishek Rath, Anjali Pal	Mortality trends in Indian prison and its associated risk factors: A time trend analysis from 2017-2021	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
22.	Arya VR, Anjan Kumar Giri	Prevalence and factors associated with treatment-seeking behaviour of diarrhoea among children under five in India	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
23.	Aswanth, Amit Kumar Mishra	Will India able to bend the curve? TB India 2025	IAPSMCON 2024	08.02.2024 to 10.02.2024	Department of Community Medicine, Kasturba Medical College, Mangalore
24.	Chetna Samal, Manisha Ruikar, Gouri KumariPadhy	m-health innovation in strengthening maternal health	IPHACON 2024	16.03.2024	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh
25.	Anindita Biswal, Anjali Pal	Suicide trend analysis for last 7 years	IPHACON 2024	16.03.2024	Department of Community Medicine, IGMC Shimla & SLBSMS, Mandi, Himachal Pradesh

RESEARCH

Funded Projects

Ongoing

S. No.	Title	Name of PI	Funded by	Duration	Start year-End year	Fund (Rs.)
1.	National Mental Health Survey - 2	Prof. Dr Manisha Ruikar	NIMHANS	2 years	Start year -2023	94,44,000/-

2.	MINerVA (Mortality in India Established through Verbal Autopsies) Network - A Joint Initiative of Registrar General of India and AIIMS, New Delhi.	Prof. Dr Manisha Ruikar	Govt. of India	Indefinite	Start year -2018	2,55,150/- (Second release of fund) Activity based long term release of funds for years to come
3.	Assessment of continuum of care for Hypertension and Diabetes in India - 01 February - 31 May	Prof. Dr Abhiruchi Galhotra	NCDIR-ICMR, Bengaluru	One Year	April 2023- April 2024	6,00,000/-
4.	Effectiveness of a self-sustaining model of Behaviour Change Communication (BCC) interventions delivered through school going students to their parents on prevention of non-communicable diseases - A Study in the Urban Field Practice Area of AIIMS, Raipur	Dr Anjan Kumar Giri	AIIMS, Raipur	1 year	2019 continuing	5,00,000/-
5.	Capacity building and framework development for SARI burden estimation and forecasting in India	Site PI: Dr Amit Kumar Mishra	ICMR NIE Extramural	4 years	2023	7,10,42,388/- for four sites

Departmental Projects (Including thesis/dissertations)

Ongoing

S. No.	Project
1.	Assessment of quality of life and factors associated with it among post-menopausal women in a tertiary care hospital in Raipur, Central India
2.	Forecasting the suicides and accidental deaths in India: A time series analysis of preventable mortalities of India
3.	Coverage of NikshayPoshanYojana (NPY) - a direct benefit transfer scheme for Tuberculosis patients in Raipur District, Chhattisgarh
4.	Assessment of health promoting status of schools in Raipur city
5.	Study of cardiovascular risk assessment among population using WHO ISH risk chart in an urban area of Raipur
6.	Factors influencing nonadherence to multi-drug therapy and effect of electronic message-based health education in improving adherence among the patients with Hansen's disease in AIIMS Raipur

7.	Assessment of Implementation of National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular diseases & Stroke (NPCDCS) in Dhamtari district of Chhattisgarh
8.	A Study of knowledge, attitude, and practices regarding Road Safety among people at Blackspots in one block of Raipur District (CG)
9.	Study on the effects of health education on oral healthcare in school students of Raipur
10.	Prevalence & Determinants of ARI & Diarrhoea in an urban slum of AIIMS, Raipur
11.	Dietary practices among type 2 diabetes mellitus patients residing in an urban slum of Raipur.
12.	Prevalence and determinants of substance abuse among late adolescent boys (15 to 19 years) in urban slums of Raipur city, Chhattisgarh
13.	Assessment of Implementation of Indian Hypertension Control Initiative I in one block of Raipur District
14.	Quality of Life among Diabetic and Hypertensive patients attending Ayushman Arogya Mandir (Sub Health Centre) for follow up in a block of Raipur district
15.	A study on food safety practices and its determinants among street food vendors in Raipur city
16.	Prevalence of Stress, anxiety, depression among married female of age group 18-45 years in urban slums of Raipur
17.	Assessment of District Mental Health Programme in Raipur district of Chhattisgarh
18.	Prevalence and determinants of overweight and obesity among the children and adolescents aged 5 to 19 years in an urban slum of Raipur, Chhattisgarh
19.	Assessment of drinking water quality in urban slums of Raipur city, Chhattisgarh: A cross-sectional Study
20.	Assessment of implementation of Rashtriya Kishor Swasthya Karyakram in one block of Raipur district
21.	Utilization of mother and child protection card among beneficiaries in urban field practice area of a medical institution: a cross sectional study
22.	Prevalence of high-normal blood pressure, hypertension and related risk factors among undergraduate medical students in Raipur City: A cross-sectional study
23.	A Study on Evaluation of Municipal Solid Waste Management and Pilot Testing of Developed Tailor-Made Digital Programme for Improving Household Waste Segregation in Raipur City of Chhattisgarh: A Mixed-Method Approach
24.	Assessment of availability of free diagnostic services and practice related to segregation of bio-medical waste generated during diagnostic procedures in public health facilities of Chhattisgarh.
25.	Laboratory Testing of Milk & Milk Products, Edible Oil and Spices for Identification of Adulterants and Assessment of Consumers' Knowledge of Food Adulteration & its effect on Human Health in Raipur City of Chhattisgarh

Completed

S. No.	Project
1.	Effect of Health Education Intervention on Reducing Sedentary Screen Time in children under 5 years: Cluster Randomized Control Trial
2.	Effect of COVID on Mental Health: A Cross sectional web-based study among post COVID patients after their discharge from AIIMS, Raipur, Chhattisgarh
3.	Assessment of transmission dynamics and epidemiological determinants of COVID 19 in a tertiary care teaching hospital of India through analysis of contact tracing investigations
4.	Out-of-pocket expenditure on health care among people residing in urban slum dwellers in a city of Chhattisgarh India
5.	Sleep hygiene among medical students and doctors in a medical college in Chhattisgarh, India
6.	Prevalence of Health Risk Behavior and associated Life Skills among 15-19 years of Adolescents in Urban Field Practice Area of AIIMS Raipur
7.	Assessment of functioning of Health and Wellness Centres in the Rural Field Practice Area of Medical Institution at Raipur
8.	Nutritional Assessment of Adolescent Females of Age 15-19 years in an Urban Slum of Raipur City
9.	A study to assess prevalence and determinants of maternal depression in an urban slum of Raipur
10.	Estimation of Out-of-Pocket Expenditure for healthcare among under-five children of an urban slum in Raipur City
11.	Assessment of Nutritional Status and Role of Parents in Rehabilitation of Under Five Children During Home Based Management after Discharge from Nutritional Rehabilitation Centres of Raipur District

Collaborative Projects**Ongoing**

Sr. No.	Project	Collaborating Department/ Institution
1.	National Mental Health Survey - 2 (Principal investigator from CFM Department)	NIMHANS, Bengaluru Directorate of Health Services, Chhattisgarh Department of Psychiatry, AIIMS, Raipur

2.	MINerVA (Mortality in India Established through Verbal Autopsies) Network - A Joint Initiative of Registrar General of India and AIIMS, New Delhi (Multicentric project) (Principal investigator from CFM Department)	AIIMS, New Delhi Directorate of Census Operations, Raipur, Chhattisgarh Directorate of Economics and Statistics, New Raipur, Chhattisgarh
3.	National Environmental Health Profile Study (Co-Investigator from CFM Department)	Pulmonary Medicine
4.	Covid 19 Vaccination in Pregnancy : The COVIP Study (Co-Investigator from CFM Department)	Department of Obstetrics & Gynaecology, AIIMS, Raipur
5.	Quality of life in pediatric cancer patients receiving chemotherapy in a tertiary care hospital in central India.	Department of Paediatrics AIIMS, Raipur
6.	Comparison of perioperative outcomes in standard approach for uterine artery ligation versus posterior approach in total laparoscopic hysterectomy: Randomised Control Trial	Department of Obstetrics and Gynaecology, AIIMS, Raipur
7.	Prevalence and Factors Associated with Depression, Anxiety, Stress and Addiction Among Higher Education Students in Raipur City: A Cross-Sectional Study(Principal investigator from CFM Department)	Department of Physiology AIIMS, Raipur
8.	Prevalence and correlates of poor sleep quality and sleep hygiene among university students at Raipur City: a cross-section study (Principal investigator from CFM Department)	Department of Physiology AIIMS, Raipur
9.	Factors influencing non-adherence to multi-drug therapy and effect of electronic message based-health education in improving adherence among the patients with Hansen's disease, AIIMS Raipur (Principal investigator from CFM Department)	Department of Dermatology AIIMS, Raipur
10.	Study on the effects of health education on oral healthcare in school students of Raipur(Principal investigator from CFM Department)	Department of Dentistry

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	To evaluate the presence of cross-reactive antibodies against the spike protein variants (B.1.617) of SARS-CoV-2 in the vaccinated people and non-vaccinated people who have recovered from natural infection (Co-Investigator from CFM Department)	Department of Biochemistry AIIMS, Raipur
2.	Incidence of adverse outcomes and risk factors for mortality among Mucormycosis patients in India: a multi-centric ambispective cohort study, 2021-2022 (Co-Investigator from CFM Department)	Department of ENT AIIMS, Raipur
3.	Assessment of transmission dynamics and epidemiological determinants of COVID 19 in a tertiary care teaching hospital of India through analysis of contact tracing investigations	Department of Microbiology, AIIMS, Raipur
4.	Evaluation of antibody titers following vaccination with ChAdOx1-nCOV(Covishield) and BBV-152 (Covaxin) in 18-44 years old individuals visiting AIIMS Raipur: A prospective longitudinal study	Department of Biochemistry, AIIMS, Raipur
5.	Establishment of Pilot Telemedicine setup for fisherman and fisherwomen as a startup activity at five locations of Chhattisgarh	Department of ENT AIIMS, Raipur Department of Physiology, AIIMS, Raipur
6.	Assessment of nutritional status and role of parents in rehabilitation of under-five children during home-based management after discharge from Nutritional Rehabilitation Centres (NRCs) of Raipur District (Principal investigator from CFM Department)	Department of Paediatrics, AIIMS, Raipur
7.	Role of alpha and beta cell secretory function in predicting hypoglycemia in patients with Diabetes Mellitus: A hospital- based pilot study. (Co-Investigator from CFM Department)	Department of Medicine
8.	Prevalence and Characteristic of Chronic kidney disease (CKD) in Supebeda village of Devbhog block and Piperkutta Village of Manpur Block in Gariyaband District.(Co-Investigator from CFM Department)	ICMR-NIRTH

PUBLICATIONS

Papers published in journals

1. **Sharma H, Ruikar M.** Electronic cigarettes: Ally or an enemy in combating tobacco-use-associated diseases - An integrative review. *Indian J Dent Res.* 2023;34(2):216-222. Doi: 10.4103/ijdr.ijdr_890_21.
2. **Kumar M, Ruikar M, Surya VL.** Depression among older adults in an urban slum of Raipur city-A community based cross-sectional study. *BMC Geriatrics* 2023; 23:709. Doi: 10.1186/s12877-023-04402-2.
3. **Sharma H; Ruikar M.** Artificial intelligence at the pen's edge: Exploring the ethical quagmires in using artificial intelligence models like ChatGPT for assisted writing in biomedical research. *Perspectives in Clinical Research.*2023;(). Doi: 10.4103/picr.picr_196_23.
4. **Ramasamy SK; Rathore V, Galhotra A, Agrawal S.** Health equity in dialysis care: Time for action. *Indian Journal of Community and Family Medicine.*2023; 9(1): 8-13, Jan-Jun 2023. Doi: 10.4103/ijcfm.ijcfm_51_22.
5. **Agrawal S, Galhotra A, Sahu SK, Ramasamy SK.** Impact of COVID-19 on mortality trends and patterns in a tertiary care hospital of Central India: A retrospective study. *Journal of Acute Disease.*2023; 12(3): 102-106. Doi: 10.4103/2221-6189.379272.
6. **Krishnan A, Kumar R, Amarchand R, Mohan A, Kant R, Agarwal A, et al.** Predictors of Mortality among Patients Hospitalized with COVID-19 during the First Wave in India: A Multisite Case-Control Study. *Am J Trop Med Hyg.* 2023;108(4):727-733. Doi: 10.4269/ajtmh.22-0705.
7. **Vaishnav K, Galhotra A, Jindal A, Parhad P.** Profile and predictors of babies admitted to SNCUs of two tribal districts of Chhattisgarh. *J Family Med Prim Care.* 2023;12(6):1165-1171. Doi: 10.4103/jfmpc.jfmpc_2309_22.
8. **Agrawal S, Gahwai DK, Dayama S, Galhotra A.** An Analysis of COVID-19 Mortality in Chhattisgarh: A Two-Year Study on Demographics, Trends, and Impacts. *Cureus.* 2023;15(8):e43155. Doi: 10.7759/cureus.43155.
9. **Krishna E, Pal A, Galhotra A, Shukla AK, Parija PP, Pathak VK, et al.** Undiagnosed hypertension and associated factors among adults in the urban field practice area of AIIMS Raipur: A community-based screening survey. *J Family Med Prim Care.* 2023;12(8):1540-1546. Doi: 10.4103/jfmpc.jfmpc_1819_22.
10. **Ramasamy S, Galhotra A, Agrawal S.** Adverse reactions after Covid-19 vaccination in persons affected by leprosy: A scoping review. *J Family Med Prim Care.* 2023;12(9):1771-1774. Doi: 10.4103/jfmpc.jfmpc_635_23.
11. **Galhotra A, Rathore V, Pal R, Nayak S, Ramasamy SK, Patel S, et al.** Clinico-Epidemiological Profile of Patients with Chronic Kidney Diseases of Unknown Etiology: A Hospital-Based, Cross-Sectional Study from Central India. *Indian Journal of Nephrology.*2023;(). Doi: 10.4103/ijn.ijn_68_23.
12. **Prasad R, Shukla A, Galhotra A.** Feeding practices and nutritional status of children (6-23 months) in an urban area of Raipur, Chhattisgarh, India. *J Family Med Prim Care.* 2023;12(10):2366-2372. Doi: 10.4103/jfmpc.jfmpc_240_23.
13. **Gaikwad U, Bhargava A, Jindal A, Padhy GK, Das P, Jagzape T, et al.** Faecalcal protectin as an inflammatory biomarker to distinguish between bacterial and viral causes of childhood diarrhoea in Indian settings. *Indian J Med Microbiol.* 2023; 46:100459. Doi: 10.1016/j.ijmmb.2023.100459.

14. Panigrahi SK, Naik G, **Padhy GK**, Mondal H, Bhattacharya S. Need Assessment of Existing Mentorship Program Among Undergraduate Medical Students: Experience From a Medical College in Chhattisgarh, India. *Cureus*. 2023;15(10): e47413. Doi: 10.7759/cureus.47413.
15. **Pal A, Shukla AK**, Santra A, **Galhotra A**, Thakur P, Patel S, et al. Awareness About Folic Acid Supplementation in First-Trimester Pregnant Women of Rural Raipur District, Chhattisgarh, and Its Determinants: A Cross-Sectional Study. *Cureus*. 2023;15(6): e40583. Doi: 10.7759/cureus.40583.
16. Nanda R, Gupta P, **Giri AK**, Patel S, Shah S, Mohapatra E. Serological Evaluation of Antibody Titers After Vaccination Against COVID-19 in 18-44-Year-Old Individuals at a Tertiary Care Center. *Cureus*. 2023;15(6): e40543. Doi: 10.7759/cureus.40543.
17. **Shenoy MS**, Santra A, **Giri AK**. Rabies elimination policy guidelines: Where do we stand?. *Indian J Comm Health*. 2023;35(3):258-263. Doi: 10.47203/IJCH.2023.v35i03.002.
18. **Khobragade AW**, Agrawal N. Prevalence of Stress and Insomnia among Health Care Workers in India during COVID-19 Pandemic: A Systematic Review and Meta-analysis. *Indian J Community Med*. 2023;48(4):525-532. Doi: 10.4103/ijcm.ijcm_482_22.
19. **Shenoy MS, Khobragade AW**, Subramanian M. Suicide trends among patients with cancer in India over the past 24 years. *Gen Psychiatr*. 2023;36(6): e101190. Doi: 10.1136/gpsych-2023-101190.
20. Abdulkader RS, Ponnaiah M, Bhatnagar T, SD, Rozario AGA, KG, et al. Baseline findings of a multicentric ambispective cohort study (2021-2022) among hospitalised mucormycosis patients in India. *Mycology*. 2024;15(1):70-84. Doi: 10.1080/21501203.2023.2271928.
21. Nayak D, Behera B, Dalei SR, **Mishra AK**, Marandi P. Changing Trends of Cutaneous Lupus Erythematosus (CLE) in a Tertiary Care Hospital in Northern Odisha, India. *Cureus*. 2023;15(6): e40466. Doi: 10.7759/cureus.40466.
22. Lahare VK, Verma N, **Chandrakar A**, Shrivastava N, Dengani M, Gupta SA. A Community-Based Cross-Sectional Study on the Epidemiology of Injuries in Raipur City, Chhattisgarh. *Cureus*. 2023;15(7): e41868. Doi: 10.7759/cureus.41868.
23. Meshram SK, Verma N, **Chandrakar A**, Dengani M, Agrawal AS, Sharma M. Assessment of Organizational Role Stress among Health Care Workers working in Sub Health Centres of Raipur District Chhattisgarh. *Indian J Comm Health*. 2023; 35(3):297-302. Doi: 10.47203/IJCH.2023.v35i03.008.
24. **Jha A, Chandrakar A**. A Comparative Study of National Family Health Survey-4 and National Family Health Survey-5 of Nutritional Indicators in Chhattisgarh. *Cureus*. 2024;16(3): e55524. Doi: 10.7759/cureus.55524.
25. **Katole A**. Impact of COVID-19 pandemic on global economy. *J Family Med Prim Care*. 2023;12(11):2565-2568. Doi: 10.4103/jfmpc.jfmpc_940_23.
26. **Pradhan S**. The Promise of Technology: Overcoming Challenges in Rural and Remote Health Care in India. *Journal of Public Health and Primary Care*. 2023; 4(3):127-129. Doi: 10.4103/jphpc.jphpc_18_23.
27. Fernandez S, Dhinu K, **Gupta A**, Shantibala K, Laikhuram P, Takhellambam, G. Health Literacy Among General Adult Population of Bishnupur, Manipur: A Cross-Sectional Study. *Medical Journal of Dr. D.Y. Patil Vidyapeeth*. 2023;(). Doi: 10.4103/mjdrdypu.mjdrdypu_134_23.

28. **Gupta A, Elangbam V, Mukherjee A, Akoijam P, Akoijam BS.** Development and Application of Critical-Thinking and Decision-Making Skills' Enhancement Module among School-Going Adolescents in Manipur: A Quasi-Experimental Study. *Indian Journal of Public Health Research & Development.* 2023; 14(4):57-63.
29. **Patel G, Patel H, Modi A, Mukherjee A, Kosambiya JK.** Factors Influencing Institutional Delivery and Its Associates among Antenatal Women in Surat city: A Cross Sectional Study. *Indian Journal of Public Health Research & Development.*2023; 14(4): 132-137. Doi: <https://doi.org/10.37506/ijphrd.v14i4.19775>
4. **George S, Giri AK.** IJCM_317A: The quality of news reports on violence against health workers in India. *Indian Journal of Community Medicine.* 2024; 49(Suppl 1): S92. Doi:10.4103/ijcm.ijcm_abstract317.
5. **Pradhan J, Pal A, Shukla AK.** IJCM_191A: A study of awareness regarding harmful effects of tobacco consumption among an urban population of Raipur. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S55-S56. Doi: 10.4103/ijcm.ijcm_abstract191.
6. **Tripathy S, Mishra AK, Ruikar M.** IJCM_278A: Forecasting of Dengue Cases and Deaths in India: An application of Auto Regressive Integrated Moving Average Model. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S80-S81. Doi: 10.4103/ijcm.ijcm_abstract278.

Abstracts Published in Journal(s):

1. **Galhotra A, Das S, Shukla AK.** IJCM_42A: Nutritional Assessment and Association of Malnutrition with Food Insecurity among Adolescent Females of Age 15-19 Years in an Urban Slum of Raipur City. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S12-S13. Doi: 10.4103/ijcm.ijcm_abstract42.
2. **Sagar KS, Shukla AK, Galhotra A.** IJCM_49A: Mortality trends of road traffic accidents due to human errors in Chhattisgarh and India (2016-2022). *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S14-S15. Doi: 10.4103/ijcm.ijcm_abstract49.
3. **Sharanya K, Ruikar M.** IJCM_363A: Assessment of Health Promoting Physical Environment in Schools of Raipur City. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S104-S105. Doi: 10.4103/ijcm.ijcm_abstract363.
7. **Rath A, Pal A.** IJCM_50A: Mortality trends in Indian prisons and its associated risk factors: a time trend analysis from 2017-2021. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S15. Doi: 10.4103/ijcm.ijcm_abstract50.
8. **Arya VR, Giri AK.** IJCM_303A: Prevalence and Factors associated with treatment-seeking behaviour of Diarrhoea among children under five in India. *Indian Journal of Community Medicine.*2024; 49(Suppl 1): S88. Doi: 10.4103/ijcm.ijcm_abstract303.
9. **Aswanth, Mishra AK.** IJCM_286A: Will India able to bend the curve? TB Elimination in India by 2025. *Indian Journal of Community Medicine.*2024;49(Suppl 1): S83. Doi: 10.4103/ijcm.ijcm_abstract286.

CHAPTER(S) IN BOOKS

Author	Chapter Title	Editor	Book	Ed	City of Publication	Publisher	Year
Dr. Amit Kumar Mishra	Acute Respiratory Tract Infection	AM Kadri	IAPSM's Textbook of Community Medicine	3 rd	New Delhi	Jaypee brothers medical publishers pvt.ltd	2024
	Influenz	AM Kadri	IAPSM's Textbook of Community Medicine	3 rd	New Delhi	Jaypee brothers medical publishers pvt.ltd	2024

PATIENT CARE

CFM Department daily runs Immunization Clinic, Screening OPD, Lifestyle Modification Clinic and Yellow Fever Vaccination Centre of AIIMS Raipur on every working Wednesday.

During 01.04.2023 to 31.03.2024, total 14999 beneficiaries (under five, adolescent, adult, pregnant woman) and 593 travelers were vaccinated. Total 771 doses of Hepatitis B vaccine were administered to students and staff of AIIMS Raipur.

During 01.04.2023 to 31.03.2024, total OPD attendance at Urban Health Training Centre of AIIMS Raipur located at Community Hall, Bhawani Nagar, Raipur was 10,011 inclusive of

3,268 patients at Special Clinics of UHTC namely ANC, Immunization and NCD. Also 3,575 lab investigations were done at UHTC.

During 01.04.2023 to 31.03.2024, total 4,3946 beneficiaries attended the Screening OPD and 05.11.2023 onwards 646 beneficiaries attended the Lifestyle modification Clinic till 31.03.2024.

The Senior Residents, Junior Residents and Interns posted at Rural Health Training Centre, Kurud also provided various services at OPD, IPD, Laboratory, Immunization Clinic, NCD Clinic, Operation Theater, Minor OT, Nutrition Rehabilitation Centre; to rural patients coming from Rural Field Practice Area of AIIMS Raipur.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

AWARDS

Dr. Amit Kumar Mishra

Received the best scientific oral paper presentation award in the theme 'Digital health & technology, RMNCHA & sociology, Session-4' at the 68th Annual National Conference of IPHA at Manali (H.P.) from 15th to 17th March 2024.

Dr. Anupriya Jha

Secured Third position in oral paper presentation in thematic session during EFICON 2023 at Goa Medical College, Bambolim, Goa.

Dr. Nistha Rutam Dash

Best paper award in Poster presentation of 68th Annual National Conference of IPHA at Manali (H.P.) from 15th to 17th March 2024.

Dr. Avantika Gupta

Second prize in Essay writing competition organized at AIIMS Raipur as part of ORIANA Fest on the topic 'The Parent Within' on 31st October 2023.

Dr. Suchismita Ghosh

Secured best paper award on oral paper presentation at PREVENCON 2023 International conference held at Government Omandurar Medical College, Chennai on 13th April 2023.

Dr. Veena G Dev

Qualified in the final Round of National Quiz conducted by IACFM on 15th July 2023. Completed Post Graduate Diploma in Hospital Management by Indian Institute of Skill Development Training on 5th October 2023.

Dr. Sylvia George

Second Prize in National Level Microteaching competition held as part of IAPSMCON 2024.

First prize in Essay writing competition organized at AIIMS Raipur as part of ORIANA Fest on the topic 'The Parent Within' on 31st October 2023.

Dr. Sanooja Sherin CK

'Best Performer of the Day' award in the Hands-on workshop on Infection Control Practices organized by Hospital Infection Control Committee, AIIMS Raipur on 20th March 2024.

Dr. Alan Thomas

'Best Performer of the Day' award in the Hands-on workshop on Infection Control Practices organized by Hospital Infection Control Committee, AIIMS Raipur on 21st March 2024.

SIGNIFICANT EVENTS**Outreach Activities under Viksit Bharat Sankalp Yatra**

Viksit Bharat Sankalp Yatra - Government of India's largest-ever outreach programme - was launched on 16th December 2023 in Chhattisgarh to

cover all 33 districts including 11664 gram panchayats and 170 urban local bodies.

As a part of On-Spot services under the Viksit Bharat Sankalp Yatra, Health Camps were organized at the places of halt of the Mobile Information Education Communication (IEC) Van. The activities carried out in the health camps were:

1. Screening of eligible population (30 years and above) for Hypertension and Diabetes and cases suspected to be positive were referred to higher centres,
2. Screening of eligible population (upto 40 years of age) for the detection of Sickle Cell Disease (SCD) through the Point of Care (PoC) tests for SCD or through Solubility Test.
3. Screening of patients for TB by screening for symptoms, sputum testing, and using NAAT machines wherever available.

At All India Institute of Medical Sciences Raipur, as per the directives from Ministry of Health and Family Welfare, Government of India; Department of Community and Family Medicine was the Nodal Department and HOD CFM was the Nodal Officer for coordinating above-mentioned activities.

CFM Department participated in 13 urban health camps under Viksit Bharat Sankalp Yatra. Total footfall was 2245 beneficiaries. More than half of the beneficiaries (55%) were screened for Diabetes and 50% for Hypertension whereas one fifth of the beneficiaries (20%) were screened for Sickle Cell Disease. More than one tenth of the beneficiaries (13%) were screened for Tuberculosis and total 15 food baskets were distributed to Tuberculosis patients.

Nutrition education on Millets in Posha Maah 2023

2023 being the 'International Year of Millets

(IYoM)', nutrition education sessions on importance of millets were organised at the Urban Health Training Centre and Urban Field Practice Area of AIIMS Raipur to observe the 'Poshan Maah 2023'.

Activities in the PoshanMaah were conducted by a Team of CFM Senior Residents, Junior Residents and Interns for the women beneficiaries in Urban Field Practice Area. Interns prepared posters on the health benefits of millets.

The nutrition education sessions were conducted using charts, posters and powerpoint presentations on seven food groups, different

varieties of millet with its health benefits, and dos & don'ts of handling and preparing food. Different millets were displayed along with nutritive values and mention of respective nutritious dish. Doubts amongst women about the use of millets as a staple food were addressed. Interactive sessions were followed by the demonstration of a nutritious recipe using multi-millets.

Dr. Ashish Khobragade, Faculty In-charge of UHTC and his Team took efforts to make observation of this Poshan Maaha success; under the guidance and support of Prof. Dr Manisha Ruikar, HOD CFM.

DEPARTMENT OF DENTISTRY

Professor & Head

Dr. Virat Galhotra

Additional Professors

Dr. Nakul Uppal

Dr. Santhosh Rao

Dr. Manish J. Raghani

HIGHLIGHTS

Department of Dentistry provides routine essential services and specialized advanced multi-specialty dental services for outpatients on nominal charges. The treatment procedures offered include basic tooth extractions, oral prophylaxis, and restorative procedures. Specialized services include Pediatric and Preventive Dental care, Oral Rehabilitation for Children with special health care needs, Geriatric dental care, Non-surgical and surgical Endodontic therapies, Dental implants, Prosthetic Rehabilitation, Orthodontic treatment, Oral & Maxillofacial, and Orthognathic Surgical procedures. Thirteen dental chairs are functional for delivering above mentioned oral health care services. Oral lesions are assessed for outpatients and inpatients, and dental health assessment and certification Performa have been developed for employment applicants requiring dental fitness for recruitment.

The Dental team attends emergency calls for maxilla-facial trauma, and bedside calls for inpatients, ranging from routine general dental

complaints to severe oral-facial complaints. Dental consultation and treatment services are also offered to pregnant patients with full precautions. Pediatric Dental services are now provided for the entire gamut of specialized dentistry specific to pediatric patients including children with special health care needs. Faculty and department residents contribute toward the growth of the specialty and the institute by engaging in both clinical research and academic publications.

The Department is engaged in two projects with the Indian Council of Medical Research (ICMR) The first ICMR project, "Outcome Assessment of Concomitant Total Temporomandibular Joint Replacement and Orthognathic Surgery Using Indigenous Patient-Specific Implants in TMJ Ankylosis: A Prospective Cohort Pilot Study," evaluates functional and aesthetic outcomes, quality of life improvements, and implant efficacy in treating TMJ ankylosis. The second ICMR project, "Outcome Assessment of Indigenous Designed Patient-Specific Implants with Integrated Dental Components for Early Rehabilitation of Oro-Maxillary Defects Secondary

to Post-COVID-19 Rhino-Maxillary Mucormycosis: A Prospective Cohort Pilot Study," focuses on early rehabilitation, assessing functional and aesthetic outcomes, quality of life improvements, and implant efficacy. and one with the IITI DRISHTI CPS Foundation, IIT Indore, supported by the Department of Science and Technology (DST), Government of India (GOI). The project with IITI DRISHTI CPS Foundation, "System Design, Analysis, Development, and a Clinical Trial of an Instrumented Mouth-Opening Device for Trismus Treatment," involves designing, developing, and clinically trialing a new device to enhance trismus treatment, improving oral functionality and patient quality of life.

EDUCATION

- A weekly academic schedule of seminars, journal clubs, case presentations, and relevant summaries were presented by the PG trainees with sessions moderated by the faculty.
- Academic mentoring was provided for academic junior residents for their thesis research projects, papers, and posters presented at forums such as conferences.
- Lecture classes for nursing students on oral health nursing considerations were conducted.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Dr. Virat Galhotra

S. No.	Title	CME/Conference	Date	Organized By
1.	44 th National ISPPD conference	Conference	Ahemdabad from 26-30.10.2023	Indian Society of Pedodontics and Preventive Dentistry
2.	4 th International Conference of South Asian Association of Pediatric Dentistry	Conference	09-11.02.2024, Hyderabad	South Asian Association of Pediatric Dentistry
3.	20 th Postgraduate Convention	Convention	Dehradun from 22 - 24.02.2024	Indian Society of Pedodontics and Preventive Dentistry
4.	Crafting Excellence: Reviewers & Authors Training	Workshop	05 - 06.09.2023	D. A. Pandu Memorial RV Dental College Bangalore
5.	Comprehensive Oral Cancer Management	CME	14.10.2023	All India Institute of Medical Sciences, Raipur

Dr. Nakul Uppal

S. No.	Title	CME/Conference	Date	Organized By
1.	15 th annual conference of AOMSI	Conference	08 - 09.09.2023	Association of Oral and Maxillofacial Surgeons of India, Tamil Nadu and Puducherry chapter
2.	4 th annual national conference of EFICON	Conference	30.09.2023-01.10.2023	Epidemiology Foundation of India

Dr. Santhosh Rao

S. No.	Title	CME/Conference	Date	Organized By
1.	Data Handling and Analysis using Microsoft Excel	Workshop	01.04.2023	AIIMS, Raipur
2.	Basic Life Support from American BLS course	Training /Workshop	06.11.2023	American BLS
3.	6 th Congress of Asian Pacific Federation of Societies for Reconstructive Microsurgery (APFSRM) & 16th Biennial Conference of Indian Society for Reconstructive Microsurgery (ISRM 2024)	Conference	07-10.03.2024	Asian Pacific Federation of Societies Indian Society for Reconstructive Microsurgery
4.	5 th JIPMER Research Leadership Mentoring Programme	Training	Phase I : 08-12.03.2024 & Phase II : 18-22.03.2024	JIPMER

Dr. Manish J. Raghani

S. No.	Title	CME/Conference	Date	Organized By
1.	XX National Triple O Symposium 2023	National Conference	01 - 02.04.2023	Indian Academy of Oral Medicine and Radiology
2.	Cancer Conclave by Balco Medical Center	National Conference	17- 18.06.2023	Balco Medical Center
3.	CME on Oral Cavity Carcinoma- Comprehensive Management	National CME	14.10.2023	AIIMS, Raipur.
4.	AOCMF Masters Course on Advances in Orthognathic Surgery at Davos, Switzerland.	International Workshop	10 - 13.12.2023	AO CME
5.	8 th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024"	State Conference	09- 10.03.2024	Chhattisgarh State Chapter of Association of Oral & Maxillo facial Surgeons of India

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Virat Galhotra**

S. No.	Title	CME/Conference	Date	Organized By
1.	Transcending the Fear- Demystifying Complicated Crown-Root Fractures for Pediatric-Dentists	4 th International Conference of South Asian Association of Pediatric Dentistry	09- 11.02.2024 at Hyderabad	South Asian Association of Pediatric Dentistry
2.	"Reviewing Case Reports" at Crafting Excellence	Workshop	05 and 06.09.2023	D. A. Pandu Memorial RV Dental College, Bangalore
3.	Conquering calcified challenges predictably: 3D guided approach	44 th National ISPPD Conference	26- 30.10.2023	Ahemdabad

4.	Rotary Endodontics	Workshop, Dr. ZA Dental College & Hospital, AMU, Aligarh, UP	24 - 27.04.2023	Head Office of the Indian Society of Pedodontics & Preventive Dentistry
5.	"Early Childhood caries" as a Master trainer	Training	31.08.2023-03.09.2023	CG Government for National Oral Health Program

Dr. Santhosh Rao

S. No.	Title	CME/Conference	Date	Organized By
1.	Model Surgical Planning in Orthognathic Surgery	26 th Mid-Term Conference & 12 th PG Convention of AOMSI at Loni-Shirdi, Maharashtra.	20-22.07.2023	AOMSI
2.	Long Answer Question	Medical Education Unit training	02.09.2023	AIIMS, Raipur
3.	Revolutionizing Dental Implantology: Exploring the Advancements and Applications of Zygomatic Implants	15 th AOMSI Annual Conference Andhra Pradesh State Chapter (MAXFAX-WARRIORS OF THE FACE)	14-16.09.2023	Drs Sudha & Nageswara Rao Siddhartha Institute of Dental Sciences, Chinnaoutapalli, Gannavaram, Andhra Pradesh
4.	Model Surgical Planning in Orthognathic Surgery	2 nd AOMSI Annual Conference Odisha State Chapter being held at Puri, Odisha	30.09.2023-01.10.2023	AOMSI
5.	Hematological Emergencies	CDCRI Dental College at Rajanandagaon	23.10.2023	Dental College Rajanandagaon
6.	Dental Rehabilitation in Oral Cancer	Federation of Head Neck Oncology lecture at a CME	26.10.2023	AIIMS, Raipur
7.	Management of Mandibular Fractures - Load bearing and Load sharing osteosynthesis	Management of Facial Trauma, Ahmedabad	26-28.10.2023	AOCMF
8.	Management of Naso-Orbito-ethmoid (NOE) Fractures	Management of Facial Trauma, Ahmedabad	26-28.10.2023	AOCMF

9.	Communitied and Continuity Defect Facial Fractures management	47 th National Conference of AOMSI, New Delhi	21-25.11.2023	AOMSI
10.	Complications in Temporomandibular Joint Replacement	47 th National Conference of AOMSI, New Delhi	21-25.11.2023	AOMSI
11.	Midface and Panfacial Trauma - Case based Discussion	2 sessions of Webinar hosted by the Rajasthan state chapter of AOMSI	January 2024	AOMSI
12.	TJR VS Distraction Osteogenesis in Management of TMJ ankylosis	Debateat Gyan 4, GYAN 5, A to Z of TMJ	07.02.2024-10.02.2024	Govt Dental College, Civil Hospital, Ahmedabad
13.	Management of the MPDS Component: Role of Occlusion, Splint, Drugs, Botox, Physiotherapy	Gyan 4, GYAN 5, A to Z of TMJ	07.02.2024-10.02.2024	Govt Dental College, Civil Hospital, Ahmedabad
14.	Surgical approaches to Temporomandibular Joint	Gyan 4, GYAN 5, A to Z of TMJ	07.02.2024-10.02.2024	Govt Dental College, Civil Hospital, Ahmedabad
15.	Complications in Temporomandibular Joint Replacement	Gyan 4, GYAN 5, A to Z of TMJ	07.02.2024-10.02.2024	Govt Dental College, Civil Hospital, Ahmedabad
16.	Reconstructive Microsurgery (APFSRM) & 16 th Biennial Conference of Indian Society for Reconstructive Microsurgery (ISRM 2024)	6 th Congress of Asian Pacific Federation of Societies	07.03.2024-10.03.2024	6 th Congress of Asian Pacific Federation of Societies
17.	Alloplastic Temporomandibular Joint Replacement	ROME 2024	16.03.2024	Sri Ramachandra Dental College, Chennai,
18.	Long Answer Question	Medical Education Unit course on Medical Education Technologies		AIIMS Raipur
19.	How to prepare a Seminar	PG induction program		AIIMS Raipur
20.	Hypersensitivity - Medical Emergencies	NPTEL lecture		Swayam Portal Govt. of India

Dr Manish J. Raghani

S. No.	Title	CME/Conference	Date	Organized By
1.	Mandibular Condylarfractures-Tooth-sized Anatomy Limb-sized Disability	National Conference	01.04.2023	Indian Academy of Oral Medicine and Radiology
2.	Principles of Distraction Osteogenesis in Mandible	National Level Master class of AOMSI	14.05.2023	Association of Oral & Maxillofacial Surgeons of India
3.	Real World case based Panel Discussion	Cancer Conclave by Balco Medical Center	18.06.2023	Balco Medical Center
4.	Case Scenarios in Oral Cavity Carcinoma	CME on Oral Cavity Carcinoma-Comprehensive Management	14.10.2023	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED**Dr. Nakul Uppal**

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Uppal N	Illuminating Maxillofacial Surgery with Infrared: Unveiling Diagnostic Frontiers with Thermal Imaging	15 th Annual Conference of AOMSI	08-09-09-2023	Association of Oral and Maxillofacial Surgeons of India, Tamil Nadu and Puducherry chapter
2.	Uppal N	Application of Infrared Thermal Imaging for Assessing Maxillofacial Inflammation and Perfusion	4 th Annual National Conference of EFICON	30.09.2023 01.10.2023	Epidemiology Foundation of India

Dr. Santhosh Rao

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Santhosh Rao Dr Nissi Evelyn	Concomitant Orthognathic Surgery and TMJ replacement	47 th National Conference of AOMSI, New Delhi	21 - to 25-11-2023	AOMSI

Residents Presentation in Conference

Faculty Name: Dr Manish J. Raghani

Sr. No.	Title	Conference	Date	Organised By
1.	Distraction Osteogenesis - A Boon for Patients with Mandibular Retrognathia	26 th MIDCOMS 2023	22.07.2023	Association of Oral & Maxillofacial Surgeons of India
2.	Impacted in Silence: Exploring the challenges of Traumatic Foreign Bodies in Maxillofacial Trauma	26 th MIDCOMS 2023	22.07.2023	Association of Oral & Maxillofacial Surgeons of India
3.	AV malformation of the mandible-Aticking timebomb	47 th Annual National Conference of Association of Oral & Maxillofacial Surgeons of India	November 2023	Association of Oral & Maxillofacial Surgeons of India
4.	Penetrating injury of the Orbit !- A Risky Expedition	8 th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024"	09.03.2024	Chhattisgarh State Chapter of AOMSI
5.	Eagle's Embrace: A Journey to Relieve Facial and Neck Pain	8 th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024"	09.03.2024	Chhattisgarh State Chapter of AOMSI

6.	From Lesion to Liberation: The Journey of Leukoplakia Excision and Skin Graft Redemption	8 th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024"	09.03.2024	Chhattisgarh State Chapter of AOMSI
7.	PRECISION IN PALATAL SURGERY: TACKLING PLEOMORPHIC ADENOMA HEAD-ON-A Case Report	8 th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024"	09.03.2024	Chhattisgarh State Chapter of AOMSI

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (₹)
1.	A Randomised, Double-blind, Multicentre, Placebo-controlled, Parallel Study to Evaluate the Efficacy and Safety of Tranexamic Acid Mouthwash of Morningside Healthcare Limited, UK, to Reduce Bleeding in Subjects Undergoing Tooth Extraction Who Are on Drugs Affecting Hemostasis.	Dr Santhosh Rao Co-PI Dr Virat Galhotra	Morningside Healthcare Ltd, LE19 1WP, United Kingdom	1 Year	2022-23	4,40,000
2.	Outcome assessment of Concomitant total temporomandibular joint replacement and Orthognathic surgery using indigenous patient specific implants in TMJ Ankylosis, A Prospective Cohort Pilot Study	Dr Santhosh Rao Co-PI Dr Virat Galhotra	ICMR, New Delhi	3 Years	2023-26	97,50,026.88
3.	Outcome assessment of indigenous designed Patient-Specific Implant with integrated Dental components for early rehabilitation of Oro Maxillary defect secondary to Post COVID- 19 Rhino-Maxillary Mucormycosis, A Prospective Cohort Pilot Study.	Dr Santhosh Rao Co-PI Dr Virat Galhotra	ICMR, New Delhi	3 Years	2023-26	96,81,865.60

4.	System design, analysis, development, and a clinical trial of an instrumented mouth-opening device for Trismus treatment.	Dr Manish J. Raghani	IITI DRISHTI CPS Foundation, IIT Indore, Supported by DST, GOI	2 Years	2023-2025	10 Lakhs
5.	Evaluation of efficacy and safety of aceclofenac + Paracetamol + Serratiopeptidase combination after impacted lower third molar surgery: a randomized, Double-blind comparison with aceclofenac + Paracetamol combination	Dr Manish J. Raghani Co-PI Dr Virat Galhotra	IPCA Laboratories Ltd, Mumbai	6 Months	2023	6 Lakhs

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (₹)
1.	Rate of tooth movement in injectable PRP as compare to Micro-osteoperforation in orthodontic patient - An Open label Randomized Controlled Trial.	Dr Manish J. Raghani	AIIMS, Raipur	1 Year	2022-2023	5 Lakhs
2.	Reinfection with Severe Acute Respiratory Syndrome Corona virus-2 (SARS CoV-2) among healthcare workers in India	Dr Santhosh Rao	ICMR	2 Years	2021-2023	10 Lakhs

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Postgraduate Dissertation studies**

S. No.	Project
01.	Oral and Dental changes in Pediatric patients with malignancy receiving chemotherapy
02.	Efficacy of cold saline irrigation in reduction of post-operative pain, swelling and trismus of impacted mandibular third molar surgery
03.	Radiographic evaluation of changes induced by Hyluronic acid in comparison with MTA as a pulpotomy medicament in primary molars- A Randomised controlled clinical trial

04.	Estimation of Prevalence of Molar Incisor Hypomineralization among primary and middle school children- a cross sectional study.
05.	An Epidemiological Survey of Oral Health Status and Treatment Needs among Children aged 3 to 18 years of age with Special Health care Needs of Raipur district, Chhattisgarh - A Cross sectional study.
06.	Comparative evaluation of the effectiveness of three different non-pharmacological behaviour guidance techniques during dental procedures requiring local anesthesia in 4-9-year-old children - A pilot randomized control trial.
07.	Assessment of children and adolescents for PTSD following maxillofacial and/or dental trauma - A Cohort study.
08.	Efficacy of cold saline irrigation in reduction of post-operative pain and swelling in mandibular fracture fixation.
09.	Thermal imaging findings of maxillofacial inflammation: a cross-sectional study.
10.	Impact of an Educational Program on the Awareness of Paramilitary Troops about Causes, Treatment and Prevention of Dental Traumatic Injuries sustained during sports, training exercises and active duty.
11.	Does 5-Fluorouracil Increase The Mouth Opening In Patients With Oral Submucous Fibrosis? A Pilot Study. (CDSCO approved).
12.	Comparative Finite Element Analysis of Temporomandibular Joint (TMJ) in Patients Undergoing Total Joint Replacement (TJR) with and without Concomitant Orthognathic Surgery.
13.	Assessment of average bite forces in the population of Chhattisgarh at a tertiary care hospital-An observational study.
14.	Prevalence of anxiety and depression in temporomandibular disorders :A hospital-based cross sectional study.
15.	Effect of High Frequency Repeated Transcranial Magnetic Stimulation on Pain Intensity in Patients with Temporomandibular Mandibular Joint Disorder in Adult Patients: a Prospective Cohort Study.
16.	The effect of sequencing the condylar fracture fixation on its operative time for effective fixation amongst the patients with multi focal fractures of Mandible-A Randomized controlled clinical trial.
17.	Comparative assessment of improvement in masticatory efficiency in patients with anteriormandibular fractures treated with four-hole versus six-hole mini plate fixation: A pilot randomized controlled trial.

Completed

S. No.	Project
1.	Evaluation of the effectiveness of primary closure using keratinized palatal mucosa following maxillectomy in patients with Rhino maxillary mucormycosis- An Amphisperspective study
2.	Assessment of Functional Neuro sensory recovery of Mental Nerve, following its skeletonization in patients undergoing intra oral open reduction internal fixation for mandibular fractures - A Prospective Cohort study
3.	Sutured versus sutureless anterior releasing incision of triangular flap following surgical removal of impacted mandibular third molars: A single blinded randomized controlled trial.
4.	Clinical, Demographic and Oral presentations of COVID Associated Mucormycosis from a Tertiary Care Hospital in India: A Cross-Sectional Study.
5.	Concomitant total temporomandibular joint replacement and Orthognathic surgery using patient specific implants in TMJ Ankylosis, A Prospective Study.
6.	Intra operator repeatability and interoperator reproducibility in the Winter's RED line for measurement of depth of impacted mandibular third molar tooth. A Prospective Observational Study

Collaborative Projects

S. No.	Project	Principal Investigator	Status	Collaborating Department/Institution
1.	Reinfection with Severe Acute Respiratory Syndrome Corona virus-2 (SARS CoV-2) among healthcare workers in India	Dr Santhosh Rao	Completed	Department of Medicine AIIMS, Raipur
2.	System design, analysis, development, and a clinical trial of an instrumented mouth-opening device for Trismus treatment	Dr Manish J. Raghani	Ongoing	IIT, Bhilai

PUBLICATIONS

11. **Raghani Manish**, Anand Preetha, **Galhotra Virat**. Preservation of Palatal Mucosa in Rhinomaxillary Mucormycosis Cases. *Journal of Maxillofacial and Oral Surgery*. 2024;10.1007/s12663-024-02129-0.
2. **Rao S**, Xavier F, **Galhotra V**. Precision and Affordability: Acrylic Surgical Template and Cutting Guide for Mandibular Reconstruction with Free Fibula Flap. *Journal of Maxillofacial and Oral Surgery*. 2024.
3. Jaiswal A, **Galhotra V**, Angel LS, Gandham R. Pre-surgical Nasal Molding of a Two-Day-Old Neonate With Complete Unilateral Cleft Lip and Palate Using Passive Nasoalveolar Molding Technique: A Case Report. *Cureus*. 2024 Jan 7;16(1):e51822. doi: 10.7759/cureus.51822. PMID: 38327955; PMCID: PMC10847393.
4. Jayam C, Yerragudi N, Kumar N, **Galhotra V**. Inflammatory Dentigerous Cyst in a 10-year-old Child Treated by Marsupialization: A Case Report. *Int J ClinPediatr Dent*. 2023 Nov-Dec;16(6):871-874. doi: 10.5005/jp-journals-10005-2705. PMID: 38344376; PMCID: PMC10854247.
5. Burman S, **Rao S**, Ankush A, **Uppal N**. Comparison of hybrid arch bar versus conventional arch bar for temporary maxillomandibular fixation during treatment of jaw fractures: a prospective comparative study. *J Korean Assoc Oral Maxillofac Surg*. 2023 Dec 31;49(6):332-338.
6. Somkuwar S, Vijayabharathi P, **Galhotra V**, **Rao S**, Nagarkar NM, Raghani M, Pathak VK, Mehta R. Clinical, Demographic, and Oral Presentations of COVID-19 Associated Mucormycosis from a Tertiary Care Hospital in India: A Cross-Sectional Study. *J Maxillofac Oral Surg*. 2023 Dec;22(4):1130-1138.
7. Dolker Tundup, Shadani Kiran, **Galhotra Virat**, Rathod Parth, Gandham Rhea, Mukhtar Umer. Interceptive treatment modalities in class 2 malocclusion - A review of literature. *Journal of Advanced Medical and Dental Sciences Research; Amritsar* Vol. 11, Iss. 9, (Sep 2023): 14-18. DOI:10.21276/jamdsr
8. **Uppal N**, Ansari MN, Dadsena K, Xavier F, Mithani H. Acrylic "lollipop" for jaw rehabilitation after release of joint ankylosis in paediatric patients. *Trop Doct*. 2023;53(3): 386-388.
9. Chandan SN, **Rao S**. Dietary interventions and nutritional impact on oral health and development: a review. *J Food Sci Technol*. 2023 Jun;60(6):1666-1673.
10. Agarwal SS, Xavier F, **Rao S**, **Galhotra V**. Does the Tooth Sectioning Method Impact Surgical Removal of the Distoangular Impacted Mandibular Third Molar? *J Oral Maxillofac Surg*. 2023 Mar;81(3):318-328.

Patent filed during the academic year 2023-2024

S. No.	Project	Patent No.
1.	Self-retaining Corneal Eye Conformer. (Patent Filed in 2023) <i>by Dr Santhosh Rao</i>	389881-001
2.	Custom Periosteal Implant for Maxillary Reconstruction "AN IMPLANT" <i>by Dr Santhosh Rao</i>	355476-001

Chapter(s) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First Page-Last Page
1.	Dr. Virat Galhotra	Pediatric Endodontics	Satyawan Damle, Ritesh Kalaskar and Dhanashree Sakhare	Illustrated Pediatric Dentistry	Part -3	Singapore	Bentham Science Publishers Pte. Ltd	2023	
2.	Dr. Santhosh Rao	Problem Based Learning		Book on Medical Education		Raipur		2023	
3.	Dr. Manish J. Raghani	Competency based Medical Education		Book on Medical Education		Raipur		2023	

PATIENT CARE

	OPD	Procedures	Major OT
April 2023-March 2024	30581	36644	307

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Nakul Uppal-

- I. Won Second prize, oral paper, faculty category at 15th annual conference of Tamil Nadu state AOMSI.
- II. Won First prize, oral paper, faculty category at 4th annual national conference of EFICON

2. Dr. Santhosh Rao

- I. We won the Second Best Paper Award in the prestigious Ginwalla prize paper category at the 47th Annual National Conference of the Association of Oral and Maxillofacial Surgeons of India, held from November 23rd to 25th, 2023, in Delhi. The award was for our project titled

"Outcome of Concomitant Total Temporomandibular Joint Replacement and Orthognathic Surgery in TMJ Ankylosis,"

3. Dr. Manish J. Raghani

- I. Won 1st Prize for a Scientific Poster titled "Penetrating injury of the Orbit! - A Risky Expedition" as co-author at the 8th State Conference of Chhattisgarh State Chapter of AOMSI. "CGMAXCON 2024" Raipur, C.G., 9th March 2024.
- II. Successfully completed a hands-on training Masters Course on Advances in Orthognathic Surgery at Davos, Switzerland in December 2023

Department of Dentistry - Event Report

Event : World Oral Health Day

Date : 20 March 2024

1. Awareness talk and demonstration: Department of Dentistry





The Junior and Senior residents, accompanied by Dr Manish Raghani and Dr Nakul Uppal, delivered an awareness talk regarding importance of oral health and the development and detection of precancerous lesions, which was followed by a demonstration on proper oral brushing and flossing methods. Queries brought up by the audience were also addressed in the process.

2 *Awareness talk and demonstration: Healthcare workers*



A targeted oral health awareness talk was delivered to the sanitation and cleaning workers of AIIMS Raipur. The queries regarding the oral hygiene practices were addressed and importance of regular oral health examination was discussed.

3 *Slogan writing competition*

Among the patients waiting in the dental OPD, a slogan writing competition was organised. The best 3 slogans were awarded a free oral cleaning session at the Department of Dentistry.

4. *State of the art with Temporomandibular Joint Replacement*



DEPARTMENT OF DERMATOLOGY

Additional Professor

Dr. Satyaki Ganguly

Associate Professor

Dr. Namrata Chhabra Sharma

Assistant Professors

Dr. Neel Prabha

Dr. Navneet Kour

Dr. Soumil Khare

HIGHLIGHTS

There were notable achievements by the Faculty and Postgraduate students of the Department of Dermatology in the past year. The department organised a Comprehensive CME and workshop on dermoscopy on 27.08.2023 with participation of renowned national faculties including members of Special interest group (SIG) Dermoscopy with excellent audience participation in good numbers. Carried out a patient interaction programme for leprosy patients on the occasion of world Leprosy Day on 30th January. Weekly Leprosy special clinic was started for better care of leprosy patients.

EDUCATION

The Department of Dermatology has a post-graduate training programme since 2018 with an annual intake of 4 students per year. Post-graduate students of the Department, Dr. Sujana Bharadwaj and Dr. P S Meghana Reddy won the first prize, Dr. Tamilkumar S and Dr. Ayush Bhatnagar won the second prize and Dr. Preethaa Sri P and Dr. Aathira VS won the third prize in the PG quiz in state conference MID CUTICON CG 2023 at Raipur. Dr.

Tamilkumar S won the IADVL scholarship for national conference MID DERMACON 2023 at Calicut. Dr. Ayush Bhatnagar, Dr. Preethaa Sri P and Dr. Aathira VS won the IADVL scholarship for national conference DERMACON 2024 at Hyderabad. Dr. Ayush Bhatnagar won the first prize for award paper presentation in state conference CUTICON CG 2023 at Raipur. Dr. Tamilkumar S and Dr. Preethaa Sri P secured second place in the combined state round for Madhya Pradesh and Chhattisgarh for IADVL-GSK quiz. Our post-graduate passed out students Dr. Anju George C and Dr. Jemshi S Rahim were awarded World Congress of Dermatology 2023 scholarship to present their thesis in 25th World Congress of Dermatology at Singapore on 3rd July 2023.

Academic Development

Post-graduate students belonging to departments of General medicine, Pediatrics, Community Medicine, Emergency Medicine and Microbiology attended their peripheral postings in Dermatology department. In Addition, DM (Clinical Infectious Diseases) and DM (Pediatric Emergency Medicine) students also attended their

peripheral postings in the Department of Dermatology. The Department along with the Department of Pathology participated in fortnightly Dermatopathology CPC. The Department also participated in 2 integrated teaching sessions and undertook two teaching sessions organised by the Medical Education Unit for undergraduate teaching, in addition to regular undergraduate theory lectures and clinical

postings. Conducted a weekly academic meet with talks on 'Benign cutaneous adverse reactions to drugs' and 'Rash Decision: Navigating the World of Severe Cutaneous Drug Reactions' by Dr. Akshay Sankar P, Senior Resident and Dr. Navneet Kour, Asst. Prof. respectively. The department of dermatology also presented a case in the mortality meet on 21.07.2023.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Unlocking the potential of Dermoscopy	Comprehensive CME on Basic to Advanced concepts	27.08.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL CG and Department of Dermatology, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Satyaki Ganguly

S. No.	Title	CME/Conference	Date	Organized By
1.	Pediatric dermatological emergencies	Webinar	22.02.2024	IAP Pediatric Emergency Chapter
2.	Mycetoma: A Disease that Needs Our Attention	Clinico-Mycolological Update: Uncovering the unknown	31.01.2024	Dept. of Microbiology, AIIMS, Raipur
3.	Genodermatoses	10th Virtual PGCON 2022	9.12.2023	Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) EC and Academy
4.	Acne management across ages	DERMAZONE SOUTH 2023	14.10.2023	IADVL Pondicherry branch

5.	Lepra reaction and it's management	DLO training session	11.10.2023	Regional Leprosy Training and Research Institute, Raipur
6.	Expect the unexpected: atypical presentations and rare diseases	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh branch
7.	Skin manifestations of rheumatic diseases	First National Symposium in Rheumatology	22.07.2023	Dept. of General Medicine, AIIMS, Raipur

Dr. Namrata Chhabra Sharma

S. No.	Title	CME/Conference	Date	Organized By
1.	Dermatophytoses: new challenges	Clinico-Mycological Update: Uncovering the unknown	31.10.2024	Dept. of Microbiology, AIIMS, Raipur
2.	Hidradenitis suppurativa Beyond the Basics: Recent Management Developments	Cuticon Chhattisgarh 2023	30.09.2023	IADVL Chhattisgarh branch

Dr. Neel Prabha

S. No.	Title	CME/Conference	Date	Organized By
1.	How drug resistance testing is done in leprosy	CUTICON CG	30.9.2023	IADVL Chhattisgarh
2.	Neuropathic pain management in leprosy	CME on update on various aspects of Neural involvement in leprosy	8.10.2023	IADVL Odisha and SIG leprosy

Dr. Soumil Khare

S. No.	Title	CME/Conference	Date	Organized By
1.	How to differentiate scalp psoriasis from seborrheic dermatitis by trichoscopy	TrichologyUpdate 2023, Mumbai	09.06.2023-11.06.2023	Trichology India
2.	Trichoscopy	Trichoscopy and Trichology workshop - Patna	16.07.2023	Academic dermatology association - India

3.	Basics of dermoscope and its implications	Comprehensive CME on Basic to Advanced concepts, Raipur	27.08.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL CG and Department of Dermatology, AIIMS, Raipur
4.	Trichoscopy of Scarring Alopecia	Comprehensive CME on Basic to Advanced concepts, Raipur	27.08.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL CG and Department of Dermatology, AIIMS, Raipur
5.	Trichoscopy of Non-Scarring Alopecia	All about Trichoscopy - Bangalore	24.09.2023	Bangalore dermatology society
6.	Dermoscopy Deciphering Diagnosis	Cuticon Chhattisgarh 2023	01.10.2023	IADVL Chhattisgarh branch
7.	Dermoscopy	10 th annual Virtual PGCON 2023	16.12.2023	IADVL EC & IADVL Academy
8.	The standardized dermoscopic terms for analysis of Non-Tumoral Dermatoses in skin of color	Dermoscopy CME - iSpy	25.12.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL Odisha
9.	ABRACADABRA - 3D models of Trichoscopic hair shafts	Dermoscopy CME - iSpy	25.12.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL Odisha
10.	My way or Highway Debate	Dermoscopy CME - iSpy	25.12.2023	IADVL EC AND SIG Dermoscopy (IADVL Academy) in association with IADVL Odisha
11.	Dermoscopy of Hyperpigmentary disorders	International symposium on Dermoscopy	06-07.04.2024	IADVL Pune Chapter in association with International dermoscopy society and Department of dermatology, BVP Pune

12.	Trichoscopy of Congenital hair shaft disorders	International symposium on Dermatoscopy	06.04.2024-07.01.2024	IADVL Pune Chapter in association with International dermoscopy society and Department of dermatology, BVP Pune
13.	Trichoscopy	Trichoscopy workshop	18.02.2024	GMC Nagpur
14.	Dermoscopy of inflammatory disorders	DERMACON Hyderabad (52 nd national conference of IADVL)	22.02.2024	IADVL
15.	Trichoscopy of Scarring alopecia	DERMOSCOPY AND TRICHOSCOPY: Preceptorship & Hands on Training basics	31.03.2024	Department of Dermatology, PGIMER, Chandigarh Under the aegis of International Dermoscopy Society
16.	Dermoscopy of Infections and infestations	DERMOSCOPY AND TRICHOSCOPY: Preceptorship & Hands on Training basics	31.03.2024	Department of Dermatology, PGIMER, Chandigarh Under the aegis of International Dermoscopy Society

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Ganguly S, Naik KP	Dapsone induced haemolytic anaemia among leprosy patients in Central India (Poster)	World Congress of Dermatology 2023, Singapore	3.07.2023	Dermatology Society of Singapore
2.	Aathira VS	Primary Systemic amyloidosis: Case series	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh Branch
3.	Aathira VS	Visualising the invisible: dermatoscopy in cutaneous T cell lymphoma	International Symposium on Dermatoscopy	7.01.2024	IADVL Pune Chapter
4.	Aathira VS, Ganguly S, Khare S	Dermoscopy as a tool to assess stability in vitiligo(Poster)	DERMACON 2024	23.02.2024	IADVL Telangana

5.	Aathira VS, Ganguly S, Wankhede A	Primary Cutaneous mucormycosis at cannulation site: a rare presentation (Poster)	DERMACON 2024	23.02.2024	IADVL Telangana
6.	Nirmala VT	Enigma in the management of generalised morphea	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh Branch
7.	Bhatnagar A, Ganguly S	Toxic epidermal necrolysis like Acute LE: A rare variant of ACLE (Poster)	First National Symposium in Rheumatology	22.07.2023	Dept. of General Medicine, AIIMS, Raipur
8.	Bhatnagar A	Unveiling the transformation: A series of squamous cell carcinoma arising from premalignant dermatosis* First prize in award paper	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh Branch
9	Bhatnagar A	Rodent tail unveiled: A case series of Dermatoscopic features of basal cell carcinoma on skin of colour	International Symposium on Dermatoscopy	7.01.2024	IADVL Pune Chapter
10.	Bhatnagar A, Chhabra N	Double trouble: herpes zoster induced nerve palsy	DERMACON 2024	23.02.2024	IADVL Telangana
11.	Preethaa SP	Unveiling the clinical spectrum of primary cutaneous T cell lymphoma: symptoms, subtypes and diagnostic challenges	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh Branch

12.	Preethaa SP, Chhabra N	Unveiling erythroderma's shadow-manifestation of cutaneous T cell lymphoma (Poster)	DERMACON 2024	23.02.2024	IADVL Telangana
13.	Patel PC, Ganguly S	Two rare cases of SLE masquerading as other dermatological disorders (Poster)	First National Symposium in Rheumatology	22.07.2023	Dept. of General Medicine, AIIMS, Raipur
14.	Patel PC	SLE: a wolf in sheep's clothing- a tale of 5 cases	CUTICON CG 2023	1.10.2023	IADVL Chhattisgarh Branch
15.	Choudhary R, Ganguly S, Borkar NB	Basidiobolomycosis- A Case Series of Neglected Rare Subcutaneous Fungal Infection from Central India (Poster)	World Congress of Dermatology 2023, Singapore	3.07.2023	Dermatology Society of Singapore
16.	George CA, Chhabra N, Patel S	Serum levels of interleukin 17 and 25-hydroxy vitamin D levels in non segmental vitiligo: A case control study (Poster)	World Congress of Dermatology 2023, Singapore	3.07.2023	Dermatology Society of Singapore
17.	Rahim JS, Ganguly S	Efficacy and safety of intralesional Candida albicans antigen versus intralesional mumps measles rubella vaccine in treatment of multiple cutaneous warts: A double blinded randomized controlled trial (Poster)	World Congress of Dermatology 2023, Singapore	3.07.2023	Dermatology Society of Singapore

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (₹)
1.	A 24 week multicenter, open-label, single -arm, phase 4 study to evaluate the safety of Ixekizumab in patients with moderate-to-severe plaque psoriasis or active psoriatic arthritis in India	Dr. Satyaki Ganguly	Eli Lilly Pvt. Ltd.	1	2023-2024	62,500
2.	Effect of leprosy reaction on quality of life and to compare it with leprosy patients without reaction	Dr. Namrata Chhabra Sharma	Chhattisgarh Council of Science and Technology	2 years	2023-2025	2,25,000

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (₹)
1.	To study the effectiveness and safety of Prednisolone and Colchicine in comparison with Prednisolone alone in the treatment of moderate and severe Erythema Nodosum Leprosum: An open label randomized controlled trial.	Dr Namrata Chhabra Sharma	IADVL	2 years	2021-2023	76,000

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations*Ongoing*

S. No.	Project
1.	Evaluation of risk factors and serological determinant (anti PGL 1) in lepra reactions in a tertiary care institute
2.	Monocyte to High density lipoprotein ratio (MHR) and monocyte to lymphocyte ratio (MLR) in Vitiligo: A case control study
3.	Identification of Candida species isolated from Patients of pemphigus Vulgaris with Oral Candidiasis and their antifungal sensitivity pattern

4.	A cross-sectional study of clinical and mycological profile of onychomycosis
5.	Probiotics as an adjunct therapy to desloratadine as compared to desloratadine alone in chronic spontaneous urticaria- An open labelled randomized controlled trial at a tertiary care centre in Central India
6.	Prevalence of chronic kidney disease among psoriasis patients in tertiary care institute of central India: A cross sectional study
7.	Prevalence of cyclosporine induced hypomagnesemia in psoriasis patients: A cross sectional study

Completed

S. No.	Project
1.	Patch testing and quality of life among foot eczema patients in a tertiary care institute of Central India
2.	Comparison of The Efficacy of Topical Methotrexate 1% Gel Versus Topical Betamethasone Dipropionate 0.05% Lotion in The Treatment of Localized Scalp Alopecia Areata in A Tertiary Care Institute of Central India: A Randomized Control Trial
3.	Bacterial skin infection in pemphigus vulgaris and it's correlation with the disease severity: A hospital-based cross-sectional study
4.	Clinico-Epidemiological Profile and The Risk Factors Associated with The Severity of Pediatric Atopic Dermatitis- A Cross Sectional Study
5.	A Study on The Clinicoepidemiological Profile of acne Scars and its Effect on the quality of life in a Tertiary Care Institute of Central India

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	A clinico-microbiological study of various sexually transmitted diseases among MSM population visiting a tertiary health-care center: First study from Central India	Microbiology
2.	A comparative study of Electrophysiological changes observed in Posterior Tibial Nerve (PTN) of Leprosy Patients and normal volunteers	Physical medicine and Rehabilitation

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Factors influencing nonadherence to multi-drug therapy and effect of electronic message-based health education in improving adherence among the patients with Hansen's disease in AIIMS, Raipur	Community Medicine
2.	Expression of IL-37 and NLRP3 in the skin lesions of leprosy	Pathology

PUBLICATIONS

1. Yadav H, **Ganguly S**, Singh A. Role of Patch Testing in Facial Contact Dermatitis: A Cross-Sectional Study from Central India. *Indian Dermatol Online J.* 2024 Feb 28;15(2):242-246.
2. Ahmed G, **Ganguly S**, Rahim JS, George C A, Karim HMR. Clinico-Demographic Profiles of Herpes Zoster Cases in Patients With and Without COVID-19 Infection During the Pandemic: A Retrospective Analysis of 32 Cases. *Cureus.* 2023;15(6):e40063.
3. **Chhabra N**, Sri P, **Ganguly S**. Linezolid: a safer and effective substitute to aminoglycoside in the treatment of actinomycetoma by *Nocardia* species. *Int J Dermatol.* 2023 Sep;62(9):1160-1163.
4. Kumar P, Singh A, **Prabha N**, **Ganguly S**, Dudhe M. Role of Autoerythrocyte Sensitization Test in the Diagnosis of Recurrent Spontaneous Bruising. *Indian Dermatol Online J.* 2023;14(3):375-378.
5. **Chhabra N**, Reddy PSM, Bhatnagar A, **Ganguly S**. Penicillamine-Induced Stevensjohnson Syndrome-Toxic Epidermal Necrolysis (Sjs-Ten) Overlap In An Hiv-Infected Patient With Wilson's Disease And Hepatitis B. *Curr Drug Saf.* 2023 May 25.
6. Dudhe MS, Singh A, **Ganguly S**, Singh C. Hydroxyurea-Induced Cutaneous Ulcers in a Sickle Cell Disease Patient. *Indian Dermatol Online J* ();10.4103/idoj.idoj_257_23, November 07, 2023. | DOI: 10.4103/idoj.idoj_257_23
7. Ankad BS, Errichetti E, Lallas A, Chauhan P, Malani S, Neema S, Bhat YJ, Vinay K, Behera B and **Khare S**. (2023), Dermoscopy of Hailey-Hailey disease in dark skin: a multicentric observational controlled study by the International Dermoscopy Society Task Force on "Imaging in Skin of Color". *Int J Dermatol.* <https://doi.org/10.1111/ijd.16689>
8. **Prabha N**, **Khare S**, Yadav H. Bilateral Thickened Transverse Cervical Nerve in a Leprosy Patient. *Skinmed.* 2023 Sep 29;21(4):271-272. PMID:37771020.
9. **Khare S**, Behera B, Ding DD. Dermoscopy of Hair and Scalp Disorders (Trichoscopy) in Skin of Color - a systematic review by the International Dermoscopy Society "Imaging in Skin of Color" Task Force. *DermatolPract Concept.* 2023;13(4)S1:e2023310S. DOI: <https://doi.org/10.5826/dpc.1304S1a310S>
10. Sawiska M, kiewicz J, Behera B, Ding DD, Lallas A, Chauhan P, **Khare S**, et al. Dermoscopy of Inflammatory Dermatoses

- (Inflammoscopy) in Skin of Color - a systematic review by the International Dermoscopy Society "Imaging in Skin of Color" Task Force. *DermatolPract Concept*. 2023;13(4):e20232975. DOI: <https://doi.org/10.5826/dpc.1304S1a2975>
11. Enechukwu NA, Behera B, Ding DD, Lallas A, Chauhan P, **Khare S**, et al. Dermoscopy of Cutaneous Neoplasms in Skin of Color - a systematic review by the International Dermoscopy Society "Imaging in Skin of Color" Task Force. *DermatolPract Concept*. 2023;13(4)S1:e2023308S. DOI: <https://doi.org/10.5826/dpc.1304S1a308S>
 12. Chauhan P, Behera B, Ding DD, Lallas A, Chauhan P, **Khare S**, et al. Dermoscopy of Infectious Dermatoses (Infectioscopy) in Skin of Color - a systematic review by the International Dermoscopy Society "Imaging in Skin of Color" Task Force. *DermatolPract Concept*. 2023;13(4):e2023309S. DOI: <https://doi.org/10.5826/dpc.1304S1a309S>
 13. **Chhabra N**, Kumar TS, Singh I, **Ganguly S**. Morphological index as a sensitive marker of drug resistance in leprosy: A case series. *Indian J Dermatol* ():10.4103/ijd.ijd_781_23, March 20, 2024. | DOI: 10.4103/ijd.ijd_781_23
 14. George CA, **Chhabra N**. Resorcinol in Dermatology. *Indian J Postgrad Dermatol*. 2024;2:20-3.
 15. George CA, **Chhabra N**, Patel S. Vitamin D and interleukin 17: Are these serum biomarkers useful in non segmental vitiligo? A case control study from Central India. *Indian J Dermatol* 2023;68:725
 16. Ahmed G, **Chhabra N**, George AC, Choudhary R. A Rare Occurrence of Claw Hand and Wrist Drop Deformity in Herpes Zoster. *Skinmed*. 2023 Dec 5;21(6):441-443.
 17. Choudhary R, **Chhabra N**, Patel S. Comparison of Serum Levels of Interleukin 17 and Interleukin 9 in Leprosy Patients with and without Leprosy Reaction: A Cross-Sectional Analytical Study from Central India. *Indian J Dermatol*. 2023 Nov-Dec;68(6):661-665.
 18. Singh A, **Chhabra N**, Singh C. Rare Presentation of Immune Compromised District: Disseminated Herpes Simplex Infection over Active Dermatophytosis in an Immunocompromised Patient. *Indian J Postgrad Dermatol* 2023;1:107-9.
 19. Kanoje PK, **Kour N**, Zamre P, Mohod A, Harnalikar M. Clofazimine Therapy In Dermatology: Review. *Research Journal of Pharmaceutical, Biological and Chemical Sciences* 2023.14.4.54
 20. **Prabha N**. Do steroids cause drug resistance in leprosy?; *Lepr Rev* 2023; 94:253-254.
 21. **Prabha N**, Satarkar R, Bhardawaj S. Erythematous papules predominately over photo-exposed areas. *Int J Dermatol*. 2024;63(2):177-178
 22. **Prabha N**, Chetankumar PP. Letter in response to "evaluation of needling-induced autoinoculation in the management of genital warts". *Int J Dermatol*. 2024;63(2):e39

PATIENT CARE

	OPD	IPD	Minor OT	Tests	Special Clinics
Total	62304	540	9183	1843	97 Since 17.08.23

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Satyaki Ganguly was a moderator for panel discussion 'Management of Anti-microbial drug resistance in leprosy' in World anti leprosy day webinar by IADVL EC and SIG Leprosy (IADVL Academy) and IAL on 28th January 2024. He was awarded World Congress of Dermatology 2023 scholarship to present a poster in 25th World Congress of Dermatology at Singapore on 3rd July 2023. He was selected as a subject expert for joint collaborative exercise between the Department of Health Research/ICMR and National Medical Commission, New Delhi for identification of

MD/MS thesis topics. He was member of the selection committee for recruitment at ESIC Hospital, Raipur. He is a member of the Institute ethics committee for CSVTU, Bilai. He was the organising chairperson for CME 'Unlocking the potential of Dermoscopy' on 27.08.2023.

Dr. Neel Prabha was the moderator of a panel discussion on 'Antimicrobial resistance & Leprosy' in CUTICON CG on 30.9.2023.

Dr. Soumil Khare was the Organising secretary for CME 'Unlocking the potential of Dermoscopy' on 27.08.2023.



Photo: Inauguration of CME 'Unlocking the potential of Dermoscopy' by Dean research Prof. (Dr.) Sarita Agarwal

DEPARTMENT OF ENDOCRINOLOGY & METABOLISM

Associate Professor

Dr. Amritava Ghosh

HIGHLIGHTS

The Department started DM (Endocrinology) course. Work was done on a number of research projects.

Academic Development

DM (Endocrinology) course was started with annual intake of 2 students (1 student per session). Dr. Amritava Ghosh delivered a talk titled 'Disorders of Water Balance' in weekly academic meet on 2.02.2024.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amritava Ghosh

S. No.	Title	CME/Conference	Date	Organized By
1.	Resistant Hypertension: Cardiac, Renal & Endocrine Dialogue	1 st Annual Conference of Chhattisgarh Obesity Diabetes & Endocrine Society (CODECON 2023)	04.06.2023	Chhattisgarh Obesity Diabetes & Endocrine Society
2.	Internal Assessment	6 th Teachers Training on Medical Education Technology	25.09.2023-27.09.2023	AIIMS, Raipur
3.	Newer Classification and Newer Clusters of Diabetes Mellitus	Global Diabetes Forum Conference (GDFCON 2023)	07.10.2023-08.10.2023	Global Diabetes Forum
4.	Defining Subclinical Hypothyroidism in Pregnancy	52 nd Annual Conference of Endocrine Society of India (ESICON 2022) and 2 nd Annual Conference of Endocrine Society of Telangana	14.12.2023-17.12.2023	Endocrine Society of India and Endocrine Society of Telangana

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Yerra V, Ghatte J, Sinha M, Chatur D, Wasnik PN, Ghosh A	Assessment of Cognitive dysfunction in patients of Type 2 Diabetes Mellitus with peripheral neuropathy	69 th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON 2023)	30.11.2023-02.12.2023	Association of Physiologists and Pharmacologists of India
2.	Pant K, Pandit VR, Ghosh A , Kannauje PK	Clinical Profile of Patients with Hypopituitarism in a Tertiary care centre in Central India	79 th Annual Conference of the Association of Physicians of India (APICON 2024)	22.02.2024-25.02.2024	The Association of Physicians of India

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Role of Infrared Thermometry in the Management of Diabetic Foot Osteomyelitis	Dr. Amritava Ghosh	AIIMS, Raipur	2½	2022-2024	5,00,000/-

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations*Ongoing*

S. No.	Project
1.	A Pilot Study Evaluating Techniques of Ultrasonography Guided Percutaneous Ethanol Injection in Treatment of Cystic and Predominantly Cystic Thyroid Nodules
2.	A Retrospective Study on the Clinical Profile of People with Diabetes Mellitus Hospitalized with Covid-19

3.	Glycemic Control Among People with Diabetes Mellitus Hospitalized for Mucormycosis
4.	Role of Statins as Adjuvant Therapy in the Management of Mucormycosis
5.	Efficacy of antithyroid drug therapy among patients with Graves' disease in a tertiary care hospital in Chhattisgarh

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Intensive Glycemic Control for Diabetic Foot Ulcer Healing: A Multicentric Randomized Controlled Study (IN-GLOBE study)	Department of Endocrinology & Metabolism; Post Graduate Institute of Medical Education & Research, Chandigarh
2.	A Master Protocol to Investigate the Efficacy and Safety of LY3437943 Once Weekly in Participants with Type 2 Diabetes Mellitus who have Obesity or Overweight: A Randomized, Double-Blind, Placebo-Controlled Trial (TRIUMPH-2)	Department of General Medicine, All India Institute of Medical Sciences, Raipur
3.	Association Between p53 Codon 72 Polymorphism and Diabetic Polyneuropathy in Type 2 Diabetes Mellitus: A Pilot Study	Department of Physiology, All India Institute of Medical Sciences, Raipur
4.	Evaluation of Maternal and Fetal Outcomes in Women Diagnosed with GDM or Normoglycaemia using IADPSG Criteria, Among Women Diagnosed with Normoglycaemia by DIPSI Criteria: Prospective Multi-centre Observational Cohort Study	Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, Raipur
5.	Assessment of Left Ventricle Myocardial Performance Index (MPI / Tei Index) by Myocardial Tissue Doppler Imaging (TDI) and its Correlation with Serum TSH Levels and Atherogenic Index of Plasma (AIP) in Patients of Subclinical Hypothyroidism	Department of Cardiology, All India Institute of Medical Sciences, Raipur
6.	Clinical Profile of Hypopituitarism in a Tertiary Care Centre in Central India	Department of General Medicine, All India Institute of Medical Sciences, Raipur

7.	Characterization of Hyponatremia in Patients of Chronic Kidney Disease of Unknown Etiology (CKDu) Visiting AIIMS Raipur	Department of Nephrology, All India Institute of Medical Sciences, Raipur
8.	Expression of MicroRNA 221 and Endocan in Patients with Diabetic Peripheral Neuropathy- An Observational Study	Department of Biochemistry, All India Institute of Medical Sciences, Raipur
9.	Assessment of Bone Mineral Density and its Association with Clinical and Metabolic Parameters in Patients with Bipolar Disorder: A Cross-sectional study from Tertiary Care Centre	Department of Psychiatry, All India Institute of Medical Sciences, Raipur
10.	Detection of Subclinical Left Ventricular Dysfunction by Global Longitudinal Strain Imaging in Diabetic and Pre-Diabetic Patients and its Correlation with hs-CRP and HbA1c	Department of Cardiology, All India Institute of Medical Sciences, Raipur
11.	Spectrum of Real Time Shear Wave Ultrasound Elastography in Various Thyroid Disorders	Department of Radiodiagnosis, All India Institute of Medical Sciences, Raipur
12.	Characterization of Video Urodynamic Parameters in Female Patients with Diabetes Mellitus Complaining Lower Urinary Tract Symptoms	Department of Urology, All India Institute of Medical Sciences, Raipur
13.	Cognitive Dysfunction in Diabetic Neuropathy Patients- An Electrophysiological Approach	Department of Physiology, All India Institute of Medical Sciences, Raipur
14.	Efficacy of two doses (500 µg & 1000 µg of Vitamin B12 supplementation on glycaemic control in poorly controlled type 2 Diabetic patients with hyperhomocysteinemia	Department of Pharmacology, All India Institute of Medical Sciences, Raipur
15.	Characterization of Mineral Bone Disease in Patients of CKDu	Department of Nephrology, All India Institute of Medical Sciences, Raipur
16.	Evaluation of H-reflex Rate Dependent Depression as an Indicator of Spinal Disinhibition in Patients with Diabetic Polyneuropathy and its Molecular Correlates	Department of Physiology, All India Institute of Medical Sciences, Raipur
17.	Assessment of cognitive status and optic nerve function in patients of hyperthyroidism -A follow up study	Department of Physiology, All India Institute of Medical Sciences, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Correlation of Dual Energy X-ray Absorptiometry with Markers of Bone Metabolism in Femur Fractures	Department of Orthopaedics, All India Institute of Medical Sciences, Raipur
2.	A Cross Sectional Observational Study of the Prevalence of Dry Eye Among Type 1 and Type 2 Diabetic Patients	Department of Ophthalmology, All India Institute of Medical Sciences, Raipur
3.	Comparison of Retinal Nerve Fibre Layer and Ganglion Cell Complex Thickness in Type 1 and Type 2 Diabetes Mellitus Patients with Equal Duration of Disease: A Cross Sectional Comparative Observational Study	Department of Ophthalmology, All India Institute of Medical Sciences, Raipur
4.	Metformin versus Insulin therapy for Glycaemic Control in Pregnant Women with GDM: An Open Label Randomized Control Trial	Department of Obstetrics & Gynaecology, All India Institute of Medical Sciences, Raipur
5.	Prevalence of Neuropathy in Graves' Disease	Department of General Medicine, All India Institute of Medical Sciences, Raipur
6.	Clinical Correlates of Insulin Resistance in Patients of First-episode Schizophrenia and their first Degree Relatives - A Cross-Sectional Study	Department of Psychiatry, All India Institute of Medical Sciences, Raipur

PUBLICATIONS

- Chakravarty S, Nagarkar NM, Mehta R, Arora R, Ghosh A, Sharma AK, Satpute S, Aggarwal A. Skull Base Involvement in Covid Associated Rhino-Orbital-Cerebral Mucormycosis: A Comprehensive Analysis. *Indian J Otolaryngol Head Neck Surg.* 2023 Apr 8;75(3):1-13. doi: 10.1007/s12070-023-03717-1.
- Mehta R, Rao KN, Nagarkar NM, Ghosh A, Sakale H. Hungry Bone Syndrome Following Parathyroidectomy: a Comprehensive Systematic Review of Risk Factors. *Indian J Surg* 2023. <https://doi.org/10.1007/s12262-023-03853-6>.
- Badge R, Rathore V, Ghosh A, Saha AK, Pathak N. Coexistence of Type I diabetes and lupus nephritis in a young child. *Indian J Kidney Dis* 2024;3:31-3. doi: 10.4103/ijkd.ijkd_50_23

PATIENT CARE

	OPD	IPD	Minor OT	Tests	Special Clinics
Total	16322	151	310	2460	1369

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Amritava Ghosh was Member of the Jury for the prestigious event - national round of 17th ESITYSA Program- an annual academic event

conducted by Endocrine Society of India for selecting the best PG students of endocrinology.

DEPARTMENT OF ENT - HEAD & NECK SURGERY

Professor and Head

Prof. (Dr.) Renu Rajguru

Additional Professors

Dr. Rupa Mehta

Dr. Ripu Daman Arora

Associate Professors

Dr. Satish S Satpute

Dr. Sharmistha Chakravarty

HIGHLIGHTS

The Department of ENT and Head Neck Surgery, All India Institute of Medical Sciences, Raipur, is committed to provide holistic evidence based care to patients while also ensuring structured training and education for MBBS and MS and M.Ch students. The department is equipped with latest state of the art instruments and equipments for performance of advanced ENT surgeries. The entire spectrum of ENT, Head and Neck and skull base surgeries are performed in our department. Apart from providing world class patient care, the department is actively engaged in research, training activities and outreach programmes.

EDUCATION

The department is involved in the following teaching programmes:

- a. MBBS- Third MBBS Part-I
- b. MS (ENT)-05 residents/year
- c. M.Ch Head & Neck Surgery and Oncology-2/year

- d. BASLP (Bachelor of audiology and speech & language pathology) Students-04/year

At present three M. Ch Head and Neck Surgery and Oncology Residents, 12 M.S. E.N.T, residents along with nine BASLP (audiology Section) are getting structured training in the department.

RESIDENTS

Outstanding Achievements

1. Dr. Karthik N Rao won RAF Cooper Award for paper presentation on Artificial Neural Network to predict post-operative hypocalcaemia following total thyroidectomy at AOICON 2024 held in Jan 2024 at Bangalore.
2. Dr. Amit Kumar Banjare won 1st prize on best temporal bone dissector and cochlear implant at Annual conference of AOI HP and live surgical and hands on cadaveric temporal bone dissection workshop conducted between 27-29 Apr 2023 organised by IGMC Shimla. He also passed DNB exam conducted by NBE.

3. Dr. Shriyas Sinha passed DNB exam conducted by NBE.
4. Karthik P won Cochlear implant quiz (first prize) at Annual conference of AOI HP and live surgical and hands on cadaveric temporal bone dissection workshop organised by IGMC Shimla between 27-29 April 2023.
5. Dr. Himanshi Grover won first prize for poster on trotters' procedure- unique approach or base of tongue tumour, Cochlear implant quiz (first prize) at IOHP Shimla on 27-29 April 2023, Paper on Outcomes of modified gasket seal technique for csf rhinorrhoea repair: our experience (2nd prize) at AOICON 2024, Raipur CG, Otology quiz (first prize) at 11th CG state Annual ENT conference And Temporal bone dissection workshop organized by Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter between 01- 02.03.2024, Vertigo Quiz at Vertigo workshop organized by AOI, Durg on 08.04.2024.
6. Dr. Raima Mariam John won Quiz competition (First prize) at Durg-vertigo CME on 07.04.2024 organized by AOI, Durg, Otology quiz (first prize), Quiz (first prize) at 11th CG state Annual ENT conference and Temporal bone dissection workshop organized by AIIMS- AOI Raipur, Paper presentation (second prize) on Parathyroid adenoma- a hidden culprit at HPAOICON between 27-29.04.2023 organised by HPAOI.
7. Dr. Unnati Dhabarde won first prize Integrated Imaging Analysis: Harnessing Artificial Neural Networks for Salivary gland neoplasm Characterization at AOICON 2024, Raipur CG on 01-02.03.2024 organised by Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter
8. Dr. Shivangi Patnecha won first prize on Paper on Management of JNA - endoscopic approach at 11th CG state Annual ENT conference And Temporal bone dissection workshop on 01-02.03.2024 organised by AIIMS-AOIR.
9. Dr. Kritika won Quiz (first prize) at HPAOICON between 27-29.04.2023 organised by HPAOI.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES ORGANISED BY ENT DEPARTMENT:

S. No.	Title	CME/Conference	Date	Organized By
1.	Mid FHNOCON	Oral Cavity Carcinoma-comprehensive management	14.10.2023	Department of ENT, AIIMS Raipur in association with Federation of head neck oncologists and association of otolaryngologists, Raipur branch

2.	Two Days Skill Based Hands on Training Programme for Medical Officers	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	18-19.01.2024	Department of ENT, AIIMS Raipur in association with District Health Authorities
3.	Two Days Skill Based Hands on Training Programme for Medical Officers	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	16-17.02.2024	Department of ENT, AIIMS Raipur in association with District Health Authorities
4.	11th Annual State Conference of AOI, Raipur, Chhattisgarh	Annual State Level Temporal Bone Workshop & CME	01-02.03.2024	Department of ENT, AIIMS Raipur in association with AOI CG
5.	Community Outreach Programme	Ear Care Camp at Khairagadh Village	03.03.2024	Department of ENT, AIIMS Raipur
6.	Two Days Skill Based Hands on Training Programme for Nursing Officers	District level Training of Nursing officers under National Programme for Prevention and Control of Deafness (NPPCD)	16-17.03.2024	Department of ENT, AIIMS Raipur in association with District Health Authorities



LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Prof. (Dr.) Renu Rajguru**

S. No.	Title	CME/Conference	Date	Organized By
1.	Hadad-Bassagatesguy Flap in Skull Base Surgery	Endoscopic skull base cadaveric dissection workshop	12.08.2023	Skull Base Surgery society of India at AIIMS, Raipur
2.	Surgical Anatomy of Oral Cavity	Oral Cavity Carcinoma - comprehensive management	14.10.2023	Department of ENT, AIIMS Raipur in association with Federation of head neck oncologists and association of otolaryngologists, Raipur branch.
3.	Participant faculty	12 th Pan Asian Academy of Facial Plastic & Reconstructive Surgery Annual Conference	02-04.02.2024	Facial Plastic Society of India
4.	Participant faculty in AIIMS Oncology conclave	NCI- foundation day	11.02.2024	NCI -Jhajjar
5.	Vestibular Evoked Myogenic Potentials- an overview	11 th Annual State Conference of AOI, Raipur, Chhattisgarh	01-02.03.2024	Department of ENT, AIIMS Raipur in association with AOI, Raipur, Chhattisgarh
6.	Facial Nerve Decompression by Facial Recess approach	Mid Term Conference at Apollo Hospital, Delhi	10.03.2024	Women Association of otolaryngologists India
7.	Newborn Hearing Screening	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	18-19.01.2024	AIIMS, Raipur & Department of health & family welfare
8.	Newborn Hearing Screening	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	13-14.03.2024	AIIMS Raipur & Department of health & family welfare

Dr. Rupa Mehta

S. No.	Title	CME/Conference	Date	Organized By
1.	Participant faculty in AIIMS Oncology Conclave	NCI- Foundation Day	11-12.02.2024	NCI - Jhajjar
2.	Clinical presentation of External & Middle Ear Disorders	NPPCD	13-14.03.2024	Department of Health & Family Welfare
3.	Autonomic System and Vertigo	NESCON Jaipur	03-05.11.2023	41 st National Conference of NES
4.	Regenerative Medicine in Otorhinolaryngology	USAESCON Rishikesh	12-14.04.2023	AIIMS, Rishikesh
5.	Surgical Anatomy of Parotid Gland	Mid FHNOCON Patna	01.10.2023	Paras Hospital, Patna in association with FHNO
6.	Role of Regenerative Medicine and Nano-Technology in Otology	WAOI	17.09.2023	Women association of Otolaryngologists India
7.	Panelist in Panel discussion on Vertigo	Annual State Conference Chhattisgarh	01-02.03.2024	AIIMS, Raipur
8.	Co Scholastic activities in Medical Education	Medical Education Workshop	26-27.09.2023	AIIMS, Raipur

Dr. Ripu Daman Arora

S. No.	Title	CME/Conference	Date	Organized By
1.	Harmonic Scalpel in Head Neck Surgery	AOI Himachal Pradesh	28-29.04.2023	IGMC, Shimla
2.	Post graduate Quiz	AOI Himachal Pradesh	28-29.04.2023	IGMC, Shimla
3.	Temporal Bone Dissection: Otologist foundation	AOI Himachal Pradesh	28-29.04.2023	IGMC, Shimla
4.	Role of FDG-PET CT scan in pretreatment evaluation of Oral Carcinomas	7 th World Congress of the International Federation of Head and Neck Oncologic Societies	21-25.06.2023	Rome, Italy

5.	Correlation of Clinic-Radio-Cytology with Histopathology of Thyroid Nodule	7 th World Congress of the International Federation of Head and Neck Oncologic Societies	21-25.06.2023	Rome, Italy
6.	Guest lecture on & quote; Survival and Clinical Implications in COVID-Associated Mucormycosis: Insights from a Single Tertiary Care Centre & quote	34 th Annual conference of All India Rhinology society, RHINOCON 2024	15-17.12.2023	Bikaner, Rajasthan
7.	Guest lecture on "Pearls and Pitfalls in Stapes Surgery" organized by association of otolaryngologists of India	AOI Delhi	22-24.09.2023	Lady Harding Medical College and hospital, New Delhi
8.	Guest lecture on & quote; COVID-Associated Mucormycosis: Our experience and current scenario	National CME and Workshop on Clinico-Mycological Update: Uncovering the unknown'	30-31.01.2024	AIIMS, Raipur
9.	Lecture on "Hearing care and Surgical Management of Hearing loss"	for Forth level training of medical officers under National programme for prevention and control of India (NPPCD)	18.01.2024	AIIMS, Raipur
10.	Hands on Training for ENT examination and basics of Foreign Body removal	for training of medical officers National programme for prevention and control of India (NPPCD)	19.01.2024	AIIMS, Raipur
11.	Lecture on "Hearing care and Surgical Management of Hearing loss"	for Forth level training of RBSK and RMA under National programme for prevention and control of India (NPPCD)	16.02.2024	AIIMS, Raipur
12.	Hands on Training for ENT examination and basics of Foreign Body removal	for training of RBSK and RMA National programme for prevention and control of India (NPPCD)	17.02.2024	AIIMS, Raipur

13.	Quiz master for post graduate Otolaryngology Quiz	Annual state conference of AOI, CG	01-02.03.2024	AIIMS, Raipur
14.	Guest lecture on "Powered instruments in Head & Neck cancer" at MID FNHOCON	CME on Comprehensive oral cancer management	14.10.2023	AIIMS, Raipur

Dr. Satish S Satpute

S. No.	Title	CME/Conference	Date	Organized By
1.	Management of pre-malignant lesions of oral cavity	Mid FNHOCON CME on Comprehensive oral cancer management	14.10.2023	AIIMS, Raipur
2.	Management of Tracheal stenosis our experience	PHONOCON 2024	10.02.2024	Guwahati
3.	Diseases of Inner ear, Medical Treatment and red flag signs	NPPCD training Programme for Medical Officer	18-19.01.2024	AIIMS, Raipur
4.	Allergic Rhinitis: Newer modalities of treatment	ENT Webinar Med Plus	11.11.2023	AIIMS, Raipur
5.	Diseases of Inner ear, Medical Treatment and red flag signs	NPPCD training Programme for Medical officer (RBSK)	16-17.02.2024	AIIMS, Raipur
6.	Difficult Airway conditions: ENT Perspective	Lecture Presentation in Department of ENT	02.02.2024	GMC Ambikapur
7.	Workshop on Voice & Laryngology	Hands on Training of LASER	15-16.07.2023	Medanta the Medicity, Gurugram
8.	PHONOCON 2024	Hands on training of Airway Procedure on Goat Neck + LASER	11.02.2024	Guwahati, Assam
9.	Workshop on "Power Point Presentation"	Hands on training	08-09.09.2023	AIIMS Raipur
10.	Course on Allergy & Rhinology	Online course	10.11.2023	Wiley Continues Professional Development Certification Learning Programme

Dr. Sharmistha Chakravarty

S. No.	Title	CME/Conference	Date	Organized By
1.	Facial paralysis and Mastoiditis as initial presentations of Systemic diseases involving temporal bone: Institutional experience	ISOCON (Annual National Conference of Indian Society of Otology)	24-26.11.2023	Indian Society of Otology
2.	Oral cancer: Epidemiology, Risk factors & Pre-malignant lesions of oral cavity	FHNO conference	14.10.2024	Dept. of ENT, AIIMS, Raipur
3.	Participated	8 th Global Rhinoplasty Update 2024 (8th international Rhinoplasty Congress)	12-13.01.2024	Naksh Rhinoplasty Centre, Jaipur, Rajasthan
4.	Overview of Vestibular Disorders: Diagnosis to treatment	11 th Annual State Conference of AOI, Raipur, Chhattisgarh	01-02.03.2024	AOI, Raipur, Chhattisgarh
5.	Two Days Skill Based Hands on Training Programme for Medical Officers as Master Trainer- "Clinical assessment methods in ENT"	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	18-19.01.2024	AIIMS, Raipur
6.	Two Days Skill Based Hands on Training Programme for Medical Officer as Mater Trainer- "Examination of ear, nose, throat"	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	16-17.02.2024	AIIMS, Raipur
7.	Skill Based Hands on Training Programme for Medical Officers Master Trainer- "How to examine patients with ENT problems"	District level Training of medical officers under National Programme for Prevention and Control of Deafness (NPPCD)	13.03.2024	AIIMS, Raipur

DEPARTMENTAL RESEARCH

S. No.	Name of the Research Project	Principal Investigator/PI	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
Dr. Rupa Mehta						
1.	Evaluation of Amyloid Precursor Protein m-RNA expression in tissue and saliva of HNSCC patients	PI	AIIMS, Raipur	4	2020-24	5 lakhs
2.	Audio logical profile of sickle cell disease patients in central India.	PI	-	-	-	-
3.	Incidence, Pattern and Degree of hearing loss following Acute CNS Infection (Meningitis and Meningoencephalitis) in children (neonate - 15 years)	PI	-	-	-	-
4.	Detection of ENT Diseases and severity stages using artificial intelligence based techniques on otoscopic images	PhD thesis (co - PI) NIT	-	-	-	-
5.	"Comprehensive and integrated genomic analysis of Tongue squamous cell carcinoma with normal adjacent tissue samples using Whole RNA sequencing."	PhD thesis (co - PI) Department of pathology	-	-	-	-
Dr. Ripu Daman Arora						
1	Prevalence of occupational noise induced hearing loss among industrial workers in Raipur, Chhattisgarh	PI	Chhattisgarh Council of Science and Technology	-	-	3,09,000
2	Study of endoscopic advantage over conventional approach for teaching by dissection of Nose-PNS and anterior skull base for undergraduate teaching	CO-PI	AIIMS, Raipur	-	-	5,00,000

3	To study the effect of systemic bloodpressure on the perfusion of free flapsin cases of head and neck andextremity reconstruction using photoplethysmography	CO-PI	AIIMS, Raipur	-	-	5,00,000
4	Outcome assessment of indigenous designed Patient Specific Implant with integrated Dental components for early rehabilitation of Oro Maxillarydefect secondary to Post COVID-19 Rhino-Maxillary Mucormycosis, A Prospective Cohort Pilot Study & quot.	CO-PI	ICMR	-	-	96,81,865.60
Dr. Satish Satpute						
1	Incidence of adverse outcomes and risk factors for mortality among Mucormycosispatients in India: a multi-centric ambispective cohort study, 2021-2022	Extramural (ICMR) PI	-	-	-	-
2	Study of predisposing factors and fungal profile of otomycosis in patients visiting to tertiary care hospital in central India	Co-PI	-	-	-	-
Dr. Sharmistha Chakravarty						
1	Spectrum of neurological manifestations in cases of Rhino-Orbito-cerebral Mucormycosis	PI	-	-	-	-
2	Glycemic control among people with diabetes mellitus hospitalized for mucormycosis	Co-PI	-	-	-	-
3	Role of statins as adjuvant therapy in the management of mucormycosis	Co-PI	-	-	-	-

RESEARCH

As co-investigator (Completed)

1. Incidence of adverse outcomes and risk factors for mortality among Mucormycosis patients in India: a multi-centric ambispective cohort study, 2021-2022-Co-investigartor (ICMR-Extramural study)
2. Clinico-mycological study of post covid mucormycosis reported to tertiary care hospital in the state of Chhattisgarh-Co-investigator
3. Study of endoscopic advantage over conventional approach for teaching by dissection of nose-pns and anterior skull base for undergraduate teaching as intramural grant project with Dr. Soumitra Trivadi from Anatomy department

DEPARTMENTAL PUBLICATIONS

1. Rao KN, Rajguru R, Dange P, Vetter D, Triponez F, Nixon IJ, Randolph GW, Mäkitie AA, Zafereo M, Ferlito A. Lower Rates of Hypocalcemia Following Near-Infrared Autofluorescence Use in Thyroidectomy: A Meta-Analysis of RCTs. *Diagnostics*. 2024 Feb 27;14(5):505.
2. Rao KN, Arora R, Rajguru R, Nagarkar NM. Artificial neural network to predict post-operative hypocalcemia following total thyroidectomy. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Mar 25:1-9.
3. Mehta R, Nagarkar NM, Bodhey NK, Gupta RK, Satpute SS. Clinical, Radiological, and Pathological Correlation of Mandibular Invasion in Carcinoma Bucco-alveolar Complex. *Indian Journal of Surgical Oncology*. 2024 Feb 28:1-2.
4. Chandran M, Mehta R, Nagarkar NM, Bhargava A, Mohapatra E, Pati SK. Rhinosporidiosis-Epidemiological, Clinoradiological, Immunological Profile. *Iranian Journal of Otorhinolaryngology*. 2023 Sep;35(130):255.
5. Mehta R, Ponnuvelu S, Kuotsu R, Nagarkar NM. Osteosarcoma of the sphenoid sinus extending to ethmoid sinus-report of a rare case with review of literature giving special emphasis on treatment and outcome. *The Egyptian Journal of Otolaryngology*. 2023 Nov 15;39(1):172.
6. Somkuwar S, Vijayabharathi P, Galhotra V, Rao S, Nagarkar NM, Raghani M, Pathak VK, Mehta R. Clinical, Demographic, and Oral Presentations of COVID-19 Associated Mucormycosis from a Tertiary Care Hospital in India: A Cross-Sectional Study. *Journal of Maxillofacial and Oral Surgery*. 2023 Dec; 22(4):1130-8.
7. Aggarwal J, Dola JK, Rathore V, Mehta R, Kumar A, Ravina M. Acute airway obstruction: An unusual presentation of Post-transplant lymphoproliferative disorder in a renal transplant recipient. *Exp Clin Transplant* 2024.[Accepted for publication]
8. Satija A, Anand T, Mukherjee A, Velamuri PS, Singh KJ, Das M, Josten K, Keche AY, Nagarkar NM, Gupta P, Himanshu D. Satellite epidemic of Covid-19 associated mucormycosis in India: A multi-site observational study. *Mycopathologia*. 2023 Oct;188(5):745-53.

9. Rao KN, Arora RD, Sharma A, Mehta R, Satpute S, Dange P, Nagarkar NM. Endoscopic Sellar Defect Reconstruction with Avascular Modified Gasket Seal Technique for Sellar Tumors. *Indian Journal of Surgical Oncology*. 2023 Oct 4:1-7.
10. Rao KN, Arora R, Dange P, Nagarkar N, Mäkitie AA, Kowalski LP, Eisbruch A, Hamoir M, Civantos FJ, Vander Poorten V, Ng SP. A meta-analysis of surgical outcomes of T4a and infranotch T4b oral cancers. *Oncology and therapy*. 2023 Dec;11(4):461-80.
11. Rao KN, Arora R, Singh A, Dange P, Nagarkar NM. Pharyngocutaneous Fistula after Laryngectomy: An Umbrella Systematic Review to Uncover Lacunae in Meta-Analyses. *Journal of Otorhinolaryngology, Hearing and Balance Medicine*. 2023 Oct 11;4(2):11.
12. Aggarwal A, Arora RD, Nagarkar NM, Banjare A. Covid-Associated Mucormycosis in a Case of Wegener's Granulomatosis: A Management Challenge. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Feb;76(1):1033-6.
13. Nayak Y, Prabha N, Arora RD, Jati M, Aggarwal A. Audiological Evaluation of Leprosy Patients in an Endemic Area of Central India: A Case-Control Pilot Study. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2023 Dec 4:1-4.
14. Rana A, Satpute SS, Singh M, Arora RD, Nagarkar NM. Intraoperative ossicular chain status in patients with chronic otitis media. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Mar 2:1-6.
15. Trivedi S, Arora RD, Singh L, Sharma U. The Usefulness of Cadaveric Hands-on Workshop for Surgical Training in Head and Neck Surgeries. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Feb;76(1):458-61.
16. Trivedi S, Arora RD, Thakur J, Rathore M, Shukla A. Comparing the Clinical Orientation Benefits of Endoscopic demonstration on the Nose, Paranasal Sinuses, and Skull Base Versus Cadaveric Dissection for First-Year Medical Undergraduates. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Mar 2:1-7.
17. Singh S, Singhal S, Singh L, Arora RD, Tikka SK, Jati M. Assessing specific items of Indian VSMS: Perspective of medical and rehabilitation professionals. *Industrial Psychiatry Journal*. 2024 Jan 1;33(1):108-15.
18. Satpute SS, Nidhin SB, Nagarkar NM, Gupta A, Arora R. Giant cell rich osteosarcoma of maxilla vs. giant cell granuloma: a diagnostic dilemma. *International Journal of Otorhinolaryngology and Head and Neck Surgery*. 2024 Mar;10(2):232.
19. Abdulkader RS, Ponnaiah M, Bhatnagar T, S D, Rozario AG, K G, Mohan M, E M, Saravanakumar D, Moorthy A, Tyagi AK. Baseline findings of a multicentric ambispective cohort study (2021-2022) among hospitalised mucormycosis patients in India. *Mycology*. 2024 Jan 4:1-5.
20. Arora RD, Rao KN, Satpute S, Mehta R, Dange P, Nagarkar NM, Abishek AP. Emergency tracheostomy in locally advanced anaplastic thyroid cancer. *Indian Journal of Surgical Oncology*. 2023 Sep;14(3):714-22.
21. Mehta R, Nagarkar NM, Bodhey NK, Gupta RK, Satpute SS. Clinical, Radiological, and Pathological Correlation of Mandibular Invasion in Carcinoma Bucco-alveolar Complex. *Indian Journal of Surgical Oncology*. 2024 Feb 28:1-2.

22. Pictorial essay: 18-F FDG PET/CT in salivary gland neoplasm
23. Chakravarty S, Nagarkar NM, Mehta R, Arora R, Ghosh A, Sharma AK, Satpute S, Aggarwal A. Skull Base Involvement in Covid Associated Rhino-Orbital-Cerebral Mucormycosis: A Comprehensive Analysis. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2023 Sep;75(3):1826-38.
24. Chakravarty S, Nagarkar NM, Ghosh A, Mehta R. Retrosternal Thyroid with Mediastinal Extension: Surgical Approach and Management. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2023 Jun;75(2):332-7.
25. Keche A, Chakravarty S, Khatoon S, Kannauje P, Arora RD. Acanthamoeba species from a post-covid patient with CSF rhinorrhea; a next possible post covid menace? A case report. *Indian Journal of Medical Microbiology*. 2023 Mar 1;42:100-2.
26. Chakravarty S, Aggarwal A, Nagarkar NM. An Unusual Case of Anterior Displacement of the Vagus Nerve during Total Thyroidectomy: A Surgical Dilemma. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2024 Mar 23:1-4.

Chapter(s) in Books

1. Nagarkar NM, Mehta R, Dange PS. Introduction to Head and Neck Cancers. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 1-7). Singapore: Springer Nature Singapore.
2. Mehta, R., Dange, P.S., Singh, A. (2023). Pathology of Head and Neck Cancers. In: Nagarkar, N.M., Mehta, R., Singh, A., Rao, K.N., Dange, P.S. (eds) *Atlas of Head Neck and Skull-base Surgery*. Springer, Singapore.
3. Dange PS, Rao KN, Mehta R. Coetaneous Malignancies of Head and Neck. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 29-43). Singapore: Springer Nature Singapore.
4. Nagarkar NM, Mehta R, Rao KN. Thyroid Gland. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 65-91). Singapore: Springer Nature Singapore.
5. Nagarkar NM, Mehta R, Rao KN. Parathyroid Glands. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 93-104). Singapore: Springer Nature Singapore.
6. Singh A, Dange PS, Mehta R. Larynx and Airway. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 215-236). Singapore: Springer Nature Singapore.
7. Mehta R, Singh A, Dange PS. Neurogenic and Benign Neck Tumours. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 237-274). Singapore: Springer Nature Singapore.
8. Nagarkar NM, Mehta R, Singh A, Rao KN, Dange PS, editors. *Atlas of Head Neck and Skull-base Surgery*. Springer Nature; 2023 Nov 28.
9. Nagarkar NM, Singh A, Mehta R. Nose and Paranasal Sinuses. In *Atlas of Head Neck and Skull-base Surgery* 2023 Nov 29 (pp. 159-198). Singapore: Springer Nature Singapore.

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Registration Number: L-143328/2024

Title of the work: "Arora-Nagarkar Prognostic Classification for Rhinocerebral Mucormycosis"

Name, address and nationality of the applicant: Dr. Ripu Daman Arora: Additional Professor, ENT, Head & Neck Surgery, AIIMS, Raipur

Edited Book(s) and Monograph(s)

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher
1	Nagarkar, N.M., Mehta, R., Singh, A., Rao, K.N. Dange, P.S. (eds)	Head Neck and Skull-base Surgery	Mehta, R., Singh, A., Rao, K.N., Dange,	Atlas	1 st	Singapore	Springer

PATIENT CARE

	OPD	IPD	Major OT	Minor OT	Tests	Special Clinics
Total	45935	1257	1103	19	6652	450

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Rupa Mehta

- Selected for the CIGI fellowship 2023 of Cochlear Implant group of India

Dr. Ripu Daman Arora

- GOLF fellowship in Head and Neck Oncology by International Federation of Head and Neck Oncology Society (IFHNOS)- (2020-2022)
- Short-term clinical fellowship at Gruppo Otologico, Piacenza, Italy on Lateral skull base 12th to 16th June 2023
- FIMSA (Fellow international medical science academy) by International Science Academy

- Assumed the role of President Raipur, Chhattisgarh chapter of the Association of Otorhinolaryngologists of India

Dr. Sharmistha Chakravarty

- Received award for paper presentation in Senior consultant Category at ISOCON (Annual National Conference of Indian Society of Otology) in November 2024 for topic "Facial paralysis and Mastoiditis as initial presentations of Systemic diseases involving temporal bone: Institutional experience"

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Professor

Dr. Krishnadutt Chavali

Additional Professor

Dr. Deepak D'Souza

Associate Professors

Dr. Pankaj Ghormade

Dr. Shagun Thakur

Assistant Professor

Dr. Swapnil Akhade

HIGHLIGHTS

Dr. Krishnadutt Chavali was nominated and sent to AIIMS Bhubaneswar as part of the team for autopsy and embalming of the deceased victims of the train accident at Balasore, Odisha in June 2023.

In collaboration with the Forensic Science Laboratory, Raipur, the Institute has been designated as a centre for Narcoanalysis for the state of Chhattisgarh. A Memorandum of Understanding has been signed by FSL Raipur with AIIMS Raipur to this effect.

The Department organized the FMTCGCON VI - the 6th annual conference of Medicolegal Experts Association.

During the year, the department handled 7383 medicolegal cases, performed 558 medicolegal autopsies, embalmed 21 autopsied dead bodies and handled many toxicology cases.

The faculty members delivered talks as invited speakers at various conferences, CMEs, etc. during the year.

EDUCATION

The department is involved in the teaching and training of students of the MBBS, MD (FMT), DM (MFT), PhD courses. Classes are also being held by the department for the B.Sc (OT Technology) course. The department has also been taking classes on relevant topics for the students of MSc Nursing, BSc Nursing and MPH courses.

Dr. Shagun Thakur attended and successfully completed the 90th National Course on Educational Science for teachers of health care professionals conducted by the Department of Medical Education, JIPMER, Puducherry.

Dr. Deepak D'Souza also successfully completed the Basic Course in Biomedical Research. Faculty members of the department also successfully completed the online courses on the KARMAYOGI platform with certification from the Department of Personnel & Training.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES ORGANISED BY THE DEPARTMENT

S. No.	Title	CME/Conference	Date	Organized By
Dr. Krishnadutt Chavali				
1.	EFMICON 2023	Conference	13-15.04.2023	Dept. of FMT Manipal Tata Medical College, Jamshedpur
	CME on NDPS Act, 1985	CME	26.06.2023	College of Nursing AIIMS, Raipur
	3 rd Chhattisgarh State Workshop on Good Clinical Practices	Workshop for members of Ethics Committee	11.08.2023	IEC, Pt JNM Medical College, Raipur
	Forensic Update VI	Hands on workshop on Forensic Toxicology	8-9.09.2023	Dept of FMT, AIIMS, Bhopal
	FMTMPCGCON-VI	Annual Conference of Medicolegal Experts Assn of MP & CG	15-16.12.2023	Dept of FMT, AIIMS, Raipur
Dr. Deepak D'Souza				
2.	FMTMPCGCON-VI	Annual Conference of Medico Legal Experts Assn of MP & CG	15-16.12.2023	Dept of FMT, AIIMS, Raipur
Dr. Pankaj Ghormade				
3.	MID-YEAR CME PAFMAT-2023	CME (online)	12.08.2023	Dept. of FMT, GMCH, Chandigarh
	FORENSICON-2023	State Annual Conference (chaired one scientific session)	28-29.10.2023	Dept. of HBT Medical College Mumbai (MH)
	FMTMPCGCON-VI	State Annual Conference	15-16.12.23	AIIMS, Raipur

Dr. Shagun Thakur				
4.	EFMICON 2023	Conference	13- 15.04.2023	Dept. of FM & T Manipal Tata Medical College, Jamshedpur
	Training workshop for Medical Officers (MOs) of Durg District.	Training workshop for Medical Officers (MOs) of Durg District.	17.05.2023	Dept of Health, Govt of Chhattisgarh
	CME on Narcotic drugs and psychotropic substances act, 1985	CME	26.06.2023	AIIMS, Raipur College of Nursing
	FMTMPCGCON VI	Annual Conference of Medico Legal Experts Association of MP & CG	15- 16.12.23	Dept. of FMT AIIMS, Raipur
Dr. Swapnil Akhade				
5.	FORENSICON-2023	State Annual Conference of Maharashtra (chaired one scientific session)	28- 29.10.2023	Dept. of HBT Medical College Mumbai (MH)
	FMTMPCGCON-VI	State Annual Conference	15- 16.12.2023	AIIMS, Raipur
	FORENSICON MEDICON-2024	45 th Annual Conference of Indian Academy of Forensic Medicine (IAFM)	18- 20.01.2024	AIIMS, Nagpur (Maharashtra)

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Krishnadutt Chavali

S. No.	Title	CME/Conference	Date	Organized By
1.	Developing Skill Lab for Clinical Forensic Medicine	EFMICON 2023	13- 15.04.2023	Manipal Tata Medical College, Jamshedpur
2.	Drug Trafficking and Crimes	CNE on Intl Day against Drug Abuse and Illicit Trafficking 2023	26.06.2023	College of Nursing, AIIMS, Raipur
3.	Medicolegal Aspects of Trauma	7 th ITBP Training Program	15- 29.07.2023	Dept of T&E, AIIMS, Raipur

4.	Clinical Toxicology as a superspecialty	Forensic Update - VI	08-09.09.2023	AIIMS, Bhopal
5.	Drugs of abuse - Importance and Autopsy findings		08-09.09.2023	AIIMS, Bhopal
6.	Medical Reports (MLR/PMR) in light of the new laws	New Criminal Laws and Strengthening of Prosecution	17.02.2024	Dept of Prosecution, Raipur
7.	Orientation to Different Performa/Medico legal cases, incident reporting	Induction And Orientation Program For Newly Joined Nursing Officers and Senior Nursing Officers	11-15.03.2024	Dept of Nursing, Hospital Administration, AIIMS, Raipur
8.	Handling of Medico legal Cases	Refresher Training Program for Teachers of Medical Colleges	2023-24 (multiple)	Chhattisgarh Administrative Academy, Nimora

Dr. Shagun Thakur

S. No.	Title	CME/Conference	Date	Organized By
1.	Narcotic and Substance Abuse Act and role of Healthcare Workers	CNE on Intl Day against Drug Abuse and Illicit Trafficking 2023	26.06.2023	College of Nursing, AIIMS, Raipur
2.	Sexual harassment of women at workplace-Prevention, Prohibition and Redressal Act and Providing care to survivors of sexual violence.	Training workshop for Medical Officers (MOs) of Durg District.	17.05.2023	Dept of Health, Govt of Chhattisgarh

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Deepak D'Souza, Dr VinaVaswani	"Establishing a Forensic Anthropology Unit in the Medical College in India"	FMTMPCGCON-VI	15-16.12.23	AIIMS, Raipur
2.	Dr Gowri Gopal, Dr K H Chavali, Dr Pankaj Ghormade, Dr Deepak D'Souza, et al	"A systematic analysis of sexual offences against children presenting to a tertiary care centre."	FMTMPCGCON-VI	15-16.12.23	AIIMS, Raipur
3.	Dr P S Ghormade	S.19(1) of the POCSO act and medical practice : case reviews	FORENSICON-2023	28-29.10.2023	Dept. of HBT, Medical College, Mumbai (MH)

RESEARCH

Funded Projects

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Medical evaluation of Hymen in correlation to genital infections in females without a history of sexual Intercourse".	Dr. Swapnil P Akhade	Intramural funding	3 years	2020-2023	3,80,000

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Prevalence, morphology, and significance of myocardial bridging on coronary arteries - a prospective Forensic autopsy study from tertiary care centre of Central India.
2.	Establishing a clinical and forensic toxicology unit - a blueprint

S. No.	Project
3.	A comparative analysis of treatment outcomes with N-Acetylcysteine alone and N-Acetylcysteine combined with plasma exchange in acute Liver Failure following Acute Yellow Phosphorus Poisoning - an ambispective observational study.
4.	Comparison of efficacy of APACHE II, SAPS II, SOFA and PSS scores in predicting prognosis in terms of mortality at 2 weeks in patients of poisoning.
5.	Utility of various human biological samples to detect snake venom in the neurotoxic snakebite victims using immunodiffusion and immunoelectrophoresis methods.
6.	Histopathological characteristics of internal organs in fatal paraquat poisoning and co-relation of these changes with demographic profile- An autopsy-based study.
7.	Utility of Point of Care Ultrasound (POCUS) in Cardio-pulmonary assessment for early prediction of mortality in hospitalized patients with acute poisoning or envenomation - a prospective observational study.
8.	Otologic findings in various medicolegal autopsies - a prospective study.
9.	Study of pattern of injuries presenting to AIIMS Raipur - a step towards establishing a trauma registry.

PUBLICATIONS

- Raut S M, Akhade S P, Ghormade P S, Murugesan T, Chavali KH. Homicide-Suicide Partners: A Simulation of Injuries. *Cureus* 15(6): e39976. doi:10.7759/cureus.39976 (June 05, 2023)
- Kumar DA, Ghormade PS, Akhade S, Sarma B. Analysis of injury characteristics in victims of interpersonal violence: Clinical Forensic Medicine Unit Perspective in a Tertiary Care Centre. *J For Med Sci Law*. 2023;32(2):4-8
- Indurkar SK, Ghormade PS, Akhade S, Sarma B. Use of the Trauma and Injury Severity Score (TRISS) as a Predictor of Patient Outcome in Cases of Trauma Presenting in the Trauma and Emergency Department of a Tertiary Care Institute. *Cureus*. 2023 Jun 14;15(6):e40410. doi: 10.7759/cureus.40410. PMID: 37456404; PMID: PMC10348036.
- Akhade SP, Akhade KS, Chavali KH, Ranjan R. Comparison of Burden of Injury at a Tertiary Care Centre of National Importance: Pre-COVID-19 and COVID-19 Era. *Indian J Community Med*. 2023 Sep-Oct;48(5):790-793. doi: 10.4103/ijcm.ijcm_826_22. Epub 2023 Sep 7. PMID: 37970162; PMID: PMC10637598.
- Samaria S, Pandit V, Akhade S, Biswal S, Kannauje PK. Clinical and Epidemiological Study of Poisoning Cases Presenting to the Emergency Department of a Tertiary Care Center in Central India. *Cureus*. 2024 Jan 16;16(1):e52368. doi: 10.7759/cureus.52368. PMID: 38361719; PMID: PMC10868537.
- Bhojar L, Mehar P, Chavali K. An overview of DNA degradation and its implication in forensic caseworks. *Egyptian Journal of Forensic Sciences*. 2024;14:15

PATIENT CARE

The department handles the medicolegal work of the institute from admission to discharge as also the medicolegal autopsies and toxicology cases. Cases handled by the department in the past year (01.04.2023 to 31.03.2024) are summarized in the following table:

Medicolegal cases handled	Medicolegal autopsies performed	Embalming of autopsied bodies	Poisoning cases
7383	558	21	As and when received in the emergency

The department provides round the clock medico-legal services in various cases like examination of child abuse, physical assaults, sexual assault survivor examination, examination of accused in POCSO cases and age estimation under the Clinical Forensic Medicine unit.

On starting of the DM course, the department has been giving clinical inputs in the management of poisoned patients brought to the hospital. Various cases of poisoning have been handled by the department during the year under consideration.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

The department organized the FMTMPCGCON-VI, the annual conference of the Medicolegal Experts of MP and CG under the Chairmanship of Dr Krishnadutt Chavali. Dr Deepak D'Souza was the Organizing Secretary, Dr Pankaj Ghormade and Dr Shagun Thakur were Joint Organizing Secretaries, and Dr Swapnil Akhade was the Treasurer for the conference. The conference was historic in the sense that it was

organized in the state of Chhattisgarh for the first time. Though it was a state level conference, delegates from all over the country participated in the conference and added a national flavor to the discussions. The conference was highly appreciated by all the delegates for the quality of the talks arranged for the benefit of the delegates in general and the students in particular.



The Organizing Committee and the delegates of the FMTMPCGCON-VI posing for a group photo



Release of the souvenir of the conference by the Chief Guest, Prof (Dr) Sarita Agrawal, Officiating Director, AIIMS Raipur

1. Dr Deepak D'Souza

- Was Organizing Secretary for the FMTMPCGCON-VI conference organized by the department
- Granted Life Membership of Association of Medico Legal Experts Association of MP & CG.
- Successfully completed Basic Course in Biomedical research

2. Dr Shagun Thakur

- Completed 90th National Course on Educational Science for teachers in health care professionals by Department of Medical education, JIPMER, Puducherry.
- Invited Speaker on "Sexual harassment of women at workplace-Prevention, Prohibition and Redressal Act and providing care to survivors of sexual violence. Training workshop for Medical

Officers (MOs) in PCPNDT of Durg District, Chhattisgarh.

- Invited Judge in Poster Presentation EFMICON 2023, Jamshedpur.
- Completed 7 courses in KARMAYOGI platform with certification, Department of Personnel & Training.
- Nominated as Nodal officer for Narcoanalysis Centre for the state of Chhattisgarh at AIIMS Raipur.

3. Dr Swapnil Akhade

- 1st prize Best Faculty Oral Presentation award "Assessment and Evaluation of Hymen in females without a history of sexual intercourse visiting a tertiary care center for a gynecological condition." at the XXVI Annual State Conference FORENSICON 2023, held at HBT Medical College & R.N Cooper Hospital, Mumbai (MH) from 28th October to 29th October 2023.

DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Assistant Professor

Dr. Souvik Paul

HIGHLIGHTS

Surgical Gastroenterology is a budding department which was started in September, 2022. In this academic year, the department gained momentum with its IPD and OT services. Post-doctoral courses have not started yet.

EDUCATION

Academic Development

PG teaching activities were done for the General Surgery academic residents who had rotational posting at our department. Also, non-academic SRs participated in teaching activities in All India Telemedicine class for Surgical Gastroenterology.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Souvik Paul

S. No.	Title	CME/Conference	Date	Organized By
1.	As discussant on - Exploring Commonalities and Avenues for Collaboration- (Clinical Care, Training, Research)- Speciality specific discussion (Surgery)	AIIMS Oncology Conclave 2024	11.02.2023	NCI, Jhajjar
2.	As discussant on - Exploring co-operation in Training/ TeleDMG/ Clinical Trial network: Parallel group discussions - Subsite wise discussion (GI)	AIIMS Oncology Conclave 2024	11.02.2023	NCI, Jhajjar

3.	Chairperson in the topic - Artificial Intelligence in HPB Surgeries: The Way Forward?	IASG Mid-term meet 2024	24.02.2024	AIIMS, Bhubaneswar (Surgical Gastroenterology dept)
4.	Chairperson in the topic - Vascular Resections in Pancreaticoduodenectomy: Expanding Horizons for Surgical Excellence	IASG Mid-term meet 2024	25.02.2024	AIIMS, Bhubaneswar (Surgical Gastroenterology dept)

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Arif S, Reddy S, Paul S, Ravina M, Vajpai T (*1 st Prize)	Familial Adenomatous Polyposis and Rectal Carcinoma with Portal Cavernoma: A Surgical Challenge	IASG Mid-Term Meet 2024	24.02.2024	AIIMS, Bhubaneswar (Surgical Gastroenterology Dept)
2.	Goyal A, Paul S, Bodhey N, Kumar A, Ravina M, Gupta R (*3 rd Prize)	Resectable Carcinoma Gallbladder - An Initial Experience with Multimodal Management	IASG Mid-Term Meet 2024	24.02.2024	AIIMS, Bhubaneswar (Surgical Gastroenterology Dept)
3.	Chaurasia N, Borkar N, Tiwari C, Paul S, Gupta R	Solid Pseudopapillary Tumor of Pancreas in A Child: A Rare Entity	IASG Mid-Term Meet 2024	24.02.2024	AIIMS, Bhubaneswar (Surgical Gastroenterology Dept)

RESEARCH

Collaborative Research Projects

Ongoing

Sr. No.	Project	Collaborating Department/Institution
1.	Identification of biomarker signature and its clinical application in Colorectal cancer	Guru Ghasidas Vishyavidyalaya, Bilaspur, Chhattisgarh

PUBLICATIONS

- Mondal D, Shinde S, **Paul S**, Thakur S, Velu G, Tiwari AK, Dixit V, Amit A, Vishvakarma NK, Shukla D. Diagnostic significance of dysregulated miRNAs in T-cell malignancies and their metabolic roles. *Front Oncol.* 2023 Aug 10;13:1230273. doi: 10.3389/fonc.2023.1230273. PMID: 37637043; PMCID: PMC10448964.
- Bhalla VP, **Paul S**, Klar E. Hydatid Disease of the Liver. *Visc Med.* 2023 Oct;39(5):112-120. doi: 10.1159/000533807. Epub 2023 Sep 25. PMID: 37899792; PMCID: PMC10601525.

PATIENT CARE

	OPD	IPD	Major OT
Total	2358	78	43

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Souvik Paul, have participated in

1. Liver Transplant Surgery Masterclass and Cadaveric Hands-on Session- Bangalore 6th and 7th April, 2023
2. Online Course on Research Ethics Committee and received certificate of that workshop - conducted by St John's Medical College & Research Institute, Bangalore on July 2023
3. As invited faculty in AIIMS Oncology Conclave 2024 at NCI Jhajjar - February 11, 2023 - as Discussant in
 - a. Breakout Session: 1: Topic: Exploring Commonalities and Avenues for Collaboration- (Clinical Care, Training, Research) - Speciality specific discussion
 - b. Breakout Session: 2: Topic: Exploring co-operation in Training/ TeleDMG/ Clinical Trial network: Parallel group discussions - Subsite wise discussion
4. As chairperson in IASG Mid-term meet 2024 at AIIMS Bhubaneswar (Surgical Gastroenterology dept) - February 24-25, 2024
 - a. Session - Liver; Topic - Artificial Intelligence in HPB Surgeries: The Way Forward?
 - b. Session - Pancreas; Topic - Vascular Resections in Pancreaticoduodenectomy: Expanding Horizons for Surgical Excellence
5. 24th February, 2024 - Judge in e-poster session in IASG Mid-term meet 2024 at AIIMS Bhubaneswar (Surgical Gastroenterology dept)

DEPARTMENT OF GENERAL MEDICINE

Professor & Head

Prof.(Dr.) Vinay R. Pandit

Additional Professors

Dr. Md. Sabah Siddiqui

Dr. Preetam N. Wasnik

Assistant Professors

Dr. Pankaj Kumar Kannauje

Dr. Jhasaketan Meher

Dr. Pranita

Dr. Rohini Rokkam

Dr. Joydeep Samanta

HIGHLIGHTS

The Department of General Medicine offers services across various units including the General Medicine OPD, Screening OPD, Male Medicine Ward, Female Medicine Ward, Trauma & Emergency, HDU (High Dependency Unit), and MICU (Medical Intensive Care Unit). Additionally, the Department provide day care facilities with 07 dedicated beds in 2C1 for Rheumatology patients. Our well-equipped ten-bed Medical ICU (MICU) caters to critically ill patients. The Department ensure round-the-clock services in the Trauma and Emergency Department located on the ground floor and first floor. Department handles admissions and management of medicine cases and critically ill patients from various sub-specialties within medicine, including Neurology, Gastroenterology, and Cardiology cases. Also, we operate a 20-bedded HDU for sick patients. Specialty OPD operates from 2:00 PM to 5:00 PM, offering clinics such as the Diabetic Foot Clinic

every Tuesday, Rheumatology Clinic every Wednesday, Geriatric Clinic and Sickle Cell Clinic every Thursday, and Hepatitis Clinic every Friday. The Department expanded the weekly Rheumatology OPD to three times a week. The Department introduced a DM (Clinical Infectious Disease) program with an annual intake of two candidates, increased the Post Graduation (MD General Medicine) seats to 12 per annum.

The department has organized many CMEs/ seminars. Numerous research projects (Extramural / Intramural funded and non-funded) have been conducted by the department with the involvement of faculty and residents. The department has published around 40 research papers/review articles/case reports/abstracts in indexed national and international journals. Many of the faculty members have contributed to writing book chapters. Several faculty members have been invited as guest speakers at various national/state conferences and CMEs.

EDUCATION

The department is actively involved in teaching undergraduate students. Daily clinical bedside teachings are provided to multiple batches of undergraduate students. Apart from traditional classroom lectures, the department engages in integrated teaching methods. The Department of General Medicine conducts departmental seminars from Monday to Friday at 3:30 pm. These seminars encompass long and short presentations, case presentations, journal presentations, weekly clinical meets. DM academic seminars are conducted thrice weekly at 1 PM. The department also holds monthly mortality meetings. Induction training is provided to newly joined PG students for every academic batch. Moreover, the faculty of the department have trained medical officers and CHOs of Chhattisgarh state on non-communicable diseases such as Diabetes, Hypertension, NAFLD, stroke under NPCDCS. Dr. Vinay R Pandit and Dr. Jhasaketan Meher have been instrumental in preparing the syllabus for M.D. Family Medicine, guided by NITI Aayog. The faculty members of the department contribute by teaching Neurology to BASLP students, nursing students, and other paramedical courses.

Residents have actively participated in quiz competitions and poster/platform presentation at various CMEs/Conferences, bringing accolades to the Department. Dr. Kritika and Dr. Cheemela were awarded the first prize in poster presentation in the Endocrinology and Haematology category at APICON 2024. Dr. Girish and Dr. Aishwarya secured the 1st and 2nd prizes respectively in poster

presentation at MEDIFEST, AIIMS, Bhopal. Dr. Shreehari and Dr. Deepak clinched the 1st and 3rd prizes respectively in the Rheumatology CME at AIIMS, Raipur. Dr. Shreehari secured the first prize, Dr. Sunil and Dr. Chandrappriyan, 2nd prizes and Dr. Saurabh Kumar Patel & Dr. Deepak secured the 3rd prizes respectively in Endocrinology quiz at CODECON 2023 organized by CG Obesity, Diabetes and Endocrine Society. Dr. Amar Kishore Reddy & Dr. Rounak were secured the 1st position, Dr. Sreehari & Dr. Chandrappriyan secured the 2nd position & Dr. Gowtham Priyan & Dr. Pemmasani Sai Hruthik secured 3rd Position in Rheumatology quiz in Chhattisgarh Rheumatology Update-2023 organized by Department of Medicine, IRA and CG API. Dr. Saurabh Kumar secured the 1st position, Dr. Deepak & Dr. Mallika Kapur 2nd position & Dr. Gowtham Priyan, Dr. Pemmasani Sai Hruthik, Dr. A.S. Girish secured 3rd position in Rheumatology Quiz at Dr SD Deodhar All India Intercollegiate Post Graduate Rheumatology Quiz Regional Round organized by IRA, Pt. JNM Medical College. Dr. Deepak secured 1st position in ECG quiz at 2nd National Acute Care Electrocardiography Symposium organized by AIIMS, Raipur.

The Department actively participated in Orientation Programme for MBBS 2023 batch students, PG Induction Programme on "Ethics in Clinical Practice" & "Medical Documentation", Weekly Academic Meet on "Recurrent Infections: When to Suspect Primary Immunodeficiency" organized by Academic Section, AIIMS Raipur

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	CME on Herpes Zoster Disease and its Prevention"	CME	04.07.2023	Dept. of General Medicine, AIIMS, Raipur
2.	Chhattisgarh Rheumatology Update 2023	Conference	22.07.2023 to 23.07.2023	Department of General Medicine and Indian Rheumatology Association
3.	CME "Subacute Sclerosing Panencephalitis - Isoprinosine"	CME	23.09.2023	Dept. of General Medicine, AIIMS, Raipur
4.	World Arthritis Day CME	CME	12.10.2023	Dept. of General Medicine and Dept. of Orthopedics, AIIMS, Raipur
5.	Departmental CME on Gaucher's Disease and Hereditary Angioedema	CME on Rare Disease	30.11.2023	Dept. of General Medicine, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Vinay R. Pandit

S. No.	Title	CME/Conference	Date	Organized By
1.	Treatment of Complications in Rheumatology	CME on Rheumatoid Arthritis" World arthritis day	12.10.2023	Dept. of General Medicine and Dept. of Orthopedics, AIIMS, Raipur
2.	Recent Management Guidelines for HIV Infection	Medicine Update (HIV update) Step up HIV Nemesis	01.12. 2023	Department of General Medicine at Pt JNM Medical College, Raipur
3.	Recurrent and Challenging UTI/ GTI in Diabetics	Global Diabetic Forum Conference (GDFCON)	07.10.2023	Global Diabetic Forum (GDF)

Dr. Md Sabah Siddiqui

S. No.	Title	CME/Conference	Date	Organized By
1.	Management of Patients with HIV-TB Coinfection	Pulmonary Medicine Update 2024	30.03.2024	5 th National Symposium of Pulmonary Medicine, AIIMS, Raipur
2.	Maturity Onset Diabetes of Young	GDFCON	07.10.2023	GDF (Global Diabetes Forum)
3.	Complicated Malaria Treatment	CGAPICON 2023	13.01.2024	API CG
4.	Understanding Lifestyle Diseases-A Path to Better Health	Seminar for Health Education of Employees	28.10.2023	Ultratech Cement Plant Rawabhata, Raipur, C.G.
5.	Prescription for a Case of Acute Myocardial Infarction	AIIMCON	28.05.2023	AIIM, Bettiah, Bihar

Dr. Preetam N. Wasnik

S. No.	Title	CME/Conference	Date	Organized By
1.	Clinical Feature and Complication of Sickle Cell Anemia	Sickle Cell Day Public Awareness Program	19.06.2023	Sickle Cell Committee, AIIMS, Raipur

Dr. Pankaj Kumar Kannauje

S. No.	Title	CME/Conference	Date	Organized By
1.	Gaucher's Disease	Departmental CME on Rare Disease	30.11.2023	Dept. of General Medicine, AIIMS, Raipur

Dr. Jhasaketan Meher

S. No.	Title	CME/Conference	Date	Organized By
1.	How do I treat Oncological Emergency (Hyperleukocytosis & TLS)	State Level Conference on Acute Leukemia	02.09.2023	Department of Clinical Haematology and Medical Oncology, AIIMS, Raipur
2.	Role of Biologics in Rheumatology	CME on World Arthritis Day	05.10.2023	Department of Orthopaedics, AIIMS, Raipur
3.	Hepatic Fibroelastography	CME on MEDIFEST 2024: Advances in Tissue-Based Diagnostic for Clinical care	20.01.2024	Department of General Medicine, AIIMS, Bhopal

Dr. Pranita

S. No.	Title	CME/Conference	Date	Organized By
1.	Cryptococcal Meningitis: Challenges in Management	Clinico-Mycolological Update: Uncovering the Unknown	30.01.2024	Department of Microbiology

Dr. Joydeep Samanta

S. No.	Title	CME/Conference	Date	Organized By
1.	Medical Management of Rheumatoid Arthritis and Ankylosing Spondylitis	CME on World Arthritis Day	12.10.2023	Dept. of Orthopedics and Dept. of General Medicine, AIIMS, Raipur
2.	Hands in Rheumatology	Chhattisgarh Rheumatology Rendezvous 2023	05.11.2023	Chhattisgarh State Chapter of Association of Physicians of India (API)
3.	Hereditary Angioedema	Departmental CME on Rare Disease	30.11.2023	Dept. of General Medicine, AIIMS, Raipur
4.	New Approaches in Management of Rheumatoid Arthritis and Comparison with Conventional DMARD Management	CME on Rheumatology	14.12.2023	Dept. of Medicine, Raipur

5.	Investigations in Rheumatology	CGAPICON 2024	14.01.2024	Chhattisgarh State Chapter of Association of Physicians of India (API)
6.	CTD: Exploring the Interplay Between Various ILD and CTD	ILD Symposium 2024	28.01.2024	Chhattisgarh Chest Society
7.	How to Choose Immunomodulation in CTD-ILD	Pulmonary Medicine Update 2024	10.03.2024	Dept. of Pulmonary Medicine, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Vyashnavi G.L.S.V., Pranita, Wasnik PN, Aruna	The Plight of Waldenstorms macroglobulinemia: An uphill battle between lymphoma and neuroendocrine tumor and many more	EHG and CHA 8 th Annual Conference	12.04.2023 to 14.04.2023	EHG and CHA
2.	Mirabana M, Pranita, Wasnik PN,	Unravelling the puzzle of unexplained pancytopenia : Gaucher's disease	EHG and CHA 8 th Annual Conference	12.04.2023 to 14.04.2023	EHG and CHA
3.	Girish A.S., Pranita, Wasnik PN, Saroj, Sharma S.	The Disguise	EHG and CHA 8 th Annual Conference	12.04.2023 to 14.04.2023	EHG and CHA
4.	Sreehari A, Meher J, Pandit VR	Stills disease - Case of PUO with Interstitial Pneumonia -1 st position in poster presentation	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
5.	Pemmasani S, Rokkam R, Siddiqui MS	Mononeuritis Multiplex in an IgA Nephropathy Patient -2 nd position in poster presentation	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API

6.	Koshy DI, Meher J, Pandit VR, Samanta J	Staphylococcus Bacteremia: An Uncommon Cause of Reactive Arthritis - 3rd position in poster presentation	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
7.	Dubey A, Pranita, Wasnik PN, Bodhey NK, Rathore V.	Pancreatitis as a rare manifestation of ANCA negative Vasculitis	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
8.	Rautiya VK, Pranita, Wasnik PN, Bodhey NK, Kathrani N	Stroke in Young adult: Think Arteritis	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
9.	Nageeb N Samanta J, Pranita, Wasnik PN.	Rheumatoid Vasculitis: A rare presentation making comeback	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
10.	Priyan G, Pranita, Wasnik PN, Samanta J.	Pulmonary Manifestations as the initial presentation of SLE / SLE and its conglomeration	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
11.	Kapur M, Pranita, Wasnik PN, Samanta J.	TAKAYASU: Lightning does strike twice or thrice	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
12.	Pant K, Samanta J, Meher J, Pandit VR	From Eyes to Skin and Beyond: A Multisystem Puzzle	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
13.	Pant K, Samanta J, Meher J, Pandit VR	A Mysterious Encounter with Pulmonary Nodules	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
14.	Pemmasani S, Samanta J	Beyond Boundaries: Confronting Rheumatoid Arthritis with Atlantoaxial dislocation and Rheumatoid Vasculitis	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API

15.	Koshy DI, Samanta J, Meher J, Pandit VR	More to it than Meets the Eye	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
16.	Agarawal S, Samanta J, Meher J, Pandit VR	Puzzling Polyarthrits	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
17.	Girish AS, Samanta J	Expect the Unexpected	Chhattisgarh Rheumatology Update-2023	22.07.2023 to 23.07.2023	Department of Medicine, IRA and CG API
18.	Bhageria Y, Pranita, Wasnik PN, Bodhey NK	A case of hemoglobinopathy with hemochromatosis	MEDSICON 2023	03.08.2023 to 06.08.2023	VMMC, New Delhi
19.	Bajaj M, Pranita, Wasnik PN, Bodhey NK	A rare case of Seizure disorder	MEDSICON 2023	03.08.2023 to 06.08.2023	VMMC, New Delhi
20.	Pant K, Samanta J	An Unfortunate Battle with a Cascade of Medical Catastrophe -2 nd prize for platform presentation	Chhattisgarh Rheumatology Rendezvous 2023	05.11.2023	CG API
21.	Pemmasani S, Siddiqui MS, Pandit VR, Meher J, Khandelwal E	Cardiovascular Autonomic Dysfunction in Prediabetics	RSSDI 2023	16.11.2023 to 19.11.2023	RSSDI
22.	Agarawal S, Meher J, Bala S, Samanta J, Gupta RK, Pandit VR.	Unveiling the Mystery in a Case of Polyarthrits	IRACON 2023	22.11.2023 to 26.11.2023	IRA
23.	Koshy DI, Samanta J, Bala S, Meher J, Pandit VR	Vasculitis Mimic Extraordinaire	IRACON 2023	22.11.2023 to 26.11.2023	IRA
24.	Koshy DI, Samanta J, Meher J, Kathrani N, Wasnik PN, Bodhey NK, Pandit VR	The Unicorn Among Zebras	IRACON 2023	22.11.2023 to 26.11.2023	IRA

26.	Pant K, Pandit VR, Ghosh A, Kannauje PK	Clinical Profile of Patients with Hypopituitarism in a Tertiary Care Centre in Central India-1 st position for poster presentation Endocrinology category	APICON 2024	22.02.2024 to 25.02.2024	API
27.	Bhutia C, Kannauje PK	Clinical and Epidemiological Presentation of Pancytopenia in a Tertiary Care Centre in Central India-1 st position for poster presentation Hematology category	APICON 2024	22.02.2024 to 25.02.2024	API
28.	Agarawal S, Samanta J, Meher J, Pandit VR, Bodhey NK, Vandita	An Interesting Case: A Clinical Enigma	APICON 2024	22.02.2024 to 25.02.2024	API
29.	Girish AS, Pandit VR, Meher J, Bodhey NK	Where is the Source? 1 st prize for poster presentation	Medifest 2024	09.03.2024 to 10.03.2024	AIIMS, Bhopal
30.	Singh A, Meher J, Samanta J, Dhakate A, Kathrani N, Pandit VR	Unravelling Acute Abdomen in Sickle Cell Anemia - A Critical Medical Emergency-2 nd prize for poster presentation	Medifest 2024	09.03.2024 to 10.03.2024	AIIMS, Bhopal
31.	Rautiya VK, Pranita, Wasnik PN, Bodhey NK	Pancreatic Pseudocyst: Unravelling the mystery of right sided pleural effusion	Medifest 2024	09.03.2024 to 10.03.2024	AIIMS, Bhopal

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	HTA of National Stroke Care Registry Programme- Development of hospital-Based Stroke Registries (HBSR) in different regions of India	Prof. (Dr.) Vinay R. Pandit	ICMR - NCDIR	5 Years	2021-2026	25 lakhs
2.	Multi Center Randomized Double Blinded Study to evaluate Efficacy, Safety and Tolerability of IMU 838 Versus Placebo in adults with Relapsing Multiple Sclerosis (ENSURE 2)	Prof. (Dr.) Vinay R. Pandit	Immunic Therapeutics	2 Years	2022-2024	50,000/-
3.	J11-MC-GZBK (a) dated 21-Apr-2023 A Master Protocol to Investigate the Efficacy and Safety of LY3437943 Once Weekly in Participants with Type 2 Diabetes Mellitus who have Obesity or Overweight: A Randomized, Double-Blind, Placebo-Controlled Trial (TRIUMPH-2)	Dr. Md Sabah Siddiqui	Eily-Lilly	2 years	2023-2025	50 lacks
4.	Training of Assistant Medical Officers on Comprehensive Primary Care (CPHC) under Health and Wellness Centers (HWCs).	Dr. Md Sabah Siddiqui	SHRC	3 years	2022-2025	5 Lacs
4.	Impact of Medical officer training in improving health outcomes of in CG State	Dr. Md Sabah Siddiqui	SHRC	5 years	2022-2027	81 Lacs
6.	Training of Assistant Medical Officers on Comprehensive Primary Care (CPHC) under Health and Wellness Centers (HWCs).	Dr. Md Sabah Siddiqui	SHRC	3 Years	2023-2026	5 Lacs

7.	A prospective, open-label, randomized, comparative clinical trial to assess the efficacy and safety of a novel Methylcobalamin Nasal Spray (NASO B12) or oral B12 supplementation in the treatment of subjects with vitamin B12 deficiency as well as to evaluate the duration of efficacy	Dr. Md Sabah Siddiqui	Investigator initiated research, funding by IPCA Labs	6 months	2024	50000/-
8.	Factors associated with sudden death among adults aged 18-45 years, India: Multicentric matched case control study.	Dr. Pankaj Kumar Kannauje	ICMR	1 year	2023	5,00,000/-
9.	Effect of covid-19 vaccine on thrombotic events among 18-45. Year old population in India,2022: a multicentric hospital based matched case controlled study.	Dr. Pankaj Kumar Kannauje	ICMR	1 year	2023	6,87,000/-
10.	A multicentre trial evaluating the efficacy and safety of oral decitabine-tetrahydrouridine (NDec) in patients with sickle cell disease.	Dr. Pankaj Kumar Kannauje	Novo Nordisk	2 year	2023-2024	5,00,000/-
11.	Optimal strategy for Cardiovascular risk assessment in Spondyloarthritis: A comparative analysis between traditional cardiovascular risk score (QRISK3 score) versus traditional risk score supplemented with either Carotid ultrasound or Coronary CT angiography	Dr. Joydeep Samanta	AIIMS, Raipur	01 Year	2024 and ongoing	5 Lacs
12.	Role of miR-145 in Systemic lupus erythematosus	Dr. Jhasaketan Meher	Chhattisgarh council of Science & technology	01 Year	2023 and ongoing	4.2 lacs
13.	Role of alpha and beta cell secretory function in predicting hypoglycemia in patients with Diabetes Mellitus: A hospital based pilot study.	Dr. Rohini Rokkam	AIIMS, Raipur	1.5 years	2023-2024	4,99,9320/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1	Study of correlation between serum copper, serum zinc, copper-zinc ratio, and disease severity scores in sickle cell disease patients	Dr. Preetam Wasnik	AIIMS, Raipur	1 year extended to 2 year	2021-2023	4,72,000/-
2.	A Prospective, Multicentre, Randomized, Active-controlled, Observer-blind, Phase II study seamlessly followed by a Phase III study to evaluate the Safety, Tolerability and Immunogenicity of the candidate HGCO19 (COVID-19 vaccine) in healthy subjects.	Dr. Md Sabah Siddiqui	DIAGNO SEARCH CRO	1.5 years	2021-2023	3,00,000/-
3.	A Prospective, Multi-centre, Open-labelled, Randomized, Phase II study seamlessly followed by a Phase III study to evaluate the Safety, Tolerability and Immunogenicity of GEMCOVAC-OM as a booster in Subjects 18 years of age and older.	Dr. Md Sabah Siddiqui	JSS medical research Asia Pacific	9 months	2022-2023	2,20,000/-
4.	A post-marketing surveillance to assess safety and tolerability of hydroxyurea in sickle cell syndrome (sickle cell disease)	Dr. Md Sabah Siddiqui	CIPLA lab	6 months	2023	20,000/-

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Ongoing**

S. No.	Project
1.	An ambispective study on spectrum of infections in hospitalized sickle cell patients.
2.	Prevalence of Group B Streptococcal Colonization of the Genital Tract of the Pregnant Women Presenting To A Tertiary Care In Central India And Its Relation To Neonatal Outcomes: A Prospective Observational Study.
3.	Clinico-epidemiological spectrum of candidemia in patient with sepsis in intensive care unit : A prospective observational study.
4.	Clinical Profile of Leptospirosis.

5.	A cross-sectional study on electrocardiographic changes in adults with sickle cell anemia and its relationship with disease severity at AIIMS Raipur.
6.	A Cross sectional study on spectrum of renal involvement among Sickle cell anemia patients at AIIMS Raipur.
7.	A Study on the clinical spectrum of hepatobiliary Manifestations in adults with sickle cell anemia in adults at AIIMS RAIPUR, observational study.
8.	Clinico-epidemiological profile and in-hospital outcome of cerebral venous sinus thrombosis at AIIMS Raipur- Ambispective Observational Study.
9.	Correlation of Fetal Haemoglobin and Disease Severity in Adults with Sickle Cell Anemia (Homozygous Hemoglobin SS) in steady state- A Cross-sectional study.
10.	A Study to Correlate Hyponatremia with Disease Activity In SLE.
11.	Clinical profile of Scrub typhus in a tertiary care center in Central India.
12.	To Study the Neurological Manifestations in Systemic Lupus Erythematosus in a Tertiary Care Centre in Central India.
13.	Prospective study of Spectrum of Liver Dysfunction and its correlation with disease severity in Dengue in a tertiary care centre.
14.	Role of IL-17 in Ankylosing spondylitis, Reactive arthritis, Undifferentiated arthritis.
15.	Clinical Profile of Leptospirosis.
16.	Assessment of cardiac autonomic dysfunction in non diabetic chronic kidney disease patients.
17.	28 day Outcome of Patients with Acute liver failure and acute on Chronic liver Failure undergoing PLEX an Observational study.
18.	To assess the knowledge, Attitude and practice of diabetic patients towards foot care and to study the clinic-epidemiological profile of diabetic foot disease.
19.	Clinical Radiological Profile of Acute Ischemic Stroke with Special Emphasis on Pre Hospital Factors Affecting Thrombolytic Therapy in a Tertiary care Centre in central India.
20.	Fatty liver in Rheumatoid arthritis.
21.	Clinico-etiological profile of patients presenting in the emergency department with non-traumatic altered sensorium and outcome of those patients during hospitalization.
22.	Prevalence of Insulin Resistance and Metabolic Syndrome in Rheumatoid Arthritis and Axial Spondyloarthritis.
23.	A prospective study of serum ferritin as a prognostic marker of Sepsis.
24.	A comparison of platelet indices among Diabetic and non diabetic- case control study.
25.	The Spectrum of Connective tissue disease related interstitial lung disease in a tertiary care center in central India.

26.	Daily versus alternate day dosing of oral Ferrous sulphate in patients of iron deficiency anemia: A Randomized open-label, Pilot study.
27.	Clinical presentations and outcome of Guillain Barre syndrome in tertiary care centre in Raipur: An ambispective observational study.
28.	Outcome of patients with acute liver failure and acute on liver failure undergoing plasma exchange.
29.	Aortic root involvement in Ankylosing spondylitis case control study.
30.	Acute glycemic variability and its correlation with outcomes among sepsis patients: A prospective observational study.
31.	Prevalence of peripheral arterial disease in patients with acute coronary syndrome.
32.	Role of Serum triglyceride, LDH, IL-6 in predicting the outcome in ARDS patients.
33.	Arrhythmias in acute coronary syndrome and its correlation with serum electrolytes: a prospective observational study.
34.	Spectrum of splenic changes in sickle cell homozygous state (HbSS) and its correlation with foetal haemoglobin at a tertiary care centre: a cross sectional observational study.
35.	Spectrum Of Urinary Tract Infections In Diabetic Patients Hospitalized In A Tertiary Care Centre: A Prospective Observational Study.
36.	Clinico - etiological profile of Anemia In Heart Failure.
37.	Clinico etiological profile of pleural effusion in patients with chronic kidney disease (CKD) in a tertiary health care centre: A Prospective observational study.
38.	Comparison of serum magnesium levels among Type 2 Diabetics with and without Microvascular complications : A Cross Sectional study.

Completed

S. No.	Project
1.	Clinical and microbiological profile of Hospital acquired pneumonia in adults - A prospective observational study.
2.	A Cross-sectional Observational study on Clinical characteristics and treatment pattern of Atrial fibrillation patients in a Tertiary care Hospital in Central India.
3.	Spectrum of cardiac events in acute ischemic stroke - a cross sectional study in a tertiary care centre.
4.	Clinical and laboratory profile of patients with lupus nephritis - study from Central India.
5.	Profile of cardiovascular autonomic neuropathy in pre diabetic patients.
6.	Neutrophil lymphocyte ratio as a predictor of microvascular complications in patients with type 2 dm.

7.	Mean platelet volume (MPV), platelet Distribution width (PDW) and platelet in RA.
8.	Cross sectional study of cardiac dysfunction in sickle cell disease.
9.	Clinical profile of patients with Atrial fibrillation attending tertiary care hospital in central India - a Cross sectional study.
10.	Clinical profile, antimicrobial sensitivity patterns and In hospital outcomes of the patients with sepsis.
11.	Clinical and microbiological profile of spectrum of infections in diabetic patients admitted in medicine department in tertiary care centre.
12.	Neutrophil lymphocytes ratio as a predictor of microvascular complications in patients with type 2 DM.
13.	Prevalence of peripheral neuropathy in patients of hyperthyroidism: A cross-sectional study.
14.	Cardiac manifestations in acute ischemic stroke.
15.	Clinical and laboratory profile of patients with lupus nephritis - study from Central India.
16.	Mild cognitive impairment in patients with Type 2 Diabetes Mellitus and its correlation with serum HbA1c levels and Carotid Artery Haemodynamics- A Cross sectional study in tertiary care hospital.
17.	Assessing protein energy wasting (PEW) in idiopathic adult-onset nephrotic syndrome (AONS) patients using bioimpedance spectroscopy (BIS).
18.	Microalbuminuria in rheumatoid arthritis and correlation with disease activity.
19.	Clinical presentation and epidemiology of cases presenting with Pancytopenia in a tertiary care centre in central India.
20.	Prevalence of foot ankle arthritis in Rheumatoid arthritis and its association with clinical phenotypes and clinical indices in AIIMS Raipur.
21.	A Cross sectional study on electrocardiographic changes in adults with Sickle cell anemia and its relationship with Disease severity at AIIMS Raipur.
22.	Profile of cardiovascular autonomic neuropathy in prediabetic patients.
23.	Clinical profile of patients with Hypopituitarism in a tertiary care center in Central India.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Association between p53 codon 72 polymorphism and diabetic polyneuropathy in type 2 diabetes mellitus: a pilot study.	Dept. of Physiology AIIMS, Raipur

2.	Platelet Activation and human platelet antigens (HPA) polymorphism in Sickle Cell Disease Biochemistry 2021-2022.	Dept. of Biochemistry AIIMS, Raipur
3.	Relationship between severity of anemia and acid-base parameters.	Dept. of Anaesthesia AIIMS, Raipur.
4.	Capacity building and framework development for SARI burden estimation and forecasting in India.	NIE coordinated CDC with Dept. of community and family medicine AIIMS, Raipur.
5.	Expression profile of miR-200 family, miR-21, TGF- β and fractalkine in SLE patients.	Dept. of Biochemistry AIIMS, Raipur.
6.	Role of serum KL-6, SP-D and CCL-18 in predicting disease progression in Systemic Sclerosis Interstitial Lung Disease.	Dept. of Pulmonary Medicine, Dermatology & Biochemistry AIIMS, Raipur.
7.	Comparison of parenteral to oral split-dose methotrexate in RA in terms of efficacy and intracellular methotrexate polyglutamate levels - A randomized controlled trial.	PGIMER Chandigarh, AIIMS New Delhi, SGPGI Lucknow, St. Johns Medical College Bengaluru & AIIMS, Rishikesh.
8.	Open-label, single-arm, phase 4 study to evaluate the safety of Ixekizumab in patients with moderate-to-severe plaque psoriasis and/or active psoriatic arthritis.	Dept. of Dermatology AIIMS, Raipur.

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Prevalence of metabolic syndrome in Tribal and non-tribal population of Patan block of Chhattisgarh state: a pilot study: ICMR Project.	Department of Physiology AIIMS, Raipur.

PUBLICATIONS

- Patel S, Chandrakar D, Wasnik PN, Nayak S, Shah S, Nanda R, et al. Altered T-cell profile in sickle cell disease. *Biomark Med.* 2023; 17(5): 241-52.
- Khandelwal E, Tripathi S, Ingle A, Wasnik PN, Nanda R. Endothelial Dysfunction in Adult Patients of Sickle Cell Disease. *J. Neuroscience and Neurological Surgery.* 2023; 13(3): 01-4.
- Patel S, Chandrakar D, Wasnik PN, Nanda R, Mohapatra E. Clinical Implication of Changes in Serum Cations and Anions on Clinical Severity in Sickle Cell Disease: A Case-Control Study in a Tertiary Center. *J Lab Physicians.* 2023;s-0043-1772684.
- Prajapati J, Das D, Udutalapally V, Mahapatra R, Wasnik PN. *jScan: Smartphone-Assisted*

- Bilirubin Quantification and Jaundice Screening. *IEEE Sens J*. 2023; 23(21): 26654-61.
5. Patel S, Chandrakar D, Wasnik PN, Mohapatra E, Nanda R, Shah S, et al. Redefining the Reference Interval and Cut-Off Values of the Hematological and Biochemical Parameters and Deriving a Sensitive Predictive Marker for Crisis Events in Sickle Cell Disease. *Indian J Clin Biochem*. 2023; <https://link.springer.com/10.1007/s12291-023-01158-9>.
 6. Ghosal S, Das D, Udutalapally V, Sridhar S, Basha SMSS, Wasnik PN. DeepVitals: Deep neural and IoT based vitals monitoring in smart teleconsultation system. *Internet Things*. 2024; 25: 101117.
 7. Chandrakar D, Patel S, Wasnik PN, Mohapatra E, Nanda R, Shah S, et al. Effect of Unmetabolized Folic Acid on Immunoinflammatory Markers in Sickle Cell Disease Patients Taking Folic Acid Supplementation. *Indian J Clin Biochem* 2024; <https://link.springer.com/10.1007/s12291-024-01204-0>.
 8. Keche Y, Gaikwad NR, Wasnik PN, Nagpure K, Siddiqui MS, Joshi A, et al. Analysis of Drugs Prescribed to Elderly Patients in a Tertiary Health Care Center in Raipur, Central India: An Observational Study. *Cureus*. 2024; 16(1): e52770.
 9. Meher J, S NM, Behera SK. Brucellosis in a Sickle Cell Patient with Hyposplenia. *J Assoc Physicians India*. 2023; 71(8): 11-2.
 10. Meher J, Patel S, Nanda R, Siddiqui MS. Association of Serum IL-17 and IL-23 Cytokines With Disease Activity and Various Parameters of Rheumatoid Arthritis in Indian Patients. *Cureus* 2023; 15(11): e49654.
 11. Meher J, Singh J, Pati SK, Pandit VR, Patel SK, Kapur M, et al. Deciphering the Neuropsychiatric Lupus Enigma: Navigating the Intersection of Acute Inflammatory Demyelinating Polyneuropathy (AIDP), Infection, and Flare. *Cureus* 2024; 16(1): e53156.
 12. Samanta J, Samaria SK, Meher J, Pandit VR. Arthritis mutilans in polyarticular JIA. *Rheumatol Oxf Engl*. 2024; 63(1): e28.
 13. Samanta J, Naidu G, Chattopadhyay A, Basnet A, Narang T, Dhir V, et al. Comparison between methotrexate and apremilast in Psoriatic Arthritis-a single blind randomized controlled trial (APREMEPsA study). *Rheumatol Int*. 2023; 43(5): 841-8.
 14. Samanta J, Mitra S, Chakraborty S, Kumar C, Yashavanth KY, Das S. Pulmonary tuberculosis among patients of tubercular pleural effusion: A single-center experience. *Int J Mycobacteriology*. 2023; 12(2): 139-43.
 15. Sehgal IS, Agarwal R, Jindal A, Siddiqui MS, Mohan A, Pal A, et al. A multicentre, double-blind, placebo-controlled randomized trial of Mycobacterium w in critically ill patients with COVID-19 (ARMY-2). *Lung India*. 2024; 41(2): 84-92.
 16. Siddiqui MS, Dev V, Khandelwal E. Cardiac Autonomic Neuropathy in Newly Diagnosed Patients With Type 2 Diabetes Mellitus. *Cureus*. 2023; 15(10): e47366.
 17. Turuk A, Kumar G, Mukherjee A, Jayashree M, Patel SM, Kannauje PK, Bhardwaj P, et al. Evaluation of a Hospitalized Pediatric COVID-19 Cohort from Indian National Clinical Registry of COVID-19. *Indian J Pediatr*. 2023; 90(10): 1000-7.
 18. Singh A, Singh MP, Gaikwad NR, Kannauje PK. Tenecteplase versus Alteplase in Acute Ischemic Stroke: A Systematic Review and Meta-analysis. *Ann Neurosci*. 2024; 31(2): 132-42.

19. Singh A, **Kannauje PK**, Dhaneria S, Balasundaram MK. Evaluation of Potential Drug-Drug Interactions and Risk Factors in Elderly Patients with Peripheral Neuropathy. *J Indian Acad Geriatr.* 2023;19(4): 220-4.
 20. Prasad Sahu D, **Wasnik M**, **Kannauje PK**. Factors Influencing Corrected Count Increment After Platelet Transfusion in Thrombocytopenic Patients. *Cureus* 2023; 15(9):e46161.
 21. Noklang S, Noklang I, Chirumamilla SSK, **Kannauje PK**. Serum uric acid level in chronic liver disease and its correlation with Child-Pugh score in a tertiary care hospital from South India. *J Fam Med Prim Care.* 2023; 12(11): 2696-701.
 22. Kumar G, Bhalla A, Mukherjee A, Turuk A, **Kannauje PK**, Talukdar A, Mukherjee S, et al. Post COVID sequelae among COVID-19 survivors: insights from the Indian National Clinical Registry for COVID-19. *BMJ Glob Health.* 2023; 8(10): e012245.
 23. **Samaria S**, **Pandit VR**, Akhade S, Biswal S, **Kannauje PK**. Clinical and Epidemiological Study of Poisoning Cases Presenting to the Emergency Department of a Tertiary Care Center in Central India. *Cureus* 2024; 16(1):e52368.
 24. **Rokkam R**, Routray M. Management of Yellow Phosphorus-Induced Acute Liver Failure: A Case Report and Review of Literature. *Cureus* 2024; 16(2):e54223.
- a) Singh A. A Case of Polyarthritides ePosters - Case Reports. *Indian J Rheumatol.* 2023;18 (Suppl 2):S276-401.
 - b) **Koshy DI**, **Samanta J**, Bala S, **Meher J**, **Pandit VR**. Vasculitis Mimic Extraordinaire ePosters - Case Reports. *Indian J Rheumatol.* 2023;18 (Suppl 2): S276-401.
 - c) **Koshy DI**, **Samanta J**, Meher J, Kathrani N, **Wasnik PN**, Bodhey NK, et al. The Unicorn Among Zebras, ePosters - Case Reports. *Indian J Rheumatol.* 2023;18 (Suppl 2):S276-401.
 - d) **Priyan I**, **Wasnik PN**, Das P, **Samanta J**. The Meningitis Riddle, ePosters - Case Reports. *Indian J Rheumatol.* 2023;18(Suppl 2):S276-401.
 - e) **Kapur M**, **Pranita**, **Wasnik PN**. Your Run-of-the-mill Pyelonephritis... or not, ePosters - Case Reports. *Indian J Rheumatol.* 2023;18(Suppl 2):S276-401.
 - f) **Pemmasani S**, **Rokkam R**. Mononeuritis Multiplex in an IgA Nephropathy Patient, ePosters - Case Reports. *Indian J Rheumatol.* 2023;18(Suppl 2):S276-401.
 - g) Singh A. Granulomatosis with Polyangiitis with a Rare Presentation of Diffuse Alveolar Hemorrhage, ePosters - Case Reports. *Indian J Rheumatol.* 2023;18(Suppl 2):S276-401.
2. Sharma A, Deo P, Naidu G, **Samanta J**, Mittal S, Sharma K, et al. POS1181 Validation of the 2022 - American College of Rheumatology/ European Alliance of Associations for Rheumatology Classification Criteria in Indian Patients with ANCA Associated Vasculitis. In: Scientific Abstracts [Internet]. BMJ Publishing Group Ltd and European League Against Rheumatism; 2023; 923-924.

Abstracts Published in Journal(s):

1. ePosters - Case Reports. *Indian J Rheumatol.* 2023;18(Suppl 2):S276-401.
 - a) Agarawal S, **Meher J**, **Samanta J**, **Pandit VR**, Gupta RK. Unveiling the Mystery in

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Dr. Joydeep Samanta	Hand and Wrist Pain	Rohini Handa; Aman Sharma	Rheumatology Clinics: Clinical Scenarios	1 st	New Delhi	Evangel Publishing	2024	42-48
2.	Dr. Joydeep Samanta	Dactylitis	Rohini Handa; Aman Sharma	Rheumatology Clinics: Clinical Scenarios	1 st	New Delhi	Evangel Publishing	2024	49-54
3.	Dr. Vikas Sharma, Dr. Joydeep Samanta, Dr. Aman Sharma	Ear and rheumatic diseases	Rohini Handa; Aman Sharma	Rheumatology Clinics: Clinical Scenarios	1 st	New Delhi	Evangel Publishing	2024	286-291
4.	Dr. Joydeep Samanta, Dr. Vikas Sharma, Dr. Aman Sharma	Approach to an ANCA-positive patient	Rohini Handa; Aman Sharma	Rheumatology Clinics: Clinical Scenarios	1 st	New Delhi	Evangel Publishing	2024	378-383
5.	Dr. Joydeep Samanta, Dr. Arghya Chattopadhyay	Adult Primary Immunodeficiency	Milind Nadkar	API Medicine Update 2024	2024 Edition	New Delhi	Jaypee Brothers	2024	703-708

PATIENT CARE

	OPD	IPD	Special Clinics
Total	89459	4648	8651

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Prof. (Dr.) Vinay R. Pandit

1. Participated and moderated scientific session Advanced Emergency Care Symposium (ACES 24) 27-28th January 2024 at AIIMS Raipur. Moderated session on "cardiac arrest rhythms, chamber enlargement, diagnosing STEMI" on 27-01-2024.
2. Organised CME on "Herpes Zoster Disease and its Prevention" on 04-07-2023 at AIIMS Raipur moderated and chaired session on "Herpes Zoster Disease and its Prevention"
3. Completed training at AIHQ- CIACON 2023 and Certified as "Internal Auditor - NABH" held at AIIMS Raipur from 27-29th April 2023.
4. Participated and moderated scientific session on "Ethics of AI in Healthcare & Research" at National CME on "Artificial Intelligence in Physiology and Health Care" on 09-12-2023 organised by Department of Physiology at AIIMS Raipur
5. Organising chairman for "Chhattisgarh Rheumatology - Update 2023" on 22nd-23rd July 2023 at AIIMS Raipur and moderated scientific session on "Approach to systemic vasculitis: A case based discussion"
6. Organising chairperson for CME on "Subacute sclerosing panencephalitis - Isoprinosine" on 23-09-2023 at AIIMS Raipur and moderated the scientific session.
7. Organised CME on rare disease - "Gaucher's disease and Hereditary Angioedema" on 30-11-2023 at AIIMS Raipur and moderated the scientific sessions.
8. Jointly Organised with Department of "CME on Rheumatoid Arthritis" world arthritis day, on 12th October 2023 at AIIMS Raipur.
9. Moderated scientific session at National CME on "Neoplastic Pathology of Lungs and Mediastinum Basics to Genomics" organised by Department of Pathology and Lab Medicine. Moderated scientific session on "Molecular work-up, NGS in precision oncology" on 05-08-2024 at AIIMS Raipur.
10. Participated in "5th National Symposium on Pulmonary Medicine - Pulmonary Medicine Update 2024" on 10-03-2024 organised by Department of Pulmonary Medicine at AIIMS Raipur Moderated and chaired scientific on "Critical Care Symposium"
11. Participated at CME on "World Kidney Day 2024" on 14-03-2024 organised by Department of Nephrology at AIIMS Raipur. Moderated and chaired the scientific session on "Peritoneal dialysis"
12. Syllabus Committee chairperson and Coordinator for designing syllabus for MD Family Medicine course curriculum for AIIMS and INI, NITI Aayog, Ministry of Health and Family Welfare.
13. Nodal officer and master trainer for training on "Diabetes & Hypertension comrbidities, standard treatment protocol" under NPCDCS Department of Health and Family Welfare, Raipur, CG
14. Nodal officer and master trainer for National Viral Hepatitis Control Programme (NVHCP) for CG state.
15. Nodal officer and master trainer for Non-Alcoholic Fatty Liver Disease (NAFLD) for CG state.
16. Participated in 5th National Conference Antimicrobial Stewardship Practices in India ASPICON 2023 organized by AIIMS Jodhpur

and SASPI India 30.09.2023 to 01.10.2023 and moderated scientific session on "Antifungal Stewardship - Long way to go".

17. Member and subject expert for recruitment at various INI's
18. Invited as expert for setting OSCE and Paper setter for National Board of Examinations (NBE) in General Medicine.

Dr. Md. Sabah Siddiqui

1. Executive member of Chhattisgarh state association of physician of India
2. Clinical secretary Raipur chapter API

Dr. Preetam Wasnaik

1. Special Invitee for National Technical Advisory Group on Immunization (NTAGI) working group on PCV vaccination for sickle cell patients. (MOHFW)
2. Chairman Scientific Committee "Rheumatology Update" AIIMS Raipur 22-23 July 2023.
3. Chair Session on Approach to connective to connective tissue disease in Rheumatology update AIIMS Raipur 22-23 July 2023
4. Chair session in Leukemia conference on topic Acute leukemia organized by Dept. of Dept. of clinical hematology and Dept. of Medical Oncology AIIMS Raipur on 2/9/23.
5. Chair session on Investigation in Rheumatology organized by CGAPICON 14/2/23.
6. Chair Session on topic Management of Pediatric TB, Management of Musculoskeletal TB and TB in Healthcare workers in Tuberculosis Symposium 2024 organized by Pulmonary Medicine AIIMS Raipur on 30/3/24.

Dr. Jhasaketan Meher

1. Successfully passed and received the

certificate in 2yr online training in Rheumatology (EULAR School of Rheumatology).

2. Worked as a coordinator for the National Medicine Quiz organized by Department of General Medicine, AIIMS, Bhopal.
3. Organising secretary for "Chhattisgarh Rheumatology - Update 2023" organised by department of General Medicine on 22nd-23rd July 2023 at AIIMS Raipur.
4. Received the certificate on Research methodology by NTEP (Swayam), also a certificate of training on research methodology by AIIMS, Raipur.
5. Chaired a Scientific Session on Blood Dyscrasia and as a Judge in platform presentation at APICON 2024, New Delhi, on 24th February 2024 organized by association of Physician of India.
6. Chaired a Scientific Session on ILD at Pulmonary Medicine Update 2024 on 11th March 2024 organized by Department of Pulmonary Medicine, AIIMS, Raipur.
7. Chaired a Scientific Session on Management of Tuberculosis at NTEP Tuberculosis Symposium 2024.
8. Chaired a session on World TB Week on 30th March 2024 organized by Department of Pulmonary Medicine, AIIMS, Raipur.
9. Acted as Co-Opted member in preparing Syllabus of M.D., Family Medicine, guided by NITIAYOG.

Dr. Pranita

1. Chair Session on topic Management of Pediatric TB, Management of Musculoskeletal TB and TB in Healthcare workers in Tuberculosis Symposium 2024 organized by

Pulmonary Medicine AIIMS Raipur on 30/3/24.

2. Member of Quiz Committee "Rheumatology Update" AIIMS Raipur 22-23 July 2023.

Dr. Joydeep Samanta

1. Membership of the prestigious association "Group for Research and Assessment of Psoriasis and Psoriatic Arthritis (GRAPPA)"

2. Organising chairman for "Chhattisgarh Rheumatology - Update 2023" organised by department of General Medicine on 22nd - 23rd July 2023 at AIIMS Raipur.

3. Panel Discussion: Disconnect Between Pulmonologist, Radiologist and Rheumatologist: Pathologist has a Role in Management of Granulomatous ILD-"ILD Symposium 2024" organised by Chhattisgarh Chest Society on 28.01.2024.

VISITING SCIENTIST(S)/OTHERS

The training done Medical Officers and CHOs for NPCDCS program , SIHF, Raipur CG

Prof. (Dr.) Vinay R. Pandit

S. No.	Title	Training	Date	Organised By
1.	Viral Hepatitis: Three days' Work Shop	Medical officers - Hepatitis training	30.11.2023 - 01.12.2023 11.12.2023- 13.12.2023	NVHCP, SIHFW, Raipur
2.	Diabetes Comorbidities and standard treatment protocol" ToT Training for Medical Officers	Medical Officers Project ECHO	02.11.2023 to 07.12.2023	SIHFW, Raipur
3.	"Hypertension Comorbidities and standard treatment protocol" ToT Training for Medical Officers	Medical Officers Project ECHO	06.11.2023 to 11.12.2023	SIHFW, Raipur

Dr. Md. Sabah Siddiqui

S. No.	Title	Training	Date	Organised By
1.	Chhattisgarh Echo Training on Malaria and Dengue Management	Project ECHO Online Training of Medical Officers	29.03.2023 to 27.09.2023	National Health Mission Chhattisgarh (NVBDCP Programme Induction & Strategies for Malaria Elimination)

2.	Training of Community Health Officers on Non- Communicable Disease	4 days Training at AIIMS, Raipur	10.04.2023 to 23.11.2023	Chhattisgarh State Health resource center
3.	Management of Medical Emergencies in Low Resource Settings	Training on Emergency Triage Assessment and Treatment for Medical Officers Chhattisgarh state	22.02.2024 to 27.02.2024	Chhattisgarh State Health resource center
4.	Management of Medical Emergencies in Low Resource Settings	Training on Emergency Triage Assessment and Treatment for Staff Nurses of Chhattisgarh State	03.07.2024 to 29.11.2023	Chhattisgarh State Health resource center
5.	Management of Medical Emergencies in Low Resource Settings	Training on Emergency Triage Assessment and Treatment for RMA of Chhattisgarh State	12.02.24 to 07.03.2024	Chhattisgarh State Health resource center
6.	Management of Sickle Cell Disease in Adults	Training of Medical Officers and Specialist on Sickle Cell Disease	03.04.2023	Sickle cell Institute Chhattisgarh, Raipur

Dr. Jhasaketan Meher

S. No.	Title	Training	Date	Organised By
01.	Diabetes Comorbidities and standard treatment protocol" ToT Training for Medical Officers	Medical Officers Project ECHO	02.11.2023 to 07.12.2023	SIHFW, Raipur
02.	"Hypertension Comorbidities and standard treatment protocol" ToT training for medical officers	Medical Officers Project ECHO	06.11.2023 to 11.12.2023	SIHFW, Raipur
03	Viral Hepatitis: Three days' Work Shop	Hepatitis Training	30.11.2023- - 01.12.2023 11.12.2023- 13.12.2023	NVHCP, SIHFW, Raipur

Dr. Pankaj Kumar Kannauje

S. No.	Title	Training	Date	Organised By
01.	Viral Hepatitis: Three days' Work Shop	Medical Officers - Hepatitis training	30.11.2023 01.12.2023 11.12.2023 - 13.12.2023	NVHCP, SIHFW, Raipur

DEPARTMENT OF GENERAL SURGERY

Professor & HOD

Dr. Debajyoti Mohanty

Additional Professors

Dr. Tridip Dutta Baruah

Dr. Dharmendra Dugar

Associate Professors

Dr. Radhakrishna Ramchandani

Dr. Rubik Ray

Dr. Chetan Anand

Assistant Professor

Dr. Jeewan Verma (D.O.J.: 11.09.2023)

HIGHLIGHTS

The Department undertakes various open and laparoscopic surgical procedures and therapeutic endoscopic interventions. The specialty clinics of breast cancer and hepatobiliary disorders are held for the focused and timely intervention of patients. The Department runs a postgraduate course (MS General Surgery) and a PDCC course in breast surgeries. The Department organizes virtual and physical CMEs for faculty members and surgical residents. The Department faculties have a keen research interest and are involved in many extramural and intramural projects.

EDUCATION

The Department undertakes clinical teaching

of undergraduate students for four semesters and didactic lectures for three semesters. During the clinical postings, the students observe the nuances of surgical care offered to patients in various work areas like OPD, the major and minor operation theatre and IPD. Internal assessments of the students are performed to evaluate the knowledge gained in clinical and theoretical aspects. The Department also organized a hands-on training program for its interns and residents to fine-tune their surgical skills.

Academic activities for postgraduate students are being conducted regularly (thrice every week) in the form of clinical case presentations, journal clubs, topic discussions, and surgical-pathological seminars.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Basic Surgical skill course	Workshop on surgical skill training	04.11.2023	Department of General Surgery, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Debajyoti Mohanty**

S. No.	Title	CME/Conference	Date	Organized By
1.	Steps of safe thyroidectomy: video presentation	CG ASICON 2023 chapter	09.04.2023	ASI, Chhattisgarh state
2.	Steps of creating a safe pneumoperitoneum	90 th AMASI Skill course	15.04.2023	AMASI at Raipur
3.	Troubleshooting in Laparoscopy	SELSICON 2023	15.09.2023	AIIMS, Bhubaneswar
4.	Massive bowel Gangrene: challenges for the surgeon	CME of Surgery	04.09.2023	AIIMS, New Delhi
5.	Requesting an investigation	PG induction program	11.10.2023	AIIMS, Raipur
6.	Handling IPD patients	Internship induction program	15.01.2024	AIIMS, Raipur

Dr. Tridip Dutta Baruah

S. No.	Title	CME/Conference	Date	Organized By
1.	Introduction to the Hospital Services and Hospital orientation	PG induction program	11.10.2023	AIIMS, Raipur
2.	Basic surgical suturing skill	Surgical skill workshop	04.11.2023	AIIMS, Raipur

Dr. Radhakrishna Ramchandani

S. No.	Title	CME/Conference	Date	Organized By
1.	Services and scope of oncology services at AIIMS Raipur	AIIMS Oncology Conclave	11.02.2024	AIIMS, New Delhi
2.	Triage and ABCDE of Trauma	WCAC -2023	08.09.2023	World critical care society at singapore

Dr. Chetan Anand

S. No.	Title	CME/Conference	Date	Organized By
1.	Setting specific learning objectives	MEU	26.09.2023	AIIMS, Raipur

Dr. Rubik Ray

S. No.	Title	CME/Conference	Date	Organized By
1.	Services and scope of oncology services at AIIMS Raipur	AIIMS Oncology Conclave	11.02.2024	AIIMS, New Delhi

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Name of the Conference	Date
1.	Shreya Malhotra, Dharmendra Dugar, Debajyoti Mohanty	Isolated Jejunal tuberculosis presenting as a painful abdominal lump	CG ASICON 2023	9 th April 2023
2.	Ashok Goyal, Dharmendra Dugar, Debajyoti Mohanty	Inspissated barium causing obstruction as U.F.O (Unidentified Foreign Object)	CG ASICON 2023	9 th April 2023
3.	Kapil Dixit, Tridip Dutta Baruah, Rubik Ray, Dharmendra Dugar	A rare case of left sided Amayand's hernia in a patient of Hunters Syndrome	CG ASICON 2023	9 th April 2023

Sr. No.	Authors	Title	Name of the Conference	Date
4.	Dr Shreya Malhotra, Debajyoti Mohanty, Dharmendra Dugar	Comparison of Ultra-High-Definition laparoscopy with High Definition laparoscopy on the outcome of surgery in the patients undergoing laparoscopic cholecystectomy	AMASICON 2023	2 nd -5 th Nov 2023
5.	Krishna Jangid, Dharmendra Dugar	The incidence, predicative factors and post-operative morbidity of intra-operative G.B perforation in elective laparoscopic cholecystectomy: A prospective Observational study*	ASICON 2023	13 th December 2023
6.	Kapil Dixit, Dharmendra Dugar, Debajyoti Mohanty	Assessment of accuracy of clinical evaluation with respect to radiological and intra-operative findings in patients of acute abdomen**	CG ASICON 2023	9 th April 2023
7.	Vipin Upadhaya Rubik Ray Tridip Dutta	Case series on pancreatic pseudoaneurysms	CG ASICON 2024	February 2024
8.	Vivek Verma	Solitary thyroid nodule	Regional Refresher course, Bhillai	2 nd Sept. 2023

* Awarded 3rd best postgraduate paper in ASICON 2023

** Awarded state level Best paper in the competitive section in CGASICON 2023

RESEARCH

Funded projects:

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	National Clinical Registry of Covid-19	Dr Tridip Dutta Baruah	ICMR	01 Years (To be extended)	Sept. 2020-Aug. 2023	Approx 1 crore, 14 Lakhs

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
2.	Global evaluation of cholecystectomy knowledge and outcomes (GECKO): A global prospective cohort study on cholecystectomy	Dr Dharmendra Dugar (Hospital lead)	NIHR (National institute of health research), Birmingham	01 year	2023-2024	NIL

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Global Cohort Study: Hernias, Pathways and Planetary outcomes for Inguinal Hernia Surgery, HIPPO: A global prospective cohort study on Inguinal Hernia surgery	Dr Dharmendra Dugar (Hospital lead)	NIHR (National institute of health research) Birmingham, UK	06 months	2022-2023	NIL
2.	COVID-19 vaccine on thrombotic events among 18-45 years old population in India, 2022: Multicentric hospital-based matched case-control study.	Dr Tridip Dutta Baruah (Hospital lead)	ICMR	24 months	2022-2024	4,85,000
3.	Reinfection with severe acute respiratory syndrome Corona virus-2 (SARS CoV-2) among health care workers India.	Dr Tridip Dutta Baruah (Hospital lead)	ICMR	24 months	2022-2024	8,43,600
4.	Factors associated with sudden deaths among adults aged 18-45 years, India: Multicentric, matched case-control study.	Dr Tridip Dutta Baruah	ICMR	24 months	2022-2024	5,33,750

DEPARTMENTAL PROJECTS**(including thesis/dissertations)***Ongoing*

S. No.	Project
1.	The effect of peri-operative administration of tranexamic acid versus no tranexamic acid on drain output in patients undergoing modified radical mastectomy at AIIMS Raipur.
2.	Comparison of wound outcome in subcutaneous negative suction drain versus subcutaneous corrugated rubber drain in closure of midline incision in emergency laparotomy for perforation peritonitis.
3.	Utility of D dimer and procalcitonin as an early predictive marker of severity of Acute pancreatitis.
4.	Early versus delayed dressing removal in clean and clean contaminated surgical wounds: a randomized non-inferiority study.
5.	Postoperative pain relief following 0.5% Bupivacaine irrigation of surgical bed after laparoscopic cholecystectomy- a double blind randomized controlled trial.
6.	A randomized controlled trial to assess the effect of changing gloves immediately prior to mesh handling in reducing the surgical site infection rates among patients undergoing glove change versus patients in whom no such change has been undertaken during elective open mesh hernioplasty.
7.	Randomized control study on diabetic foot ulcers to compare wound healing between vacuum assisted closure dressing versus conventional dressing.
8.	Qualitative study: Healthcare initiative to increase adherence and fidelity to the surgical safety checklist.
9.	A Study of Upper Gastrointestinal Endoscopic Profile in Patients of Dyspepsia in Central India: A prospective observational Study.
10.	The effect of early (<48 hours) versus conventional (>48 hours) peritoneal drain removal in reducing the overall postoperative morbidity in patients undergoing emergency laparotomy.
11.	Comparison of n-butyl 2-cyanoacrylate glue fixation versus conventional fixation of polypropylene mesh in patients undergoing Lichtenstein repair for inguinal hernia: A randomized controlled trial.
12.	Comparison between single drain versus double drain following modified radical mastectomy for breast cancer patients admitted at AIIMS Raipur.
13.	Comparison of Ryle's tube vs T tube for feeding jejunostomy in patients undergoing gastrointestinal surgery: An open label randomized controlled trial.
14.	BISAP versus APACHE II scoring system for severity assessment of acute pancreatitis: a comparative observational study at AIIMS Raipur.

15.	Short term study to assess the risk of Deep vein thrombosis among patients admitted in general surgery wards of AIIMS Raipur: a prospective observational study.
16.	Study of the risk factors of bowel perforation in the patients undergoing emergency laparotomy.
17.	Comparison of near versus far suture bite technique in the closure of midline incision with respect to the development of wound complications in patients undergoing emergency abdominal surgery: a pilot study.
18.	The incidence of intra-operative gallbladder perforation in patients undergoing laparoscopic cholecystectomy: a prospective observational study.
19.	To study the clinic-epidemiological profile of the patients undergoing exploratory laparotomy for gastrointestinal perforation.
20.	Assessing the impact of intraoperative wound irrigation with normal saline on incisional surgical site infections in patients with abdominal incisional and laparotomy wounds when compared to no irrigation: a two arm parallel randomized controlled trial.
21.	Comparison of postoperative pain and short-term quality of life in patients undergoing hemorrhoidectomy by Milligan Morgan technique versus ligasure assisted technique: a randomized controlled trial.
22.	Comparison of full versus half suction drainage on post-operative drain output in patients undergoing modified radical mastectomy for breast cancer at AIIMS Raipur.
23.	Seroma prevention after modified radical mastectomy by Tranexamic Acid (SPaMTA).

Completed

S. No.	Project
1.	Assessment of clinical response and pathological response to neoadjuvant chemotherapy in locally advanced breast carcinoma.
2.	Effect of foot exercises on ulcer healing and quality of life in patients with diabetic foot ulcer- an open labeled randomized controlled study.
3.	Comparison of oral Tamoxifen versus Centchroman in reducing the size of breast fibroadenoma in adolescent and middle aged ladies.
4.	To study the spectrum of clinical profile, microbiological profile, and morbidity in patients of diabetic foot.
5.	Comparison of Ultra-High- Definition laparoscopy with conventional High-Definition laparoscopy for intraoperative adverse effects in patients undergoing laparoscopic Cholecystectomy: a randomized controlled trial.
6.	Evaluation of prognostic factors in necrotizing soft tissue infections

7.	Assessment of accuracy of clinical evaluation with respect to radiological and intra-operative findings in patients of acute abdomen.
8.	Comparison of two point fixation versus conventional fixation of polypropylene mesh in patients undergoing Lichtenstein repair for inguinal hernia: A pilot study.
9.	A prospective study of assessment of risk factors in Abdominal wound dehiscence using Rotterdam risk index score.

Collaborative projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Intensive glycemc control for diabetic foot ulcer healing: A multicentric randomizes controlled study.	AIIMS, Raipur, PGI Chandigarh, IPJMER Kolkata, Max Hospital, New Delhi
2.	Implementation Research Associates for Patient Safety	AIIMS, Mangalagiri, AIIMS, Bhubaneswar
3.	The role of infrared thermometry in the management of diabetic foot osteomyelitis	Department of Endocrinology AIIMS, Raipur
4.	Understanding the role of miRNAs in modulating the cellular response of dendritic cells during post traumatic sepsis and septic shock	Department of Biochemistry, AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Implementation research associates for patient safety	AIIMS-Raipur, AIIMS-Bhubaneshwar, AIIMS-Mangalagiri, NID-Vijaywada
2.	MDCT and USG correlation in severity of acute pancreatitis	Department of Radiodiagnosis, AIIMS, Raipur

PUBLICATIONS

1. Turuk A, Kumar G, Mukherjee A, Jayashree M, Patel SM, Bhardwaj P, Bingi TC, **Baruah TD**, et al. Evaluation of a Hospitalized Paediatric COVID-19 cohort from Indian National Registry of COVID-19. *Indian J Pediatr.*2023 Oct;90(10):1000-1007.
2. Kumar G, Bhalla A, Mukherjee A, **Baruah TD** et al. Post COVID sequelae among COVID-19 survivors: insights from the Indian National Clinical Registry for COVID-19. *BMJ Glob Health* 2023;8 (10):e012245.
3. Ponnaiah M, Bhatnagar T, Abdulkader RS, Elumalai R, Surya J, Jeyashree K, **Baruah TD** et al. Factors associated with unexplained sudden deaths among adults aged 18-45 years in India - A multicentric matched case-control study, *Indian J Med Res.*2023; 158:351-62.
4. Ponnaiah M, Bhatnagar T, Abdulkader RS, Elumalai R, Surya J, Jeyashree K, **Baruah TD** et al. Authors response to Factors associated with unexplained sudden deaths among adults aged 18-45 years in India - A multicentric matched case-control study, *Indian J Med Res.*2023 Nov 1; 158(5&6):505-508.
5. Ponnaiah M, Bhatnagar T, Abdulkader RS, Elumalai R, Surya J, Jeyashree K, **Baruah TD** et al. Authors response to Factors associated with unexplained sudden deaths among adults aged 18-45 years in India - A multicentric matched case-control study, *Indian J Med Res.*2024 Jan; 159(1):44-45.
6. Borkar N, Tiwari C, **Mohanty D, Baruah TD**, Mohanty M, Sinha CK. Post-urethroplasty complications in hypospadias repair: a systematic review and meta-analysis comparing polydioxanone and polyglactin sutures. *World J PediatrSurg.* 2024 Mar 1;7(1):e000659.
7. **Baruah TD**, Kannauje PK, **Ray R**, Borkar N, Panigrahi S, Kumar D, et al. Hospital Mortality among COVID 19 patients- Experience of a multi disciplinary Tertiary Care Teaching Hospital of Chhattisgarh in Central India. *J Family Med Prim Care* 2022 Oct;11 (10):6499-6505.
8. **Ray R, Baruah TD**, Kumar D, Satarkar R, Prasad R, Nayaka MS. Rarest of the Rare - Malignant Solitary Fibrous Tumour of the Breast: Case Report and Literature Review. *Maedica (Bucur)* 2024 Mar;19(1):170-176.
9. **R Ray, TD Baruah**, M Ravina, D Kumar, T Minz. Umbilical nodule-A not always innocuous abdominal finding. *J Cancer Res Ther.* 2023 Jan 1;19(Suppl 2): S946-S949.
10. Manu S, **Ray R, Baruah TD**, Samal S. Sucralfate plus Metronidazole ointment is as effective as Diltiazem ointment for treatment of acute fissure in ano-an open label randomized clinical trial. *Ro Med J.* 2024; 71(1):5-11.
11. **Mohanty D, Dugar D**, Waliya A. A Right-Angled Thorn in the Bowel: A Curious Case of Small Bowel Perforation. *Cureus.* 2023 Aug 24, 15(8): e44068.
12. Borkar NB, Tiwari C, **Mohanty D**, Vepakomma D, Nagdeve N. Techniques of staged laparoscopic orchidopexy for high intra abdominal testes in children: a systematic review and metanalysis. *Urol Ann.* 2024 Jan-Mar;16(1):64-70.
13. Srivastava NK, Singh S, Mohanty D, Hussain

- N. Clinicopathological profile of breast cancer from Chhattisgarh India: a single center hospital based study. *J Family Med Prim Care* 2023 Sep;12(9):1923-1930.
14. Borkar NB, Tiwari C, Nair A, **Mohanty D**, Sinha CK, Mahajan JK. Tubularized incised plate urethroplasty and grafted tubularized incised plate urethroplasty: systematic review, meta-analysis and trial sequence analysis. *World J Pediatr Surg.* 2024 Feb 21;7(1):e000707.
 15. Dugar D, Goel S. Intra-abdominal Pressure Measurement as a Predictor of Postoperative Wound Complications in Patients Undergoing Emergency Laparotomy: A Prospective Observational Study. *Cureus.* 2024 Feb, 16(2): e54860.
 16. Gupta RK, Verma KK, **Ramchandani R**. Scapular ulcero-nodular actinomycosis masquerading as soft tissue tumour: a case report. *Trop Doct.* 2024 Jan 54(1):62-65.
 17. Dantis K, **Ramchandani R**, Sahu SA, Singh VY, Dasgupta S. Primary cutaneous adenoid cystic carcinoma of the chest wall with axillary lymph node metastases and its management: a case report. *Port J Card ThoracVasc Surg.* 2023 Jul 7;30(2):51-54.

Chapter in Books

S. No.	Author(s)	Chapter Title	Name of Editor	Name of the Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Rubik Ray, Jayanta Saha, Debabrata Biswas	Disorders of salivary glands	Nilay Mandal, Supriyo Ghatak Ankan Mondal	Postgraduate surgery	1 st	Kolkata	Jaypee Publications	2024	948-962

PATIENT CARE

	OPD	IPD	Endoscopy Room	Major OT	Minor OT
01-04.2023 to 31.03.2024	41219	2377	1892	1331	788

Special Clinics:

- Breast Clinic* : Weekly once on Wednesday
Hepatobiliary Clinic : Weekly once on Friday

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Debajyoti Mohanty

1. Appointed member of faculty selection board for General surgery at AIIMS, Gorakhpur, AIIMS Nagpur, AIIMS Bhopal, and UCMS Delhi.
2. Faculty for postgraduate students in the ASI regional refresher course 2023 for central zone.
3. Faculty for SCOPE course 2023 conducted by Delhi Medical Council.
4. Faculty for online teaching program of DNB students in General Surgery conducted by NBE.
5. Appointed member of Board of Institute Ethical committee of Swami Vivekanand Technical University Bhilai, Chhattisgarh.
6. Faculty for ABCD of POCUS-2023 CME cum workshop at AIIMS Raipur on 29th April 2023.
7. Faculty for HICC workshop on 14.06.2023 and 20.07.2023 at AIIMS Raipur.
8. Faculty for 18th International conference of minimal access surgeons (AMASICON 2023) at Raipur on 2nd-5th November 2023.
9. Faculty for East zone SELSICON at AIIMS Bhubaneswar on 14th-16th September 2023.
10. Faculty for 90th AMASI skill course and FMAS examination at Raipur on April 2023.
11. Faculty for AIIMS New Delhi CME on 2nd-5th September 2023.

Dr. Radhakrishna Ramchandani

1. Faculty for East zone SELSICON at AIIMS Bhubaneswar on 14th-16th September 2023.
2. Faculty for 7th annual conference of asian society of mastology (ASOMACON-23) on 15th-18th November 2023 at HIMS, Dehradun.
3. Faculty for SCOPE course 2023 on 22.07.2023 conducted by Delhi Medical Council.

4. Faculty for World critical care and anaesthesiology conference WCAC-2023 at Singapore on 08.09.2023-09.09.2023.
5. Faculty for AIIMS New Delhi CME on 2nd-5th September 2023.
6. Faculty in AIIMS oncology conclave at AIIMS New Delhi on 11.02.2024

Dr. Tridip Dutta Baruah

1. Conferred Fellow of American college of Surgeons.
2. Participated in 2nd Fellowship course in robotic surgery.
3. Felicitated by National health authority on Doctors day.
4. Organisation of health camps on behalf of AIIMS Raipur in the remote areas of the state of Chhattisgarh.
5. Faculty for postgraduate induction program at AIIMS, Raipur.
6. Trainer for training ITBP personnel on Trauma and emergency medicine.
7. Faculty for basic surgical skill course for residents at AIIMS Raipur.

Dr. Dharmendra Dugar

1. Completed certification course in ethical research on 31.07.2023.
2. Participated in the workshop on TEP in hernia management on 02.11.2023.
3. Completed certification course in Basic Life Support from 2nd-4th February 2024.
4. Completed certification course in basic research methodology on 6th-7th November 2023.

Dr. Rubik Ray

1. Faculty in AIIMS oncology conclave at AIIMS New Delhi on 11.02.2024.

DEPARTMENT OF MEDICAL ONCOLOGY

Assistant Professor and In-charge

Dr Amit Kumar

HIGHLIGHTS

The Department is running Hematology OPD/IPD/Daycare/Referrals. The Department had organized a state level conference on Acute Leukemia in collaboration with Hematology Department. The Department celebrated World Cancerday by conducting an awareness programme in association with department of Hematology.

EDUCATION

Oncology classes focusing on chemotherapy aspects conducted time to time in collaboration with other specialties i.e. ENT/Head-neck surgery, Pulmonary medicine, CCU/Anaesthesia, Obetetrics-Gynaecology, Transfusion Medicine, Emergency Medicine.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Conference on Acute Leukemia	State level Conference	02.09.23	Department of Hematology/ Medical oncology

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr Amit Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	Concurrent chemotherapy in Lung cancer	6 th Masterclass in Lung cancer	15.07.2023	Cancer Research and Statistics Foundation, Mumbai
2.	How do I manage Lung cancer patients	National Conference	05.08.2023	Department of Pathology AIIMS, Raipur

3.	How I Treat Adult AML	State Level conference on Acute leukemia	02.09.23	Department of Hematology, Medical oncology and General Medicine, AIIMS, Raipur
4.	Role of Chemotherapy in oral cavity Carcinoma	CME on Head Neck cancer	14.10.2023	Department of ENT & Head Neck Surgery, AIIMS, Raipur
5.	Testicular Cancer: Selection and sequencing in advance cancer	Midterm Conference of HBCH & MPMMCC,	13.01.2023 to 14.01.2023	Medical Oncology Department, Banaras Hindu University, Varanasi
6.	Invasive Candidacies: Challenges in clinical practice	National CME	30.01.2023 to 31.01.2023	Department of Microbiology, AIIMS, Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	To evaluate the effect of Yoga Therapy in management of Post-Operative Myofacial Pain in Breast Cancer Patient.	Dr Amit Kumar	CCRYN	1 Year	2023-2024	1,30,000/-

PUBLICATIONS

1. Bala S, Kumar A, Ravina M, Dange P, Kashyap Y. Myeloid sarcoma cases with varied presentations leading to diagnostic delay: A case series. J Hematol Allied Sci 2023;3:29-33.

PATIENT CARE

	OPD	IPD+Daycare	Special Clinic
Total	Medical oncology 15117	5149	None

DEPARTMENT OF MICROBIOLOGY

Professor and Head

Dr. Anudita Bhargava

Professors

Dr. Padma Das

Dr. Archana Keche Wankhede

Additional Professors

Dr. Ujjwala Gaikwad

Dr. Sanjay Singh Negi

Assistant Professors

Dr. Pragya Agarwala

Dr. Abhijit Kumar Prasad

Dr. Kumar Vikram

Dr. Madhavi Madkey

HIGHLIGHTS

The Department organized a National CME and a one-day workshop in Mycology titled- "Clinico-Mycological Update: Uncovering the unknown" under the aegis of Chhattisgarh Association of Medical Microbiologists (CMM)-CG chapter of IAMM, on January 30 and 31, 2024. The Department also organized two 5-days workshops for laboratory technicians of Chhattisgarh DHs and Government Medical Colleges on 'Laboratory testing of Viral Hepatitis' under National Viral Hepatitis Control Program; from 17th-21st October 2023 and 20th-24th February 2024. A new faculty- Dr. Madhavi Madkey, joined the department on 8th February 2024, as Assistant Professor. State-level VRDL in the department was awarded a stand-alone BSL-3 Laboratory under PM-ABHIM yojna by DHR-ICMR. The scope of state-level VRDL was expanded to IDRDL

(Infectious Disease Research and Diagnostic laboratory), now encompassing Bacteriology, Mycology and Parasitology as well. A new course "PDCC in Hospital Infection Control" was started under the supervision of Dr. Ujjwala Gaikwad and two candidates joined the course in first batch from July 2023 session.

EDUCATION

- Regular sensitization/ Training programs for different cadres of Health care workers of AIIMS-Raipur on Infection control precautions.
- Thesis of three MD students was completed, submitted and approved.
- Thesis of five MD students who joined in Jan 2021, is completed and submitted.
- Four more MD students joined in 2023-2024; three in August 2023 and one in February 2024.

- Faculty were also called as external experts in faculty interviews (direct recruitment and APS) at various institutes of national importance.
- Two more PhD students joined the department in July-August 2023.
- Two PhD students are already pursuing the course since 2022.
- Two students joined the new course of PDCC (HIC-Hospital Infection Control), in July-August 2023.
- The department is actively engaged in imparting teaching to MD, PhD, PDCC (HIC), MBBS, B.Sc. Nursing, B.Sc. MLT, B.Sc. OT Technology and Trauma Technicians for both theory and practical aspects of Bacteriology/ Virology/ Mycology/ Parasitology/ Immunology and Clinical Microbiology.
- MD-Microbiology was awarded to three students-two in July 2023 and one in February 2024.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Clinico-mycology updates: Uncovering the unknown	National CME & Workshop	30-31.01.2024	Department of Microbiology, AIIMS, Raipur
2.	Laboratory diagnosis of Viral Hepatitis under National Viral Hepatitis Control Programme (NVHCP)	46 th Annual Conference of Indian Association of Medical Microbiologists	20-24.02.2024	Department of Microbiology, AIIMS Raipur and NHM, CG

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. (Prof.) Anudita Bhargava

S. No.	Title	CME/Conference	Date	Organized By
1.	Neonatal Septicemia at Secondary Health care level: An experience'	46 th Annual Conference of IAMM-MICROCON 2023	25.11.2023	KGMU, Lucknow

2.	Objectives of the training and overview of NVHCP	Workshop of Laboratory Technicians on Viral Hepatitis	17-21.10.2023 and 20-24.02.2024	NHM, CG
	Infection control Practices External Quality Assessment (EQA)			
	PEP- HIV/HBV/HCV guidelines			
3.	Introduction to the theme of the event	National CME & Workshop on "Clinico-Mycolological Update: Uncovering the unknown"	30-31.01.2024	Department of Microbiology, AIIMS Raipur & CAMM
4.	Outbreak Investigation in Hospital Setting	National CME on "Infection prevention and control: Break the chain and make the barriers"	10.02.2024	Department of Microbiology, GMC, Mahasamund & CAMM
5.	Microbiological Investigations of Common Zoonotic Diseases	State-level Workshop on Strengthening Zoonotic disease Surveillance	11.08.2023	Health Services, Govt. of Chhattisgarh

Dr. Padma Das

S. No.	Title	CME/Conference	Date	Organized By
1.	Early Diagnosis of Meningitis and Acute Encephalopathy syndrome	14 th IAMM-OC	29.09.2023	Saheed Laxman Nayak Medical College & Hospital, Koraput
2.	Gaps and Challenges in Managing Biomedical Waste in Healthcare Facilities	Advocacy webinar on "Gaps and Challenges in Managing Biomedical Waste in Healthcare Facilities"	09.10.2023	S.C.B. Medical College, Cuttack
3.	Antimicrobial resistance	National Board of Examination in Medical Sciences	20.01.2024	Online Webinar
4.	Case Discussion-Materno-neonatal listeriosis; A case report and review of literature	National Board of Examination in Medical Sciences	09.12.2023	Online Webinar

Dr. Archana Keche

S. No.	Title	CME/Conference	Date	Organized By
1.	Common data parameters for zoonotic diseases surveillance & integration sharing experiences & best practices (Panel discussion)	State level sensitization workshop on strengthening zoonotic diseases surveillance & data integration for public health resilience	11.08.2023	IDSP, Chhattisgarh & USAID RISE/Jhpiego
2.	Laboratory diagnosis of Rabies	Capacity building training under National Rabies control programme(NRCP) & national one health programme for prevention & control of zoonotic diseases	11.09.2023	NHM, Chhattisgarh Raipur
3.	Fungal Microscopy & culture	Resource person in Training programme for Microbiologists of District Hospitals	26-27.09.2023	District Hospital Raipur
4.	Lophomonas:an emerging pathogen?	National conference of Indian academy of Tropical Parasitology TROPACON-2023	27-29.10.2023	AIIMS, Jodhpur
5.	Diagnosing Rare Fungal Infections	National conference 'MICROCON 2023' by Indian association of Medical Microbiologist	23-27.11.2023	KGMU, Lucknow
6.	Necessity of AFST & Anti-Fungal Stewardship	The National level Workshop 'Clinico- Mycological Update: uncovering the unknown'	30-31.01.2024	AIIMS Raipur under aegis of CAMM
7.	Challenges in diagnosis of Lophomonas infections	IATP Experts' Meet - Panel Discussion	07.03.2024	Indian Academy of Tropical Parasitology
8.	Drug resistant parasites and fungi from a one-health perspective: A global concern that needs trans-disciplinary stewardship programs	VAMMCON-2024	31.03.2024	Vidarbha Association of Medical Microbiologists Organized by Datta Meghe Medical College, Wanadongri, Nagpur

Dr. Ujjwala Gaikwad

S. No.	Title	CME/Conference	Date	Organized By
1.	Resource faculty for Quality coordinator session	National Conference cum workshop on Certification of Internal Auditor - NABH (CIACON 2023)	27-29.04.2023	Department of Nursing, AIIMS, Raipur
2.	New Technologies for Infection Prevention and Control	4 th state level annual conference of Chhattisgarh association of Medical Microbiologist (CAMM), 'CGMICROCON 2023'	02-03.09.2023	CIMS Bilaspur, under the aegis of CAMM
3	HAI Surveillance	State training of trainers program on "Infection Prevention and Control"	13-14.09.2023.	Department of Health & Medical Education, National Health Mission Chhattisgarh
4	Newer Diagnostic methods in TB	"Pulmonary Medicine Update" 5 th National Symposium on Advances in Pulmonary Medicine.	10.03.2023	Department of Pulmonary Medicine, AIIMS, Raipur
5	Diagnostic methods in TB	Sensitization Program for Faculty members on the Occasion of World TB Day 2023	30.03.2023	NTEP Core Committee, AIIMS, Raipur

Dr. Sanjay Singh Negi

S. No.	Title	CME/Conference	Date	Organized By
1.	Deciphering lineage, variant and mutational characteristic of SARS-CoV-2 Omicron circulating in Chhattisgarh" in 7 th international conference on infectious diseases on the theme of "Infectious Diseases Prevention, Control and Cure" conducted by Herald meetings between December 08 - 09, 2023 at New York, UNITED STATES.	in 7 th international conference on infectious diseases on the theme of "Infectious Diseases Prevention, Control and Cure" conducted by Herald meetings between December 08 - 09, 2023 at New York, UNITED STATES.	08 - 09, December 2023	Online
2.	HCV Diagnosis	NVHCP training to Medical officers	23-25.08.2023 and 11-13.12.2023	SIHFW, Raipur, Chhattisgarh

Dr. Pragya Agarwala

S. No.	Title	CME/Conference	Date	Organized By
1.	Current challenges in gram positive infections	CGMICROCON-2023	03.09.2023	Chhattisgarh Association of Medical Microbiologist
2.	Acute Viral Hepatitis: Demystifying the Hepatitis A/E conundrum	1 st International CME on Viral Hepatitis	28.07.2023	AIIMS, Rajkot

Dr. Abhijit Kumar Prasad

S. No.	Title	CME/Conference	Date	Organized By
1.	Reduction in blood culture contamination rate in critical care unit - A Quality Improvement Initiative	Quality Improvement Initiative training (lecture delivered online)	12.02.2024	AIIMS Trauma Centre, New Delhi under aegis of CDC

Dr. Kumar Vikram

S. No.	Title	CME/Conference	Date	Organized By
1.	Biomedical Waste management	State level Workshop on Laboratory diagnosis of Viral Hepatitis	20 - 24.02.2024	Department of Microbiology, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Rahul Garg, Anudita Bhargava, Ajay Trakroo, Sridhar Ryavanki, Debabrata Dash, Shagufta Khatoon	Profile of Neonatal sepsis at District-level Sick Newborn Care Units in Central Rural India: Sharing experience of four years	33 rd ECCMID European Congress of Clinical Microbiology and Infectious Diseases Poster No. P1241	15 - 18.04.2023	Copenhagen, Denmark European Society of Clinical Microbiology and Infectious Diseases
2.	Anudita Bhargava, Harshita Dokania, Satyaki Ganguli, Rupa Mehta, Jhasaketan Meher and Sunil Kumar Rai	An Audit of Requisitions for Total Serum IgE test: A Pilot Study to Evaluate Clinical Utility of total serum IgE level estimation	CIDSCON 2023	07 - 09.07.2023	CIDS (Clinical Infectious Diseases Society) at Chennai

3.	Swadha, Anudita Bhargava, Archana Keche, Atul Jindal	Non fermentative Gram-Negative bacilli as a cause of septicaemia among neonates admitted to Special Newborn care units (SNCUs): First report from various secondary level health care facilities of Chhattisgarh	CIDSCON 2023	07 - 09.07.2023	CIDS (Clinical Infectious Diseases Society) at Chennai
4.	Smrithi Maniraj, Anudita Bhargava, Archana Keche, Atul Jindal	MDR <i>Klebsiellapneumoniae</i> out breaks among neonates admitted in Special Newborn Care Unit of a district hospital in Chhattisgarh: An eye opener for implementing Infection control program	CIDSCON 2023	07-09.07.2023	CIDS (Clinical Infectious Diseases Society) at Chennai
5.	P. Das, Sajitha V., Jagzape et al.	Optimizing <i>Mycoplasma pneumoniae</i> diagnostic by a combination of methods-An observational study from Central India	IUIS-2023,	27.11.2023 - 02.12.2023	18th International Congress of Immunology, Cape Town, South Africa
6.	P. Sree Laxmi, P. Das, P. Agarwala et al	Unraveling an unusual organism following Penetrating eye injury- <i>Pasturellacanis</i> .	CG - MICROCON-2023	02 - 03.09.2023	Chattisgarh Institute of medical Sciences, Bilaspur.
7.	A.K. Prasad, P. Das, C. Panda et al	Reduction in Blood culture contamination rate in Critical care unit- A quality improvement initiative Awarded: 1 st prize	MICROCON-2023	24 - 26.11.2023	King George's Medical University, Lucknow
8.	S. Maniraj, P. Das, P. Agarwala et. al.	<i>Stenotrophomonasmaltophilia</i> : Is it time to revisit the treatment of choice?	MICROCON-2023	24 - 26.11.2023	King George's Medical University, Lucknow.

9.	S. Mann, P. Das , K. Vikram et al.	Prevalence, Antimicrobialsuscep- tibility, risk factors and outcome of difficult-to- treat <i>Pseudomonas</i> <i>aeruginosa</i> infection in a tertiary care centre in central india.	MICROCON-2023	24- 26.11.2023	King George's Medical University, Lucknow
10.	A. Mohapatra, P. Das , P. Agarwala et. all.	A disseminated case of melioidosis: a great escapist and challenge to routine antibiotic therapy. Awarded: 1 st prize.	VAMMCON 2024	30.03.2024	Datta Meghe Medical College, Nagpur.
11.	Keche Archana, Ganguly Satyaki, Chhabra Namrata, SahuVijaya, Gupta Rakesh	Identification of Rare Fungal Agents in Implantation Mycosis: A Study from AIIMS Raipur, Chhattisgarh	46 th Annual National Conference 'MICROCON 2023' by Indian association of Medical Microbiologist	23- 26.11.2023	Indian Association Medical Microbiologists (IAMM) at KGMU, Lucknow
12.	Dr. Swadha	A rare case of abdominal wall mycetoma due to Nocardiabrasiliences	Sai Microcon 2023 International E-Conference	20- 21.11.2023	Department of Microbiology Shreesatyasai Medical College & Research Institute, Chennai
13.	Karthika J, Archana Keche, Rupa Mehata, Ripu Daman Arora, Satish Satpute, Anudita Bhargava	Inicomycological profile of Mucormycosis in a tertiary care hospital in central India	CGMICROCON 2023	2- 3.09.2023	Chhattisgarh Association of Medical Microbiologists (CAMM) at CIMS Bilaspur
14.	Archana Keche, Shalini Mann, Girish Patil, Neeta Mishra	Acanthamoeba Keratitis in A Fisherman: A Diagnostic Challenge			

15.	Dr Swekcha Ranjan, Archana Keche, Abhijit Kumar Prasad, Satyaki Ganguly, Sajitha Venkatesan, Girish Patil, Smrithi Maniraj	Streptomyces species: a friend or foe? The diagnostic dilemma of cutaneous & subcutaneous infection	CGMICROCON 2023	3.09.2023	Chhattisgarh Association of Medical Microbiologists (CAMM) at CIMS Bilaspur
16.	Archana Keche, Girish Patil, Satyaki Ganguly, akesh Gupta	A case series of subcutaneous mycoses caused by rare fungal pathogens.			
17.	Archana Keche, Girish Patil, Vijaya Sahu, Neeta Mishra	Clinico epidemiological features & mycological profile of keratitis from a tertiary care teaching hospital in central India	Trends in Medical Mycology (TIMM)	20-23.10.2023	ECMM at Athens, Greece
18.	Karthika J, Archana Keche, Snjay Sigh Negi, Anudita Bhargava	Utility of molecular methods in diagnosing invasive fungal infections (IFI) with special reference to Mucormycosis, Aspergillosis & Pneumocystosis	46 th Annual National Conference 'MICROCON 2023' by Indian association of Medical Microbiologist	23-26.11.2023	Indian Association Medical Microbiologists (IAMM) at KGMU, Lucknow
19.	*Ujjwala Gaikwad, Padma Das, Anudita Bhargava, Ajoy Behera, Tushar Jagzape, Sachin Chandraker	Evaluation of Fluorescein Diacetate Viability staining during treatment follow up examinations of smear positive Pulmonary Tuberculosis patients	78 th National Conference on Tuberculosis and Chest Diseases (NATCON), 2023 at Lulu International Convention Centre, Thrissur, Kerala from	03-04.02.2024	Association of Pulmonologists, Thrissur and Academy of Pulmonary and Critical Care Medicine under the aegis of The Tuberculosis Association of India

20.	**Atish Mohapatra, Ujjwala Gaikwad, Ranganath T. Ganga, Pratibha Sharma	Role of current microbiological methods in diagnosis of pleural tuberculosis: Time to explore new biomarkers?	4 th state level annual conference of Chhattisgarh association of Medical Microbiologist (CAMM), 'CGMICROCON 2023'	02- 03.09.2023	CIMS Bilaspur, under the aegis of CAMM
21.	***Smrithi Maniraj, V. Chandiran, Ujjwala Gaikwad, Kumar Vikram, Anudita Bhargava	Hand hygiene compliance audit: An experience with 'ibhar' mobile application	4 th state level annual conference of Chhattisgarh association of Medical Microbiologist (CAMM), 'CGMICROCON 2023'	02- 03.09.2023	CIMS Bilaspur, under the aegis of CAMM
22.	Priyanka Singh, Ujjwala Gaikwad, Waseem Khan, Anudita Bhargava	Correlation of ventilator bundle compliance with incidence of ventilator-associated event in adult ICUs: An experience of a tertiary care center from Central India	ASPICON 2023 - 5 th National Conference in Antimicrobial Stewardship	September 29 th to October 1 st , 2023	AIIMS, Jodhpur
23.	****Atish Mohapatra, Sushree Sarathi, Abhijit Prasad, Satyaki Ganguly, Ujjwala Gaikwad, Anudita Bhargava	An Outbreak of Clostridioides Difficile In Dermatology Ward Amongst Mucocutaneous Pemphigus Vulgaris Patients	"MICROCON 2023", 46 th Annual Conference of Indian Association of Medical Microbiologists	23 to 26.11.2023	KGMU, Lucknow
24.	Negi SS et al	Anti HBc antibody, HBs antigen(HBsAg) and HBV DNA predicting cirrhosis in chronic HBV infection: A prospective clinico- microbiological study from Central India	18 th International congress of Immunology (IUIS)	27.11.2023- 02.12.2023	Cape Town

25.	Pragya Agarwala, Atish Mohapatra, Harmanpreet Kaur, Nistha Rutam Dash, Arvind Shukla, Pankaj Kanauje, Sanjay Singh Negi, Anudita Bhargava	A Tale of Two Waves: A Comparative Analysis of Disease Severity & Characteristics in Hospitalized COVID-19 Patients in a Tertiary Care Center in Central India	CIDSCON	July 7 th - 9 th	Clinical Infectious Disease Society, India
26.	Abhijit Kr. Prasad, Padma Das, Chinmaya Panda, Ujjwala Gaikwad, Rinckle Panjwani, Shristi, Dhruv, Swati Pathak	Reduction in blood culture contamination rate in critical care unit - A Quality Improvement Initiative	MICROCON 2023	23- 26.11.2023	KGMC, Lucknow under the aegis of Indian Association of Medical Microbiologists (IAMM)
27.	Dr.Kumar Vikram, Dr.Anudita Bhargava, Dr.Pragya Agarwala, Dr.Eli Mohapatra, Dr.Padma Das, Dr.Ujjwala Gaikwad	SARS-CoV-2 sero- surveillance among healthcare workers at a tertiary care reference centre in Central India: A cross-sectional study	CGMICROCON - 2023	02- 03.09.2023	Department of Microbiology, CIMS, Bilaspur
28.	Dr.Kumar Vikram, Dr.Ujjwala Gaikwad, Dr.Anudita Bhargava	Prevalence and Pattern of inhA and katG mutations in isoniazid resistant Mycobacterium tuberculosis and associated fluoroquinolone resistance.	ASPICON - 2023	29.09.2023- 01.10.2023	AIIMS, Jodhpur & Society of Antimicrobial Stewardship Practices (SASPI) in India
<p>*Abstract was selected amongst top 10 papers in the conference. **Was awarded with Best Oral paper award in Senior resident/Faculty category. ***Was awarded with Best oral paper award in Post graduate category. ****Was awarded as best oral presentation in Hospital Infection Control Section.</p>					

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	State-level VRDL	Dr. Anudita Bhargava	DHR-ICMR	Nine years	2018-2026	5,83,16,949/-
2.	An activity on Neonatal Septicemia among neonates admitted in various SNCUs of Chhattisgarh.	Dr. Anudita Bhargava	NHM, CG	Five years	2021-2026	91,52,300/- With Annual budget of 40,00,000/-
3.	A clinico-microbiological study of various sexually transmitted diseases among MSM population visiting a tertiary health-care center: First study from Central India	Dr. Anudita Bhargava	NACO Via CG SACS	Five months	March 2024-July 2024	2,63,500/-
4.	Sero-epidemiology, maternal immune status and missed diagnosis of pertussis among young infants in India - a multicentric study	Dr. Anudita Bhargava	DBT Wellcome India Alliance and NIV, Pune	Two years	2023-2025	15,76,960/-
5.	V-AMR Study: Surveillance of multidrug-resistant, extensively drug-resistant and pandrug-resistant organisms for the healthcare facilities using automated antimicrobial susceptibility system-A large scale national multicentric study	Dr. Padma Das	Non-funded	2023	Continuing	—
6.	Regional centre for laboratory confirmation of Pertusis and Diphtheria case	Dr. Padma Das	WHO	2021	Continuing	—
7.	Development of an aptamer Nano Zyme based colorimetric assay for pediatric scrub typhus	Dr. Padma Das	DBT	2022		26 lakhs

8.	Screening for Multidrug Resistant Organism colonization and associated risk factors among the critically ill patients attending Emergency Department: A targeted surveillance strategy for infection prevention"	Dr. Ujjwala Gaikwad	AIIMS, Raipur	1 year	2023-2024	4,73,923.60/-
9.	Pan India Epidemiological, virological and genomic surveillance for human Influenza and COVID-19 through DHR-ICMR VRDL Network	Dr. Sanjay Singh Negi	DHR ICMR	Every Year	2021-continued	5 Lakh
10.	Development of CRISPR-dCas9 based lateral flow POCT to identify 14 HR-HPV in cervical cancer	Dr. Sanjay Singh Negi	DHR-ICMR	2023-still continued	2023-still continued	1.2 Cr

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Capacity Building and Strengthening of Hospital Infection Control to detect and prevention of antimicrobial resistance in India	Dr. Padma Das	CDC-	4 years	Sept. 2021-March 2023	Approximately 10 Lakhs
2.	Quality improvement project to reduce blood culture contamination rate	Dr. Padma Das	Non-funded	6 months	2020-2021	—

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	A clinico-microbiological study of various sexually transmitted diseases among MSM population visiting a tertiary health-care center: First study from Central India. (Ongoing PG students' thesis)
2.	Acquisition of HBV & HCV infections among CKD patients undergoing hemodialysis and evaluation of the associated risk factors." (Ongoing PG students' thesis)
3.	Comparative analysis of Detection Methods of Heteroresistant Vancomycin Intermediate Staphylococcus aureus.

4.	Clinico-etiological profile of genital tract infection in sexually active female patients with special reference to Mycoplasma species.
5.	Evaluating the Clinical Potential of miRNAs as Early Predictors of Clinical Sepsis for Prompt Detection and Timely Intervention.
6.	Study of predisposing factors and fungal profile of otomycosis in patients visiting to tertiary care hospital in central India (STS Project).
7.	Spectrum of Fungal eye infections, A clinical and microbiological prospective study at tertiary centers in Raipur, Chhattisgarh.
8.	Clinico-mycological profile of Onychomycosis; A hospital based cross sectional study
9.	Clinico-Microbiological profile of Pulmonary Fungal infections in the Old or Active Pulmonary Tuberculosis patients.
10.	Prevalence of Intestinal parasitic infection and its association with sanitary practices among people living in an urban slum area of Raipur City.
11.	Prevalence and Characterization of Pyrazinamide Resistance among the Clinical Isolates of Mycobacterium Tuberculosis Complex from a Tertiary Care Hospital in Chhattisgarh.
12.	Evaluation of Direct susceptibility testing method for Moxifloxacin against Mycobacterium tuberculosis using the BACTEC MGIT 960 system.
13.	Evaluation of dried blood spot(DBS)for diagnostic feasibility in the detection of anti-HCV RNA quantitation and RNA genotyping, a MD thesis work of Dr Rijuta.
14.	Profile of intestinal parasitic infections in HIV seropositive individuals attending two tertiary healthcare centre in Central India.
15.	Clinico-demographic profile of patients presenting with Suspected Genital Mycoplasma infection at a tertiary Health Care Centre in Central India.

Completed

S. No.	Project
1.	Comparison of various serological assay sand RNAPOC (pointofcare) tests for the laboratory diagnosis of Hepatitis C Virus infection among patients on hemodialysis. (Thesis of Dr. Harmanpreet Kaur-PG student).
2.	Molecular typing of Dengue viruses circulating in Chhattisgarh region and an analysis of its clinical correlation: A clinico-microbiological study. (Thesis of Dr. Swadha-PG student).
3.	Evaluation of efficacy of Presepsin as a biomarker in Neonatal Sepsis-A pilot study.
4.	"Utility of Molecular methods in diagnosis of filamentous fungal infections with special reference to Mucormycosis, Aspergillosis&Pnemocystosis".

5.	Study of Spectrum of Candidiasis at AIIMS, Raipur.
6.	Utility of Surveillance Cultures and Infection Control Bundle Compliance Rates to Predict Catheter Colonization and CLABSI among Patients Undergoing Acute Haemodialysis through Non-Tunneled Catheter.
7.	Real Time Assessment of Effectiveness of Alcohol-based Hand Rubs in Disinfecting Non-critical Patient Care Items in Tertiary Care Hospital Settings.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Pan India Epidemiological, Virological and Genomic Surveillance for Human Influenza, RSV and COVID-19 through DHR-ICMR VRDL Network	Microbiology, Pulmonary Medicine Pediatrics and Neonatology
2.	A large scale national multicentric study in Regional centre for laboratory confirmation of Pertussis and Diphtheria cases.	Microbiology (Dr. Padma Das is PI) With WHO
3.	Clinico-etiological profile of genital tract infection in sexually active female patients with special reference to Mycoplasma species	Department of Obstetrics and Gynecology, AIIMS, Raipur
4.	A study to estimate the prevalence of fungal infection among the patients with diabetic limb infections- A prospective clinical study at AIIMS Raipur	Department of General Surgery, AIIMS, Raipur
5.	Identification of candida species isolated from patients of pemphigus vulgaris with oral candidiasis and their antifungal susceptibility pattern.	Department of Dermatology, AIIMS, Raipur
6.	Prevalence of Candidemia in Intensive Care Unit: Species Identification, Antifungal Susceptibility & Treatment Outcome, A Prospective Observational Study	Department of General Medicine, AIIMS, Raipur

7.	Clinico-mycological profile of Onychomycosis; A hospital based cross sectional study	Department of Dermatology, AIIMS, Raipur
8.	Risk assessment for airborne transmission of tuberculosis and status of implementation of airborne infection control precautions in OPD settings of AIIMS Raipur	School of Public Health, AIIMS Raipur (MPH thesis)
9.	Assessment of drinking water quality in urban slums of Raipur city, Chhattisgarh	Department of Community and Family Medicine, AIIMS, Raipur
10.	To identify spectrum of viral etiology and their epidemiological and clinical correlation in pediatric cases of pneumonia: A tertiary care hospital based preliminary study from Raipur, Chhattisgarh, a MD thesis work of Dr Sweta Jaiswal.	AIIMS, Raipur
11.	Evaluation of Hepatitis B viral load, quantitative HBsAg, HBeAg and anti HBc antibody in predicting liver fibrosis level of chronic Hepatitis B patients: A tertiary care hospital-based preliminary study from Raipur, Chhattisgarh, a MD thesis work of Dr Uma.	AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India	AIIMS, New Delhi, All ICUs of AIIMS, Raipur
2.	Quality improvement project to reduce blood culture contamination rate	Critical Care unit, AIIMS, Raipur
3.	"Follow-Up and Outcome of Covid Associated Mucormycosis Patients at a Tertiary Care Center in Central India"	Department of ENT, Head & Neck Surgery, AIIMS, Raipur
4.	Pan India Epidemiological, virological and genomic surveillance for human Influenza and COVID-19 through DHR-ICMR VRDL Network.	DHR-ICMR
5.	Monitoring of Dengue and Chikungunya viruses circulating in India for changes in the serotypes, genotypes and lineage utilizing VRDL Network.	DHR-ICMR

PUBLICATIONS

- SV Sudeepthi, A Kannan, Atul Jindal and **Anudita Bhargava**. Corona virus-19 and it's epidemiology in children-An ambiceptive observation study from Central India. *Indian J of Pediatrics*. <https://doi.org/10.1007/s12098-023-04552-6>.
- Chandran M, Mehta R, Nagarkar NM, **Bhargava A**, Mohapatra E, Kumar Pati S. Rhinosporidiosis- Epidemiological, Clinicoradiological and Immunological Profile. *Iran J Otorhinolaryngol*. 2023;35(5):255-262. Doi: 10.22038/IJORL.2023.68378.3331
- Sajal De, Dibakar Sahu, Diksha Mahilang, **Anudita Bhargava**. Comparison of serum Anti-spike (S) IgG Covid-19 antibody between breakthrough infection and recent COVID-19 infections in unvaccinated. *European Respiratory Journal* 2023 62: PA4587; DOI: 10.1183/13993003.congress-2023.PA4587
- Patil G, Agarwala P, Das P, et al. (March 30, 2024) Rise in the Pathogenic Status of Coagulase-Negative Staphylococci Causing Bloodstream Infection. *Cureus* 16(3): e57250. DOI 10.7759/cureus.57250
(PDF) Rise in the Pathogenic Status of Coagulase-Negative Staphylococci Causing Bloodstream Infection.
- Rashi Dixit, Naveen Kumar Kodali, Manisha Biswal, John Antony Jude Prakash, Natarajan Gopalan, Padma Das & Sujit Kumar Behera (08 Feb 2024): PolymeraseSpiral Reaction (PSR) as a point-of-care diagnostic assay: A systematic review. *Expert Review of Molecular Diagnostics*, DOI: 10.1080/14737159.2024.2315286
(PDF) Polymerase Spiral Reaction (PSR) as a point-of-care diagnostic assay: A systematic review.
- Satija A, Anand T, Mukherjee A, Velamuri PS, Singh KJ, Das M, Josten K, **Keche AY**, Nagarkar NM, Gupta P, Himanshu D, Mistry SN, Patel JD, Rao P, Rohatgi S, Ghosh S, Hazra A, Kindo AJ, Annamalai R, Rudramurthy SM, Singh MP, Shameem M, Fatima N, Khambholja JR, Parikh S, Madkaikar M, Pradhan VD, Bhargava A, Mehata R, Arora RD, Tigga R, Banerjee G, Sonkar V, Malhotra HS, Kumar N, Patil R, Raut CG, Bhattacharyya K, Arthur P, Somu L, Srikanth P, Shah PB, Panda NK, Sharma D, Hasan W, Ahmed A, Bathla M, Solanki S, Doshi H, Kanani Y, Patel N, Shah Z, Tembhurne AK, Rajguru C, Sankhe LR, Chavan SS, Yadav RM, Panda S. Satellite Epidemic of Covid-19 Associated Mucormycosis in India: A Multi-Site Observational Study. *Mycopathologia*. 2023 Jul 25. doi: 10.1007/s11046-023-00770-w. Epub ahead of print. PMID: 37490256.
- Khan Lubna, **Keche Archana Y**, Kumar, Aseem. Monotherapy with topical Natamycin to treat Scedosporiumkeratomycosis: A rare case from Central India. *Oman Journal of Ophthalmology* 16(2):p 355-358, May-Aug 2023. | DOI: 10.4103/ojo.ojo_130_22
- Gupta RK, Agrawal M, **Wankhade A**, Ganguly S. Morphological diagnosis of blastomycosis clinically representing as mycetoma in young immunocompetent-indian patients; A diagnostic dielemma. *Indian J Dermatol* 2023
- Akshay K; **Archana Keche**; Ranganath T Ganga; Padma Das. Clinicomycological Study of Spectrum of Pulmonary Aspergillosis at a Tertiary Care Hospital in Central India in *Journal Cureus*
- Keche A**, Patil G, Ganga RT, Sahu D. Galactomannan Antigen Assay for Diagnosis of Invasive Aspergillosis: A Study from a

- Tertiary Care Hospital of Central India. *J Pure Appl Microbiol*
11. Archana Keche, Girish Patil, Vijaya Sahu, Neeta Mishra. Clinico-Epidemiological Features and Mycological Profile of Keratitis from A Tertiary Care Teaching Hospital In Central India abstracts from 11th Trends in Medical Mycology. *Mycopathologia* 188 (Suppl 1), 1-301 (2023). <https://doi.org/10.1007/s11046-023-00805-2>
 12. Negi, S.S., Singh, P., Sharma, K. (2023). Molecular Diagnosis of Tuberculosis. In: Singh, A., Sharma, D. (eds) *Diagnosis of Mycobacterium*. Springer, Singapore. https://doi.org/10.1007/978-981-99-5624-1_6
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PATIENT CARE

Total Test Performed in Microbiology lab-April, 2023 to March, 2024 - 187000

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr. Sanjay Singh Negi obtained a patent: 202021026013 (Developed RT-PCR for SARS-CoV-2)
- First Genomic Lab in Chhattisgarh was established as a part of INSACOG for SARS-CoV-2 and ICMR for Influenza, SARS-CoV-2.
- Research paper presented by Dr. Ujjwala Gaikwad at 78th National Conference on Tuberculosis and Chest Diseases (NATCON), 2023 at Thrissur, Kerala was selected amongst top 10 abstracts.
- Dr. Abhijit K Prasad won first prize in poster presentation at the 46th Annual Conference of Indian Association of Medical Microbiologists (MICROCON 2023), held at KGMU, Lucknow from 23-26th November 2023.
- Dr. Kumar Vikram, Assistant Professor, won first Prize in Quiz in CIACON - 2023
- Research paper presented by Dr. Atish Mohapatra, Senior resident received first prize as best oral presentation in VAMCON-2023 at Datta Meghe Institute of Medical Sciences.
- Research paper presented by Dr. Atish Mohapatra, Senior Resident was awarded with Best oral presentation in "Hospital Infection Control" section during 46th Annual National Conference of Medical Microbiologists, MICROCON 2023 at KGMU, Lucknow.
- Research paper presented by Dr. Atish Mohapatra, Senior Resident was awarded with Best oral presentation in Senior Resident/Faculty category during 4th State Chapter conference of Medical Microbiologists, CGMICROCON 2023 at CIMS Bilaspur.
- Thesis of one PG JR received ECCMID summer school attendance grant- 2024.
- JR-Dr. Swadha, received first prize in poster presentation at CIDSCON 2023, held at Chennai.
- Both MBBS students and MD students (Dr. Harmanpreet, Dr. Shalini, Dr. Rujuta Kasle, Dr. Smrithi and Dr. Karthika) won first prizes and other accolades in the Annual Conference of the state chapter of Indian Association of Medical Microbiologists, in September 2023, in several events like UG Quiz, PG Quiz, Oral presentations and Poster presentations. Second prize and special prizes were also won by Junior Residents of Department of Microbiology.

DEPARTMENT OF NEONATOLOGY

Associate Professor and In-charge

Dr. Phalguni Padhi

Assistant Professor

Dr. Rohit Anand

HIGHLIGHTS

Our neonatal unit is capable of managing extreme premature baby with provision of highest level of neonatal care with compassion. CPAP workshop was conducted for medical officers and nursing officers of SNCU. Department of Neonatology has started DM in Neonatology course on August 2023 and first two DM residents have joined. We also started Genetic Counselling clinic in collaboration with Department of Obstetrics and Gynaecology.

EDUCATION

1. Teaching and training program of DM in neonatology that includes one journal topic and case presentation per week with one mortality/perinatal meet per month.
2. Training of trainers for CPAP and ventilator.
3. Mentoring visit and training of medical officers/nurses at SNCU.
4. Teaching and training program of Medical officers posted for 6 week pediatric training.
5. Training of interns posted in NICU for basic neonatal care.
6. Training and presentation by nursing officers is also performed.
7. Interdepartmental teaching of DM residents is also regularly done.
8. Resource person for HICC/NRP/CPAP/KMC workshop.
9. Resource person for Internship/JR/SR induction program.
10. Faculty for MEU neonatal resuscitation training.
11. Dr. Rohit Anand is member and advisor for short course of neonatology (NNF SHINE) being conducted by NNF for postgraduate students.

He is also the coordinator and CO-PI for MP sncu Quality Improvement project.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	CPAP workshop	workshop	27.03.2024 and 29.03.2024	UNICEF, Raipur
2.	Ventilation workshop	workshop	28.03.2024 and 30.03.2024	UNICEF
3.	NRP Hands on training for NO at OT/LR/PNW	workshop	05.10.2023 and 06.05.2023	Department of Neonatology

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1	Dr Rohit Anand	Poster presentation on congenital RyRi syndrome	National Conference	25.08.2024 to 27.08.2024	NNE, Luknow
2	Dr Rohit Anand	Poster presentation on Perraut syndrome : The way forward after genetic counselling	National Conference	25.08.2024 to 27.08.2024	NNE, Luknow

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year
1.	COVID 19 Vaccination In Pregnancy: The COVIP Study	Dr Sarita Rajbhar	ICMR	2 year	2022-2024

2.	Madhya Pradesh special newborn programme care unit (SNCU) mentoring - a quality improvement initiative.	Dr. Atul Jindal	MP NHM, SHSRL MP	2 years	2023-2025
3.	Improving Sepsis Diagnosis in Newborns with Minimal Blood Sampling using Innovative Laboratory Test: A focus on Early Detection	Dr Varun Anand	ICMR	2 years	2023-2025
4.	Establishment of DBT-NIDAN Kendra at All India Institute of Medical Sciences, Raipur, Chhattisgarh	Dr. Anil Kumar Goel	DBT, Ministry of Science, GoI	3 years	2021-2024
5.	SCOPE - Standardization of Covid in Pregnancy Standardizing of data collection and protocol for improving the Quality of evidence on clinical characteristics and outcomes of COVID-19 and Pregnancy.	Dr. Sarita Agrawal	WHO, New Delhi	6 months	2020-ongoing
6.	Improving maternal and newborn health care delivery using Quality Improvement Intervention Package.	Dr. Atul Jindal	UNICEF, Chhattisgarh	02 years	2019-ongoing

Completed

S. No.	Project	Principal Investigator	Funding Agency
1.	AIIMS Raipur : Initiating Antimicrobial Stewardship activities in hospitals in India	Dr. Padma Das	ICMR
2.	Prolonged Mechanical Ventilation in Paediatric Intensive Care: An International Cross-Sectional Prevalence Study.	Dr. Atul Jindal	Women and Children Health Research Institute, Montreal, Canada
3.	Analyzing platelet and FFP transfusion in infants and best recommendations		Department of Transfusion Medicine, AIIMS, Raipur

Departmental Projects - Non-Funded Projects/ ICMR-STS Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Efficacy and safety of early fortification of human milk as compared to standard fortification in very low birth weight babies - an open labelled parallel arm randomized controlled trial.
2.	Whole Blood PCR for early detection and primary differentiation of common neonatal sepsis pathogen.
3.	Observational study on Poor Postnatal weight gain is an independent risk factor to predict the severity of retinopathy of prematurity in preterm infants.
4.	Evaluation of efficacy of Presepsin as a biomarker in Neonatal Sepsis-A pilot study.
5.	Effect of Zinc Oral Supplementation in Hyperbilirubinemia (ZOSH) on Serum Bilirubin Levels in Neonates Requiring Phototherapy at a Tertiary Care Hospital in Central India: A Double-blind Randomized Controlled Trial (ZOSH Trial).
6.	Prediction of neonatal mortality and morbidity using a novel scoring system in newborns admitted in Level III NICU. A Prospective observational study".
7.	Association of amniotic fluid volume with adverse perinatal outcome in fetuses with growth restriction: A prospective observational cohort study.
8.	Safety assessment for early caffeine weaning: Safe-cafe pilot randomised controlled trial.

Completed

S. No.	Project
1.	Factors affecting initiation of breastfeeding in first twenty four hours after birth at AIIMS, Raipur-STS project
2.	Stage based integrated management using barcelona protocol versus conventional management of fetal growth restriction and perinatal outcome: A randomized controlled trial

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1	Study of Emerging Biomarkers in Acute Kidney Injury in Term Neonates with Perinatal asphyxia - A Nested Case Control Study - Dr. AK Goel	AIIMS, Raipur

2.	Analyzing platelet and FFP transfusion in infants and best recommendations - Dr Sankalp Sharma	AIIMS, Raipur
3.	Optimal Neonatal, Ophthalmological care, and severity of Retinopathy of prematurity: A retrospective analysis - Dr. Vijaya Sahu	AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Initiating Antimicrobial Stewardship activities in hospitals in India - Dr Padma Das	AIIMS, Raipur

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- **Dr. Phalguni Padhi:** Chaired a session at Northzone neocon 2023 on hypoxemic respiratory failure. Judged poster presentation in North zone Neocon 2023.
- **Dr. Rohit Anand** is a member and resource person for NNF neonatal quiz committee.



Department of Neonatology



State of the Art facilities at Neonatology

DEPARTMENT OF NEUROLOGY

Assistant Professor & In-charge

Dr. Saravana Sukriya S

HIGHLIGHTS

The Department has initiated electrophysiology services comprising of - nerve conduction study, electromyogram, electroencephalogram, visual evoked potential, brainstem auditory evoked response catering outdoor and in-patients including adult and pediatric population. Inpatient services have commenced under the department of neurology. The department continues to provide comprehensive clinical care addressing diverse neurological diseases inclusive of - epilepsy, peripheral neuropathy, stroke and

related diseases, demyelinating and related diseases, and headache.

EDUCATION

An in-depth basic training in neurology is provided to the post graduate trainees from different departments - General Medicine, Ophthalmology, Psychiatry and Pediatrics who are posted in the department of Neurology on a rotational basis. The faculty member of the department is actively involved in bed side clinical case discussions, undergraduate and post graduate lectures.

LECTURES DELIVERED AT CMEs/ NATIONAL AND INTERNATIONAL CONFERENCES

Dr. Saravana Sukriya S

S. No.	Title	CME/Conference	Date	Organized By
1.	Leprosy and neuropathy	Biennial Conference of The Indian Society of Peripheral Nerve Surgery (ISPNSCON 2024)	12.01.2024-14.01.2024	Indian Society of Peripheral Nerve Surgery
2.	Vertigo: Red Flag signs. A neurologist's perspective	Annual State Conference of Association of Otolaryngologists of India, cum Temporal Bone workshop	01.03.2024-02.03.2024	AIIMS, Raipur (Department of ENT and Anatomy) and Association of Otolaryngologists India

ORAL PAPERS/POSTERS AT CMEs/ NATIONAL AND INTERNATIONAL CONFERENCES

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Saravana Sukriya S	Cerebrotendinousxanthomatosis - a report of two cases	Annual Conference of Indian Academy of Neurology (IANCON 2023)	14.09.2023-17.09.2023	Indian Academy of Neurology

PUBLICATIONS

- Sahoo RR, Sukriya S, Sudhish G, Panda AK, Mohapatra D, Patro PS. Teaching NeuroImage: Subcutaneous Swellings and Cognitive Impairment in a Young Male Patient. *Neurology*. 2023;101:e780-e781.

RESEARCH

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Neurological Manifestations in Systemic Lupus Erythematosus	Department of General Medicine, AIIMS, Raipur
2.	Clinico-epidemiological profile and in-hospital outcome of Cerebral venous sinus thrombosis at AIIMS Raipur - An Ambispective Observational Study	Department of General Medicine, AIIMS, Raipur
3.	Clinical presentations and outcome of Guillain Barre syndrome in tertiary care centre - An Ambispective observational study	Department of General Medicine, AIIMS, Raipur
4.	Effectiveness and Safety of Prophylactic use of Anti-epileptic Drugs for the Primary and Secondary Prevention in Acute Encephalitis Syndrome in tertiary care hospital centre - A Prospective Observational Study	Department of Pharmacology, AIIMS, Raipur

5.	Effect of oral alpha lipoic acid supplementation on nerve function impairment assessed using nerve conduction studies and ultrasound techniques among newly diagnosed leprosy patients: A Pilot randomized clinical trial.	Department of Physiology, AIIMS, Raipur
6.	Study of Prevalence and Pattern of Peripheral neuropathy in CKD-U patients: A Pilot study	Department of Nephrology, AIIMS, Raipur
7.	Efficacy of Intermittent Theta burst repetitive Transcranial magnetic stimulation as an Adjuvant Treatment in patient with migraine: a double-blind Sham-controlled trial	Department of Psychiatry, AIIMS, Raipur

PATIENT CARE DATA

OPD	13925
IPD	153
Nerve Conduction Study	965
Electromyogram	148
Electroencephalogram	513
Visual Evoked Potential	75
Brainstem Auditory Evoked Response	14

AWARDS & HONOURS

Dr. Saravana Sukriya S was a panelist in case based panel discussion on Annual State Conference of Association of Otolaryngologists India, cum Temporal Bone workshop conducted

from 01.03.2024 - 02.03.2024 organized by AIIMS, Raipur (Department of ENT and Anatomy) and Association of Otolaryngologists India.

DEPARTMENT OF NEUROSURGERY

Associate Professor & In-charge

Dr. Anil Kumar Sharma

Associate Professors

Dr. Charandeep Singh Gandhoke

Dr. Shailendra D. Anjankar

Dr. Binoy Kumar Singh

Assistant Professor

Dr. Ashish Sharma

HIGHLIGHTS

The Department of Neurosurgery is able to cater to almost all neurosurgical diseases affecting the cranium, spine and peripheral nervous system. Department organized 3 national conferences and workshops. **Deep brain stimulation surgeries (DBS)** started for movement disorders and department is pioneer in starting these services **first time in central India**. The Department of Neurosurgery continued to scale new heights in patient care, research and training. The Neurosurgery department treat a full range of neurosurgical disorders in the areas of:

- Cerebrovascular - aneurysms and arteriovenous malformations (AVMs), Cavernomas and stroke
- Skull base surgeries
- Pituitary tumours and complex endoscopic Skull base surgery
- Neuro-oncology
- DBS surgeries for Parkinson disease

- Stereotactic Biopsy and navigation guided surgeries
- Awake brain surgeries
- Spinal tumours and degenerative diseases
- Functional surgeries like Drezotomy and microvascular decompressions, hemifacial spasm
- General neurosurgery
- Trigeminal neuralgia and nerve compression syndromes
- Peripheral Nerve Surgeries
- Minimally invasive surgery for brain and spinal disorders
- Complex Craniovertebral Junction surgeries
- Cranial and spinal trauma surgeries

EDUCATION

Department faculty involved in the teaching of postgraduates students of other departments as co-supervisor of their thesis.

All faculties are actively involved in clinical teaching to MCh neurosurgery trainees and post graduate students posted to neurosurgery department.

Department trained nearly 200 participants from all across the country in various workshops and cadaveric hands on courses

Academic Development

Department organized national conferences and workshops including

- Cadaveric workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base, Skull Base Society of India (SBSSI), 12-13 August, 2023 along with department of anatomy and ENT
- Annual Conference of Neurological Surgeons Society of India, NSSICON, 23rd-25th Feb 2024 AIIMS Raipur
- Annual Conference of Indian Society of Peripheral Nerve Surgery, 12-14th January, 2024, AIIMS Raipur

LECTURES DELIVERED/Invited Talks AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anil Kumar Sharma

S. No.	Title	CME/Conference	Date	Organized By
1.	Posterior C1-C2 fixation: Basics and Beyond	NEUROTRAUMA 31 st Annual Conference of Neurotrauma Society of India, Jaipur	04-06.08.2023	Neurotrauma Society of India (NTSI)
2.	Tailored Far Lateral approach to Foramen Magnum Lesions	International Meningioma Society Congress, Jaipur	01-03.09.2023	International Meningioma Society World Federation of Neurosurgical Society
3.	Minimally Invasive surgery for ACF base meningiomas: Patient selection and approach	International Meningioma Society Congress, Jaipur	01-03.09.2023	International Meningioma Society World Federation of Neurosurgical Society
4.	Microsurgical Clipping of Giant Aneurysm	NEUROVASCON 2023 23 rd Annual National Conference of Cerebro-Vascular Society of India	21-23.09.2023	GIPMER, New Delhi
5.	Surgical excision of Giant and large solid Hemangioblastoma without preoperative embolization	NEUROVASCON 2023 23 rd Annual National Conference of Cerebro-Vascular Society of India	21-23.09.2023	GIPMER, New Delhi

6.	Extended Endonasal Endoscopic Approach for Anterior Midline Skull Base Lesions	10 th IFNE World Congress of Neuroendoscopy, Singapore	19-22.11.2023	International Society of Neuroendoscopy
7.	Skullbase Endoscopic Surgery: My Experience with Expanding Horizons	International Menoufia Neurosurgical Congress (MNF NEUROCON 2023) Egypt	19-20.10.2023	Egyptian Society of Neurosurgical Surgeons
8.	Demystifying Craniovertebral Junction Surgeries	International Menoufia Neurosurgical Congress (MNF NEUROCON 2023) Egypt	19-20.10.2023	Egyptian Society of Neurosurgical Surgeons
9.	SOKHA VS EEA approach for ACF base meningiomas: How to select approach?	AMU Neurosurgery Update	22.10.2023	AMU, Aligarh
10.	Doing more with less, ACF base Meningiomas	SKULLBASECON 2023 24 th Annual Conference of the Skull Base Surgery Society of India	27-29.10.2023	SGPGIMS, Lucknow
11.	Intradural Posterior Clinoidectomy Indication and Surgical Technique	SKULLBASECON 2023 24 th Annual Conference of the Skull Base Surgery Society of India	27-29.10.2023	SGPGIMS, Lucknow
12.	Craniovertebral Junction Fixation : Basics and Beyond	CME On World Spine Day	15.10.2023	AIIMS, Raipur
13.	Endoscopic anatomy and endonasal approaches to the sellar lesions	Cadaveric Workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base (Skull Base Society of India)	12-13.08.2023	AIIMS, Raipur
14.	Anterior and posterior clinoidectomy	Cadaveric Workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base (Skull Base Society of India)	12-13.08.2023	AIIMS, Raipur
15.	Microsurgical Strategy For Clinoidal Meningioma	3 rd World Skull Base Congress (Online)	14-15.10.2023	EWNC ACADEMY, WFNS

16.	MISS in IDEM Challenges Faced in Establishing Neurosurgery Department at Tertiary Care Centre	NSICON 2023 National Annual Conference of Neurology Society of India	13- 17.12.2023	GMC, Cuttack Neurology Society of India
17.	Minimally Invasive Surgery For Anterior Skull Base Meningioma	8 th EWNC ACADEMY annual congress (Online)	09.03.2024	EWNC ACADEMY
18.	Minimally invasive Surgery for ACF base Meningiomas	NSSICON 2024 12 th Annual Conference of Neurological Surgeons Society of India	23- 25.02.2024	AIIMS, Raipur
19.	Endoscopy in Anterior Cranial Fossa Tumor Excision	NESICON 2024 10 th Anniversary Conference of Neuroendoscopy Society India	29- 30.03.2024	Neuroendoscopy Society India Mumbai
20.	Surgery for foramen magnum lesions	21 st MP-CG Neurocon 2023	25- 27.08.2023	Chhattisgarh Association of Neuroscientist (CAN)

Dr. Charandeep Singh Gandhoke

S. No.	Title	CME/Conference	Date	Organized By
1.	Multidisciplinary management of rhinocerebral mucormycosis-an institutional experience	21 st MP-CG Neurocon 2023	25- 27.08.2023	Chhattisgarh Association of Neuroscientist (CAN)
2.	Aneurysmal SAH 2023 guidelines: what's new?	NEUROVASCON 2023 23 rd Annual National Conference of Cerebro- Vascular Society of India	21- 23.09.2023	GIPMER, New Delhi
3.	Clipping of MCA bifurcation aneurysms	NSICON 2023 National Annual Conference of Neurology Society of India	13- 17.12.2023	GMC, Cuttack

ORAL PAPERS PRESENTED**Dr. Shailendra D Anjankar**

S. No.	Title	CME/Conference	Date	Organized By
1.	Dorsal Region Meningioma: Our initial experience of Prognostic factors	International Meningioma Society Congress	01-03.09.2023	International Meningioma Society World Federation of Neurosurgical Society
2.	Management of Dermal nus: Our experience and review of literature	34 th Annual Conference of the Indian Society of Paediatric Neurosurgery	29.02-02.03.2024	Indian Society of Neurosurgical

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Ashish Sharma**

S. No.	Title	CME/Conference	Date	Organized By
1.	Evaluation and Management of Thoracic spine fractures	21 st CGMP Neurocon 2023	25-27.08.2023	Ram Krishna Care Hospital, Raipur
2.	Evaluation and Management of Thoracolumbar Junctional fractures	NSSICON 2024	23-25.02.2024	AIIMS, Raipur

Dr. Binoykumar Singh

S. No.	Title	CME/Conference	Date	Organized By
1	Tips to handle stress in neurosurgery for residents	2 nd ANNUAL MEETING OF Young forum of neurological society of India	14-15.06.2023	Neurological society of India
2.	Surgical nuances of endoscopic third ventriculostomy	21 st CGMP Neurocon 2023	25-27.08.2023	Chattisgarh Association of Neurologists
3.	Complications avoidance in mini open retropleural trans thoracic corpectomy	Annual Conference of Neurospinal surgeon's association conference NSSA 2023	15-17.09.2023	AIIMS, New Delhi

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Ashish Sharma, Dr. Anil Kumar Sharma	Craniosynostosis	INDSPNCON 2024, Shillong	29.02.2024 02.03.2024	Shillong Neuro club
2.	Dr. Ashish Sharma, Dr. Anil Kumar Sharma	Post-traumatic Grade IV thoracic spine fracture: surgical Nuances and its outcome	NSSA Spine 2023, New Delhi	15- 17.09.2023	Neuro-Spinal Surgeons Association of India (Delhi Chapter)
3.	Dr. Binoykumar Singh	Decision making and surgical challenges for management of pineal region tumours(oral)	12 th Annual conference of Neurological Surgeons society of India	23- 25.02.2023, Raipur	Neurological Surgeon's Society of India
4.	Dr. Pavan Lanjewar, Dr Ashish Sharma, Dr Anil Kumar Sharma	Cervical Aneurysmal Bone cyst: Rare occurrence	NSSICON 2024	23- 25.02.2024	Neurological Surgeon's Society of India
5.	Dr. Pavan Lanjewar, Dr Anil Kumar Sharma	Giant Cavernous Sinus Hemangioma	21 st CGMP Neurocon 2023	25- 27.08.2023	Chhattisgarh Association of Neuroscientist (CAN)
6.	Dr. Binoykr Singh	Accuracy, Safety and efficacy of frame based stereotactic (oral)	71 st annual conference of neurological society of India NSICON 2023	15- 17.12.2023, Bhubanesh- war	Neurological Society of India
7.	Dr. Abbas Moaiyadi, Dr. Anil Kumar Sharma	Enigma in management of plexiform neurofibromas of the bilateral brachial and lumbosacral plexuses: Shall we let nature take its course?	ISPNSCON	12- 14.01.2024	AIIMS, Raipur

8.	Dr. Abbas Moaiyadi, Dr. Anil Kumar Sharma	Craniovertebral Junction Tuberculosis with Atlantoaxial Dislocation	CME On World Spine Day	15.10.2023	AIIMS, Raipur
9.	Dr. Abbas Moaiyadi, Dr. Anil Kumar Sharma	Anticoagulant associated Fetal Subdural Hematoma: A rare Case Report	NSSICON 2024	23- 25.02.2024	Neurological Surgeon's society of India
10.	Dr. Mayank Tripathi, Dr. Anil Kumar Sharma	Iatrogenic Peripheral Nerve Injuries	ISPNSCON	12- 14.01.2024	AIIMS, Raipur
11.	Dr. Mayank Tripathi, Dr. Anil Kumar Sharma	Surgical Spectrum of Orbital Lesions in Central India	21st CGMP Neurocon 2023	25- 27.08.2023	Chhattisgarh Association of Neuroscientist (CAN)
12.	Dr. Binoykr Singh, Dr.T Ghosh, Dr.Aishik Mukherjee	Functional Outcome following management of Congenital Cranio vertebral junctional anomalies: An observational study (E poster)	18 World Congress of Neurosurgery	04- 08.12.2023 Capetown South Africa	World federation of Neurological Surgeons
13.	Dr. Abbas Moaiyadi, Dr. Anil Kumar Sharma	Surgical outcomes of anterior circulation aneurysm at tertiary care centre of central India with Institutional excellence	NEUROVASCON 2023 23rd Annual National Conference of Cerebro-Vascular Society of India	21- 23.09.2023	GIPMER, New Delhi

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Surgical outcomes of anterior circulation aneurysm at tertiary care centre of central India with institutional excellence.
2.	"Comparison of efficacy of intranasal, nebulized, and intravenous routes of dexmedetomidine for blunting hemodynamic response to laryngoscopy and tracheal intubation in elective intracranial surgeries: A prospective, randomized, double-blind clinical study".

Completed

S. No.	Project
1.	Effect of Neurocognitive Function in pre-operative and post operative cases of Brain Tumor.
2.	Clinical Spectrum and Quality of Life in Vestibular Schwannoma patients.

Collaborative Projects**Ongoing**

Sr. No.	Project	Collaborating Department/ Institution
1.	Dural venous sinus stenting for treatment of spontaneous CSF leak secondary to Idiopathic Intracranial Hypertension	Department of Radiology

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Effect of sellar and parasellar brain tumours on retinal thickness and visual field	Ophthalmology

PUBLICATIONS

- Chakravarty S, Nagarkar NM, Mehta R, Arora R, Ghosh A, **Sharma AK**, Satpute S, Aggarwal A. Skull Base Involvement in Covid Associated Rhino-Orbital-Cerebral Mucormycosis: A Comprehensive Analysis. Indian Journal of Otolaryngology and Head and Neck Surgery: Official Publication of the Association of Otolaryngologists of India. 2023 Apr 8:1-3.
- Sharma AK**, Nagarkar NM, Gandhoke CS, Sharma S, Juneja M, Kithan ZM, Aggarwal A, Arora RD, Mehta R, Syal S, Anjankar SD. Rhinocerebralmucormycosis (RCM): To study the clinical spectrum and outcome of 61 cases of RCM managed at a tertiary care center in India. Surgical Neurology International. 2023;14.
- Rao KN, Arora RD, **Sharma A**, Mehta R, Satpute S, Dange P, Nagarkar NM. Endoscopic Sellar Defect Reconstruction with Avascular Modified Gasket Seal Technique for Sellar Tumors. Indian J Surg Oncol. 2024 Mar;15(1):71-77. doi: 10.1007/s13193-023-01826-5. Epub 2023 Oct 4. PubMed PMID: 38511043; PubMed Central PMCID: PMC10948722.
- Nayak P, Singha SK, Khetrpal M, **Sharma A**. A Randomised Controlled Study Comparing Pulse Pressure Variation (PPV) and Pleth Variability Index (PVI) for Goal-Directed Fluid Therapy Intraoperatively in Patients Undergoing Intracranial (Supratentorial ICSOLs) Surgeries. Rom J Anaesth Intensive

- Care. 2023 Apr;30(1):18-25. doi: 10.2478/rjaic-2023-0003. eCollection 2023 Apr. PubMed PMID: 37547491; PubMed Central PMCID: PMC10403147.
5. Mehan A, Ruchika F, Chaturvedi J, Gupta M, Venkataram T, Goyal N, **Sharma AK**. Giant Tarlov Cyst presenting as pelvic mass: Often doing less is better. *Surg Neurol Int.* 2023 Mar 24;14:95. doi: 10.25259/SNI_79_2023. PMID: 37025521; PMCID: PMC10070324.
 6. Anjankar SD. Can Fortification of Food Decrease Prevalence of Diastematomyelia with Hemimyelomeningocele in Some Geographical Regions? *Neurol India.* 2023;71:1290-1291.
 7. Anjankar S, Singh C, Singh BK, Moaiyadi A, Tripathi M, et al. Rapidly Progressive Severe Proptosis in Esthesioneuroblastoma-A Case Report. *SSR Inst Int J Life Sci.*, 2024; 10: 3537-3541.
 8. Anjankar S, Singh BK, Singh C. Misplaced Chest Drain: A Narrow Escape. *JMSCR.* 2023;1-3
 9. Ghosh, T., Mukherjee, A., & Singh, B. K. (2023). Aneurysmal bone cyst of dorsal spine presenting with paraparesis in a pediatric patient: a case report. *Ukrainian Neurosurgical Journal*, 29(2), 60-64. <https://doi.org/10.25305/unj.277302>
 10. Ghosh T, K Singh B, Mukherjee A. Recurrence and Functional Outcome following Resection of Craniopharyngioma. *Iran J Neurosurg-2023*;9: 23
 11. Ghosh, T., Singh, B. K., Mukherjee, A., & Dey, B. (2023). A rare case of primary orbital Ewings sarcoma with intracranial extension. *Romanian Neurosurgery*, 37(3), 301-304.
 12. Kumar S, Singh BK, Dey B, et al. (January 14, 2024) Impact of COVID-19 on Cancer Patients: An Experience From a Tertiary Care Center in Northeast India. *Cureus* 16(1): e52247. DOI 10.7759/cureus.52247
 13. Moaiyadi AH, Tripathi M, Lanjewar PT, Singh BK, Anjankar S, Gandhoke CS. Remote supratentorial intraparenchymal bleed after posterior fossa surgery: A rare occurrence. *Surg Neurol Int.* 2024 Mar 15;15:83. doi: 10.25259/SNI_748_2023. PMID: 38628529; PMCID: PMC11021087.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Anil Kumar Peethambaran, Vinu V Gopal, Adesh Shrivastava, Anil Kumar Sharma , Rakesh Mishra	Evidence-Based Management of Chronic Subdural Hematoma		Current Practice in Neurosciences	Volume 5	New Delhi	NSI	Volume 5, Issue 2 March 2023	

2.	Ashutoshkumar, Ashish Sharma, Sanjay Behari	Asymptomatic Craniofacial Fibrous Dysplasia	Mehmet Turgut, Fuyou Guo, Ahmet Tuncay Turgut, Sanjay Behari	Incidental Findings of the Nervous system	1 st	Switzerland	Springer	2023	191-195
3.	Binoykr Singh, Tamajyoti Ghosh	Normal Pressure Hydrocephalus :A Diagnosis and Management Dilemma T Ghosh	Andres Costa and Eugenio Villalba	Horizons in neuroscience research	Vol 50	USA	NOVA science	2023	Chapter 7

PATIENT CARE

	OPD	IPD	Major OT	Minor OT
Total	10638	1156	845	10

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Anil Kumar Sharma

- Executive Committee Member- Cerebrovascular Society of India (CVSI) 2022-2024.
- Executive Committee Member-Neurological Surgeons Society of India 2023-2025.
- Nominated Member-Yasargil Microsurgery Academy.
- Assistant Editor- Indian Journal of Neurotrauma (IJNT), Official Journal of Neurotrauma society of India (NTSI).
- Review Editor for Neurosurgery section in Frontiers in Surgery Journal.
- Expert for inspection of MCh neurosurgery course at DKS-PGI, Raipur.
- Organizing Secretary-Cadaveric workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base, Skull Base Society of India (SBSSI), 12-13 August, 2023.
- Organizing Secretary- Annual Conference of Neurological Surgeons Society of India, NSSICON, 23rd-25th Feb 2024 AIIMS Raipur.
- Organizing Secretary- Annual Conference of Indian Society of Peripheral Nerve Surgery, 12-14th January, 2024, AIIMS Raipur.

- Course faculty for workshops including Neurology society of India, Skull base society of India and NSSI.
- Chairperson and National faculty, 10th Annual conference of Neuroendoscopy society of India, 28-30 March, Mumbai.
- Moderator, CVSI monthly webinar, TACTICS- (Techniques And Complications -Tricks of the trade In Cerebrovascular Surgery) Focussed Series of Webinars.
- Chairperson, Annual Conference of Neurological Surgeons Society of India, NSSICON, 23rd-25th Feb 2024 AIIMS Raipur.
- Chairperson and National faculty, SKULL-BASECON 2023 (Annual conference of skull base society of India), SGPGI, Lucknow, 27-29 October, 2023.
- Course faculty, Cadaveric workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base, Skull Base Society of India (SBSSI), 12-13 August, 2023.
- Moderator, International Meningioma Society (IMS) Congress, Jaipur, 01-03 Sep 2023.
- Chairperson, NEUROVASCON 2023, 23rd Annual Conference of Cerebro Vascular

Society of India (CVSI), GB Pant Hospital, Delhi, 21st-23rd September, 2023

- Chairperson and international guest faculty, 19th October, 2nd International Menoufia Neurosurgical Congress, Cairo, Egypt.
- Chairperson and national faculty, Neurotrauma, 31st Annual Conference of Neurotrauma Society of India, 4-6 August, 2023, Jaipur.

Dr. Binoykumar Singh

- Best paper y-Neurosurgical association of north east India 2023.

Dr. Abbas Moaiyadi

- Won 2nd prize in best paper presentation in MPCGCON 2023.
- Won 3rd prize in poster presentation in ISPNSCON 2024.
- WON 3rd prize in poster presentation in NSSICON 2024 Moderator, CVSI monthly webinar, TACTICS- (Techniques And Complications-Tricks of the trade In Cerebrovascular Surgery) Focussed Series of Webinars.

DEPARTMENT OF NEPHROLOGY

Assistant Professor and Faculty In-charge

Dr. Vinay Rathore

Assistant Professor

Dr. Rohit P. Badge

HIGHLIGHTS

The Department has initiated and rapidly upscaled both the Living Donor and Deceased Donor Renal Transplant Program, becoming the first institute amongst the newer AIIMS to start Deceased Donor Organ Donation and Deceased Donor Renal Transplant. Twenty-five Renal Transplants including five Deceased Donor Renal Transplants have been done to date. Four Deceased donor multiorgan donations have been done including creating a green corridor to transport the Deceased Donor Liver from Raipur to Nagpur.

The Department continues to provide support to patients suffering from CKDu from Supebeda including conducting a seven-day camp from 28th April 2023 to 5th May 2023. The camp also included research activities to determine the prevalence and risk factors of Kidney disease in this village.

The Department continues to provide state of art services including Hemodialysis, Peritoneal dialysis, CAPD, Automated Peritoneal dialysis, Plasmapheresis, Hemoperfusion, CRRT, SLED, Isolated ultrafiltration, kidney Biopsy, tunneled dialysis catheter and peritoneal dialysis catheter insertion, AV Fistula creation and daycare facilities for Immunosuppression.

THE DEPARTMENT RUNS FIVE SPECIAL CLINICS

- 1) **Glomerular Disease Clinic:** It provides comprehensive care to patients suffering from Glomerular disease including daycare facilities. More than 1503 patients are registered in GDC.
- 2) **CKDu clinic:** The clinic provides care to patients suffering from CKDu from the endemic belt of Orissa and Chhattisgarh including districts of Mahasamund, Gariyaband, Nuapada, Balangir, and Kalahandi. 349 patients are registered in the clinic.
- 3) **Pediatric Nephrology Special Clinic:** The clinic provides care to children suffering from Kidney ailments with 133 patients in follow-up.
- 4) **Peritoneal Dialysis Special Clinic:** It provides care to more than 80 patients on CAPD who receive CAPD through MVSSY and ABPMJAY Yojana PMNDP.
- 5) **Kidney Transplant Clinic:** It provides care to more than 70 patients of Kidney transplant recipients and their donors. The clinic also follows waitlisted patients for deceased donor kidney transplants. Till now 75 patients have been registered for the same with SOTTO, Chhattisgarh.

EDUCATION

1. D.M. Nephrology: Six students are pursuing D.M. Nephrology at AIIMS Raipur.
2. Regular classes and training for Dialysis Technicians and Nursing staff.
3. Interdisciplinary meetings with various departments like Urology, Pathology, Obstetrics and Critical Care Unit, Gynecology, and Pediatrics.
4. Two PhD students, Six DM students, Twelve MD students, and Two MPH students are doing their thesis in the department.
5. Four DM students Eight MD students and Two MPH students have completed their thesis from the department.
6. One of DM Residents Dr. Jyoti Agarwal has been awarded "The ESE Neph/SCE Nephrology UK diploma by RCP London and European Renal Association (ERA)"

CMEs/WORKSHOP/SYMPOSIA/NATIONAL& INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	World Kidney Day Celebrations	Kidney Health For All - Advancing Equitable Access to Care and Optimal Medication Practice	14.03.2024	Department of Nephrology, Department of Urology & College of Nursing AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Vinay Rathore

S. No.	Title	CME/Conference	Date	Organized By
1.	Peritoneal Dialysis Training and Capacity Building	National Workshop on One nation-One Dialysis	09.06.2023	MoHFW/ NHSRC
2.	Prevention of Nephrotoxic acute kidney injury	National Conference of 39 th Annual Conference of Indian Society of Nephrology, West Zone	05-07.01.2024	Indian Society of Nephrology, West Zone (ISNWZCON 2023), Rajkot, Gujrat
3.	Urinary Concentrating defect in residents of the endemic area of CKDu visiting AIIMS Raipur	National Conference of 53 rd Annual Conference of Indian Society of Nephrology	14-17.12.2023	Indian Society of Nephrology at Kolkata, West Bengal

4.	Management of Lupus Nephritis	National Conference CG Rheumatology update 23	23.07.2023	Dept. of General Medicine, AIIMS, Raipur
5.	Kidney Transplant in Chhattisgarh	State Annual Conference of Association of Physicians of India	13- 14.01.2024	State Annual Conference of Association of Physicians of India (CGAPICON)
6.	Role of non steroidal mineral-corticoid receptor antagonist in CKD	Guest lecture at Pt JNM Medical College	29.02. 2024	Pt JNM Medical College, Raipur

Dr. Rohit P. Badge

S. No.	Title	CME/Conference	Date	Organized By
1.	Denosumab and hypercalcemia	CME	17.06.2023	The Nephron Health Society, Raipur
2.	Diabetic Nephropathy: Recent Progress and Future Perspective	CME	04.06.2023	Chhattisgarh Obesity and Diabetes and Endocrine Society (CODE-23), Raipur
3.	Hyperuricemia-to treat or not	Conference	23.07.2023	CG Rheumatology update 23, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Vinay Rathore	Poster Presentation on 'Successful Treatment of a Child with steroid-resistant nephrotic syndrome associated with rare FAT 1 mutation and Oral Presentation on Clinical Profile, Histopathological Features and Outcome of IgA Nephropathy in a Tertiary Care Hospital in Central India	Zonal Conference of ISNSCCON	10-12 th February 2023	Poster presentation at ISNSCCON Coimbatore

2.	Dr. Vinay Rathore	Poster Presentation on Acute Renal failure secondary to leukemic infiltration of the kidneys in M3 Acute Myeloid Leukemia	National Conference of Women in Nephrology	5 th -6 th August 2023	WINICON, Bangalore
3.	Dr. Vinay Rathore	Poster presentation on Catastrophic Antiphospholipid Syndrome in a male patient mimicking Pulmo-Renal Syndrome and variable presentations of Anti Phospholipid Nephropathy (Apl-N) Beyond Thrombosis: A Case Series	National Conference of 53 rd Annual Conference of Indian Society of Nephrology	14 th -17 th December 2023	ISNCON at Kolkata
4.	Dr. Vinay Rathore	Poster presentation on Metastatic calcification in transplant kidney: An unthought implication of mineral bone disorder.	Zonal Conference	23 rd -25 th February 2024	NZ- ISNCON at Chandigarh
5.	Dr. Vinay Rathore	Poster presentation Clinicopathological features and outcomes of the various ANCA-associated vasculitis involving the kidney in a tertiary care hospital in central India	Conference	22 nd -23 rd July 2023	Rheumatology update Chhattisgarh, AIIMS, Raipur

RESEARCH**Funded Projects:***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Treatment of cardiovascular disease with low dose Rivaroxaban in Advanced Chronic Kidney Disease (TRACK)	Dr. Vinay Rathore	GIGH	5	2021-2025	8 Lakhs Approx (As per Competitive recruitment)
2.	Allopurinol for CVD in CKD (AvoiD-CKD): A double-blind, randomized controlled trial	Dr. Vinay Rathore	PGIMER, Chandigarh, (India Alliance, DBT, Government of India/ Welcome Trust, U.K.)	3	2021-24	2 Lakhs Approx As per Competitive recruitment
3.	A Phase 4, 52 Week, Single Arm, Multicentre, post-Marketing Surveillance to Evaluate the Safety of Desidustat for the Treatment of Anemia in Subjects with Chronic Kidney Disease (CKD).	Dr. Vinay Rathore	Zydus Life-sciences Ltd., Zydus Research Centre	2	2023-2025	Rs 25000/- per patient enrolled and follow (As per Competitive recruitment)
4.	"Impact of Yoga on Patients with Chronic Kidney Disease on Peritoneal Dialysis - A mixed-method study (YOGII-PD)".	Dr. Vinay Rathore	Intramural Project AIIMS, Raipur	11-month	2023-24	1,54,500/-

5.	A Phase 3 Superiority Study Comparing the Safety and Efficacy of SNP-ACTH (1-39) Gel compared to Rituximab and FDA approved biosimilars in Adults with Primary Membranous Nephropathy (PMN) in a Two-Phase Adaptive Trial Design	Dr. Vinay Rathore	Cerium Pharmaceuticals, Inc 312 Main Street, Suite 300 Gaithersburg, MD 20878	3 years	2023-2026	50,000/- per patient enrolled and follow (As per Competitive recruitment)
6.	A Phase 2b, Randomized, Controlled Double-blind, Multicenter Study Comparing the Efficacy and Safety of Zetomipzomib (KZR-616) 30 mg or 60 mg with Placebo in Patients with Active Lupus Nephritis	Dr. Vinay Rathore	Kezar Life Sciences, Inc. 4000 Shoreline Court, Suite 300 South San Francisco, CA 94080 Tele. +1-650-822-5600	3 years	2023-2026	50,000/- per patient enrolled and follow (As per Competitive recruitment)

Completed Projects

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A Clinical and Epidemiological Profile of Patients with Chronic Kidney Disease of Unknown Aetiology Attending AIIMS, Raipur, Chhattisgarh	Dr. Vinay Rathore	AIIMS, Raipur	1 year	2019-2021	Four lakhs
2.	An Investigator-Initiated, International Multi-centre, Multi Arm, Multi-Stage Randomised Double-Blind Placebo-Controlled Trial of Angiotensin Receptor Blocker (ARB) & Chemokine Receptor Type 2 (CCR2) Antagonist for the treatment of COVID-19.	Dr. Vinay Rathore	George Institute of Global Health (GIGH)-India	1	2021-22	2 Lakhs Approx as per Competitive recruitment

3.	A Phase 3, Multi-Centre, Randomized, Open-Label, Assessor-Blind Study to Evaluate the Efficacy and Safety of Mino-Lok Therapy (MLT) in Combination with Systemic Antibiotics in the Treatment of Catheter-Related or Central Line-Associated Bloodstream Infection	Dr. Vinay Rathore	Citius Pharma and Biorasi	1	2022-23	30,000/- per patient recruited (competitive recruitment)
4.	Prophylaxis for patients at risk of COVID-19 infection (PROTECT-V	Dr. Vinay Rathore	George Institute of Global Health (GIGH)- India	1	2021-22	2 Lakhs Approx as per Competitive recruitment

Departmental Projects (Non-Funded Projects/ICMR-STs Projects Thesis/Dissertations)

Ongoing

S. No.	Project Title (Non-Funded Projects/ICMR-STs Projects Thesis/Dissertations)
1.	CAPD Uptake in Chhattisgarh.
2.	Prevalence and Characteristics of Chronic Kidney Disease (CKD) in Superbad village of Devbhog block and Piperkhutta village of Manpur Block in Gariyaband District.
3.	Clinical Spectrum and Pregnancy-Related Acute Study.
4.	Outcomes and out of pocket expenditure of newly initiated Renal Transplant Program in a Government Teaching Hospital in Chhattisgarh.
5.	Characterization of hyponatremia in patients of Chronic Kidney Disease of unknown etiology (CKDu) visiting AIIMS Raipur.
6.	A case-control study on prevalence and characterization of mineral bone disease in patients of CKDu.
7.	Study of serum and urine heavy metals and fluoride levels in patients of chronic kidney disease of unknown etiology.
8.	Clinical Profile, Histopathological Features, and Outcome of IgA Nephropathy in a Tertiary Care Hospital in Central India.
9.	Prevalence and Risk factors associated with Sexual Dysfunction in Women with Chronic Kidney Disease: A Cross-sectional Study from Central India.

Completed

S. No.	Project Title (Non-Funded Projects/ICMR-STs Projects Thesis/Dissertations)
1.	The assessment of Quality of Life and Caregiver burden among persons undergoing and followed up for Dialysis in the Department of Nephrology at AIIMS Raipur.
2.	An assessment of nutritional status in chronic kidney disease patients of unknown origin by Bioimpedance Spectroscopy.
3.	Study of Urine Concentration Defect in Residents of Endemic Area of CKUD Visiting AIIMS Raipur; A Pilot Study.
4.	Immunogenicity and effectiveness of COVID-19 vaccines in patients with chronic kidney disease: a pilot study.
5.	CAPD Uptake in Chhattisgarh.
6.	Clinico-Epidemiological Profile of Patients with Chronic Kidney Diseases of Unknown Etiology: A Hospital-Based, Cross-Sectional Study from Central India.

COLLABORATIVE PROJECTS**Ongoing**

Sr. No.	Title of thesis/dissertation/Project	Collaborating Department/Institution
1.	Study of small and middle molecules in children 6 months to 14 years undergoing peritoneal dialysis	Pediatrics
2.	A Comparative Analysis of Treatment Outcomes with N-Acetyl cysteine alone and N-Acetyl cysteine combined with Plasma Exchange in Acute Liver Failure following Acute Yellow Phosphorus Poisoning- A Prospective Observational Study.	Forensic Medicine
3.	A comparative observational study on the spectrum of renal USG elastography in patients with chronic kidney disease of unknown origin vs patients with chronic kidney disease secondary to hypertension & diabetes mellitus in a tertiary care center hospital in Raipur, Chattisgarh.	Radiodiagnosis
4.	A study on Outcome of Patients with Acute liver failure and acute on Chronic liver Failure undergoing PLEX an Observational study."	General Medicine
5.	"Profile of Chronic Kidney Disease in Pediatric Patients Visiting a tertiary Care Hospital in Central India - an ambispective study"	Pediatrics

6.	"Evaluation of Cardiac Autonomic Dysfunction in Non-diabetic Chronic Kidney Disease Patients".	General Medicine
7.	The difference in retinal thickness and retinal microvascular changes between diabetic retinopathy with and without diabetic nephropathy individuals. A cross-sectional, comparative study	Ophthalmology

Completed

Sr. No.	Title of thesis/dissertation/Project	Collaborating Department/ Institution
1.	Occult Hepatitis-B Infection among chronic kidney disease patients in a tertiary health care center: A preliminary study	Microbiology
2.	Prevalence of left ventricular systolic dysfunction measured by Global longitudinal strain echocardiography in chronic kidney disease patients with preserved left ventricular ejection fraction and its correlation to renal biochemical parameters.	Cardiology
3.	Early versus conventional initiation of RRT in children with Acute Kidney Injury: A Randomized controlled trial	Pediatrics
4.	Evaluation of dried blood spot (DBS) for diagnostic feasibility in the detection of anti-HCV antibody, HCV RNA quantitation, and HCV genotyping.	Microbiology
5.	Utility of surveillance cultures and infection control bundle compliance rates to predict catheter colonization and CLABSI among patients undergoing acute hemodialysis through non-tunneled catheter	Microbiology
6.	Comparison of various serological assays and RNA POC (point of care) tests for the laboratory diagnosis of Hepatitis C Virus infection among patients on hemodialysis and venereal disease patients	Microbiology
7.	Evaluation of Changes in Ocular Parameters in Patients Undergoing Hemodialysis	Ophthalmology

8.	Study: "A cross-sectional study of dermatological manifestations in chronic kidney disease patients in a tertiary care institute of Central India"	Dermatology
9.	Correlation of Th17 cells and cytokines (IL-17 and IL 10) with disease activity index in SLE	Biochemistry
10.	Clinical and laboratory profile of patients with lupus nephritis - study from central India	General Medicine
11.	Assessing protein-energy wasting (PEW) in idiopathic adult-onset nephrotic syndrome using bio-impedance spectroscopy (BIS)	General Medicine

PUBLICATIONS

1. Badge R, Rathore V, Ghosh A, Saha AK, Pathak N. Coexistence of Type I Diabetes and Lupus Nephritis in a Young Child. *Indian Journal of Kidney Diseases* 2024; 3(1): 31-33.
2. Kumar AV, Rathore V, Badge R, Sharma A, Singh N, Jain K. Increased Uptake of Peritoneal Dialysis after Inclusion of Peritoneal Dialysis in MukhyamantriVishesh SwasthyaSahayata Yojana in Chhattisgarh. *Indian J Nephrol.* 2024;34:201-2.
3. Badge RP, Babu VS, Rathore V. Spectrum of acute kidney injury in patients of tropical acute febrile illness in a tertiary hospital. *International Journal of Research in Medical Sciences* 2023; 11(7): 2621-2625.
4. Saha AK, Padhi P, Hota D, Rathore V. Neonatal Acute Kidney Injury due to Maternal Olmesartan Intake. *Indian J Pediatr.* 2024; doi:10.1007/s12098-024-05037.
5. Vinay Kumar AV, Rathore V, Vijayalakshmi S. Case series on herbal medication-induced acute kidney injury in central India. *International Journal of Research in Medical Sciences* 2023; 11(6): 2237-2240.
6. Ramasamy SK, Rathore V, Galhotra A, Agrawal S. Health equity in dialysis care: Time for action. *Indian Journal of Community and Family Medicine* 2023; 9(1):8-13.

PATIENT CARE DATA

OPD	IPD	RENAL BIOPSY	ACUTE PERITONEAL DIALYSIS	CAPD	HEMODIALYSIS	SLED	CRRT	PLASMAPHERESIS	PERCATHESIS INSERTION	AV FOR CREATION	LIVE TRANSPLANT	DECEASED TRANSPLANT
16211	1872	249	45	99	6707	148	54	547	286	24	15	4

Special Clinic

Glomerular Disease Clinic	1500
Renal Transplant Clinic	525
Pediatric Nephrology Clinic	333
Peritoneal Dialysis Clinic	345
CKDu Clinic	99

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Vinay Rathore was invited in the National Conference of 53rd Annual Conference of Indian Society of Nephrology as a Panelist for IgA nephropathy- Current treatment and new insights on 14-17 December 2023 organized by Indian Society of Nephrology at Kolkata, West Bengal.
2. Dr. Vinay Rathore was invited as a Chairperson for NOTTO - ISOT Joint Session on Deceased Donation in the National Conference 33rd Annual Conference of ISOT (ISOT 2023) from 05-08.10.2023 in the occasion of Annual Conference of ISOT at Kolkata, West Bengal.
3. Dr. Vinay Rathore was invited to Choukesy Engineering College, Bilaspur, Chhattisgarh as a speaker on Organ donation awareness program Angdhan Kab Kyon aur Kaise on 25.09.2023

DEPARTMENT OF NUCLEAR MEDICINE

Associate Professor & In-charge

Dr. Mudalsha Ravina

HIGHLIGHTS

Featured Session: Image Guided Surgery in Annual Congress of the European Association of Nuclear Medicine, held at Vienna.

EDUCATION

MD Nuclear Medicine students-05

Regular teaching classes for DNB Nuclear Medicine students (NBE).

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Mudalsha Ravina

S. No.	Title	CME/Conference	Date	Organized By
1.	Featured Session: Image Guided Surgery	Annual Congress of the European Association of Nuclear Medicine	11.09.2023	European Association of Nuclear Medicine, held in Vienna
2.	Standardizing reporting formats in Myocardial Perfusion	NCSICON 2023	04.11.2023-05.11.2023	Mahatma Gandhi Hospital, Jaipur & (NCSI)
3.	PET-CT in oral malignancies	Oral cavity carcinoma-comprehensive management	14.01.2024	ENT, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Kote R; Ravina M; Kashyap Y; Gupta R; Krishna S; Dasgupta S.	Role of Textural and Radiomic Analysis Parameters in Predicting Histopathological Parameters of the Tumour in Breast Cancer Patients.	Annual Congress of the European Association of Nuclear Medicine	09.09.2023-13.09.2023	EANM, Vienna
2.	Reddy M; Ravina M; Singh S; Goyal H; Dasgupta S; Kote R; Prasanth P; Badavath V; Krishnan S	Correlation of myocardial perfusion imaging with Coronary artery calcification scoring in evaluation of coronary artery disease in intermediate risk individuals.	ANMPICON 2023	29.09.2023-01.10.2023	Fortis Hospital, Faridabad
3.	Reddy M; Ravina M; Singh S; Goyal H; Dasgupta S; Kote R; Prasanth P; Badavath V; Krishnan S.	Correlation of myocardial perfusion imaging with Coronary artery calcification scoring in evaluation of coronary artery disease in intermediate risk individuals.	NCISICON 2023	04.11.2023-05.11.2023	Mahatma Gandhi Hospital, Jaipur
4.	Arif S; Reddy M; Paul S; Ravina M; Vajpai T.	Familial Adenomatous Polyposis and Rectal Carcinoma with Portal Cavernoma: A Surgical Challenge.	IASGCON 2023	23.11.2023-25.11.2023	IASGCON 2023, AIG Hospitals, Hyderabad
5.	Goyal A; Paul S; Bodhey N; Kumar A; Ravina M; Gupta R.	Resectable Carcinoma Gall Bladder- An Initial Experience with Multimodality Management.	IASGCON 2023	23.11.2023-25.11.2023	IASGCON 2023, AIG Hospitals, Hyderabad

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Diagnostic outcome of PET/CT guided biopsy of intrathoracic lesions with robotic navigation system	Dr Mudalsha Ravina	AIIMS, Raipur	01, extension granted	2022-	3,09,553/-

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations*Completed*

S. No.	Project
1.	Role of 99m-Tc TRODAT in differentiating between idiopathic Parkinson's disease and drug induced Parkinson's.
2.	Role of FDG PET-CT in assessment of myocardial viability in patients with coronary artery disease associated left ventricular dysfunction.
3.	Role of splenic scintigraphy in sickle cell anemia.
4.	Role of 18F- FDG PET-CT in initial staging & prediction of bone marrow involvement in newly diagnosed lymphoma patients in correlation with bone marrow study.
5.	Role of FDG PET-CT in pretreatment evaluation of oral carcinoma.
6.	Role of triple phase bone scintigraphy in TMJ arthritis.
7.	Assessment of right ventricular ejection fraction by first pass radionuclide ventriculography and its comparison with echocardiography determined surrogate marker of right ventricular function in patients with dilated cardiomyopathy.
8.	Role of textural parameters in predicting histological & molecular subtype in grade of tumor in breast cancer patients.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Correlation of myocardial perfusion imaging with coronary artery calcification scoring in evaluation of coronary artery disease in intermediate risk population.	Cardiology
2.	Role of 18F-FDG PET-CT Metabolic Radiomics in Predicting Treatment Response in Patients with Non-Small Cell Lung Cancer - An Ambispective Study.	Pulmonology, Medical Oncology
3.	A case control study on prevalence and characterization of mineral bone disease in patients of CKD	Nephrology
4.	Appropriate use criteria in myocardial perfusion imaging in All India Institute of Medical Sciences, Raipur- an audit.	Cardiology
5.	Comparison between in vitro gamma's method, in vitro plasma sampling technique and chronic kidney disease epidemiology collaboration (CKD EPI) 2021 equation for evaluation of glomerular filtration rate in voluntary kidney donors	Nephrology
6.	Association between parotid scintigraphy parameters and degree of Xerostomia in Head and Neck cancer patients receiving parotid sparing volumetric modulated arc therapy : A pilot study	Radiation Oncology
7.	Comparison of diagnostic yield, safety and patient acceptability of radial EBUS with other transthoracic diagnostic modalities in patients with lung parenchymal mass lesion	Pulmonary Medicine

PUBLICATIONS

- Mishra A, Ravina M, Kote R, Kumar A, Kashyap Y, et al. Role of Textural Analysis of Pretreatment 18F Fluorodeoxyglucose Positron Emission Tomography/Computed Tomography in Response Prediction in Esophageal Carcinoma Patients. Indian Journal of Nuclear Medicine 2023; 38(3): 255-263.
- Krishna S, Ravina M, Kashyap Y, Dasgupta S,

- Kote R. 18F-Labeled Fluoro-2-Deoxyglucose Positron Emission Tomography and Computed Tomography Findings in a Case of Atypical Presentation of Adult Cutaneous T-cell Lymphoma. *Indian Journal of Nuclear Medicine* 2023;38(2):167-169.
3. Krishna S, Ravina M, Kumar A, Dasgupta S, Kote R. 18F fluorodeoxyglucose positron emission tomography/computed tomography findings in a case of metastatic eccrineporocarcinoma - An extremely rare malignant adnexal tumor. *Indian J Nucl Med* 2023;38:89-90.
 4. Mishra A, Ravina M, Kote R, Kumar A, Kashyap Y, et al. Role of textural analysis parameters derived from FDG PET/CT in differentiating hepatocellular carcinoma and hepatic metastases. *Nuclear Medicine Communications* 2023;44(5): 381-389.
 5. Krishna S, Ravina M, Nanda S, Lukose TT, Moideen A et al. Role of 2-(fluorine-18) Fluoro-2-deoxy-D-glucose Positron Emission Tomography/Computed Tomography in Initial Staging and Bone Marrow Involvement Prediction in Patients with Newly Diagnosed Lymphoma in Correlation with Bone Marrow Study. *Indian Journal of Nuclear Medicine* 2024;39(1):10-17.
 6. Gupta RK, John A, Ravina M, Arora RD. A unique case of anaplastic thyroid carcinoma comprising of two distinct patterns osteoclastic variant and squamous cell carcinoma in separate lobe imitating collision tumor: A case report. *DiagnCytopathol.* 2023;51(3):E89-E93.
 7. Bala S, Kumar A, Ravina M, Dange P, Kashyap Y. Myeloid sarcoma cases with varied presentations leading to diagnostic delay: A case series. *Journal of Hematology and Allied Sciences.* 2023:1-5.
 8. Ray R, Baruah TD, Ravina M, Kumar D, Minz T. Umbilical nodule - A not always innocuous abdominal finding. *Journal of Cancer Research and Therapeutics* 2023;19 (Suppl 2): S946-S949.
 9. Dasgupta S, Ravina M, Lukose T, Bansal H, Krishna S. et al. Association between right ventricular ejection fraction calculated by first pass radionuclide ventriculography and surrogate markers of right ventricular function assessed by echocardiography in Dilated Cardiomyopathy patients- a comparative study. *Journal of Nuclear Medicine* Jun 2023; 64 (supplement 1):P1252.
 10. Saurabh G, Kashyap NK, Suresh MP, Harshavardhan N, Chakraborty NS, Satarkar R, Ravina M, Thakur S. Non-Hodgkin's Lymphoma with Right Atrial Intra Cardiac Metastases. *World Journal of Cardiovascular Surgery* 2023;13: 120-127.

PATIENT CARE

Facilities available in the department

1. SPECT/CT Scan
2. PET/CT Scan
3. Thyroid Probe
4. Nuclear Medicine therapy clinic for bone pain palliation, thyrotoxicosis and differentiated thyroid cancer
5. PET guided biopsies with Robotic Navigation system

	SPECT/CT	PET/CT	Radioiodine Therapy for Thyroid Carcinoma and Thyrotoxicosis Radio-Active Iodine Uptake Study	PET Guided Biopsies
Total Number of Patients	1842	2763	39	30

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Mudalsha Ravina

- Executive Committee member of Society of Nuclear Medicine (SNM), India.
- Life member of SNMI, NCSI, ANMPI (Association of Nuclear Medicine Physicians, India), Indian College of Nuclear Medicine, National Academy of Medical Sciences, Indian Medical Association.
- Guest Faculty for Featured Session on Image Guided Surgery at Annual Congress of the European Association of Nuclear Medicine.
- Panelist for national teaching program under aegis NBEMS for DNB Nuclear Medicine Students.
- Panelist for the discussion of Inflammatory - Infiltrative Cardiomyopathies: Cardiac PET/ SPECT Protocols, Potential Clinical Application and Practical Implication at ANMPICON 2023.
- Chairperson at Lung Cancer Symposium held at Pulmonary Medicine Update by AIIMS Raipur.
- Chairperson at Diagnosis & Management of Acute Leukemia update 2023 held by AIIMS Raipur

DEPARTMENT OF OBSTETRICS & GYNECOLOGY

Professor and HoD

Dr. Sarita Agrawal

Additional Professors

Dr. Nilaj Bagde

Dr. Pushpawati

Dr. Vinita Singh

Associate Professors

Dr. Chandrashekhar Shrivastava

Dr. Sarita Rajbhar

HIGHLIGHTS

Department of Obstetrics & Gynecology is well equipped and always keen to provide the best health care facility to improve women's health. Currently apart from undergraduate course department is having Postgraduate course with 10 PGs/year, post degree certificate course (PDCC) in high risk pregnancy and Gynecological endoscopy with four PDCC candidate per year. Many innovative research projects both with extramural and intramural funding are ongoing.

In addition to that, in the Department organized the Cervical Screening Workshops and camps, Live Surgical workshops, laproscopic training workshops to improve the knowledge and clinical exposure to undergraduate and postgraduate students and also faculties. The Department is regularly providing training to Medical Officers and nursing of Chhattisgarh state.

Faculties and resident are also participating in community Awareness programs for PCOS and Endometriosis and various camps in the remote areas. The Department is striving hard to start two streams the "In vitro fertilization set up" and "Fetal medicine unit with a genetic counselling & genetic laboratory facilities" in the institute.

EDUCATION

The Department conducts regular academic activities for undergraduates and postgraduates in order to impart continuous flow of knowledge to the students. The system of education is competency based and also guided on the simulator based training. The department is equipped with virtual interactive birthing simulator and also with Laparoscopy training Simulator.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Live Laparoscopic Surgical Workshop and Cadaveric Workshop	State level live surgical workshop	20.04.2023 to 21.04.2023	Department of Obstetrics & Gynecology in collaboration with Medtronics Pvt Ltd.
2.	Invasive Prenatal Diagnostic Procedure	CME cum Live Workshop	03.06.2023	Department of Obstetrics & Gynecology in collaboration with Lifecell India Pvt. Ltd.
3.	Hands on Training workshop on gynec endoscopy	Proctorship programme	10.08.2023 to 11.08.2023	Department of Obstetrics & Gynecology in collaboration with J & J
4.	Cancer Awareness Campaign	Awareness Campaign	06.02.2024 to 10.02.2024	Nursing Carder (Obs. & Gynae. OPD)
5.	International Women's Day		09.03.2024	Department of Obstetrics & Gynecology

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Nilaj Kumar Bagde**

S. No.	Title	CME/Conference	Date	Organized By
1.	Endometriosis and Polycystic Ovarian Syndrome (PCOS)	Conference	27.06.2023	Dept. of Zoology & Sparsh cell, Govt. RRM P.G. college, Surajpur, C.G.
2.	Hysteroscopy	Workshop	24.09.2023	DGES IAGE
3.	Conservative Management of Cervical Precancerous Lesions	Conference	06.01.2024 to 11.01.2024	66 th AICOG All India congress of obstetrics & Gynecology Hyderabad
4.	Short Term Training/ Observership in IVF/IUI in Reproductive Medicine	Short Term Training	17.11.2023 to 16.12.2023	ART, AIIMS, New Delhi

ORAL PAPERS/POSTERS PRESENTED

Dr. Chandrashekhar Shrivastava

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Chandrashekhar Shrivastava, Dr. Farhat, Dr. Sarita Agrawal, Dr. Sarita Agrawal, Dr. Atiya Raza	ARCT to compare the efficacy and fetomaternal outcome of 75 mg aspirin vs 150 mg aspirin in women at highrisk of preeclampsia	ISSHP World Congress 2023	24-27.09.2023	ISSHP and SM FM (I)

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	To evaluate maternal and fetal outcomes in women diagnosed with GDM or normoglycaemia using IADPSG criteria, among women diagnosed with normoglycaemia by DIPSI criteria: Prospective multi-centre observational cohort study (An ICMR Task Force study)	Dr. Sarita Agrawal	ICMR	3	2023-2025	45,40,361/-
2.	National Registry on COVID-19 infection among pregnant women and their neonates" ICMR Multi centre Project	Dr. Sarita Agrawal	ICMR	3	2020-2024	77,01,283/-
3.	Prospective evaluation of etiological factors, trajectory of comorbidities and, efficacy and safety of various therapeutic agents among Indian women with Polycystic ovary syndrome (PCOS): A Multicentric ICMR-PCOS Cohort Study Phase II	Dr. Sarita Agrawal	ICMR	5	2023-2027	1,20,74,160/-

4.	Role of Geminin As A Tool for Augmenting Accurate Diagnosis of Cervical Neoplasia	Dr. Nilaj Kumar Bagde	AIIMS, Raipur	4	2019-2024	5,00,000
5.	Clinical Phenotypes and Genetic Regulation of Endometriosis in Indian Women (Extramural Funded Project for 5 Years with ICMR)	Dr. Nilaj Kumar Bagde	Wellcome Trust-DBT India Alliance	5	2019-2024	9,16,000/-
6.	A real world prospective study to evaluate the geographical distribution of prevalence, sensitisation rate, and utilization of prophylactic treatment of Rh-negative women in India (Funding Agency)	Dr. Nilaj Kumar Bagde	Bharat Serum	1	2023-2024	1,00,000 /-
7.	Evaluation of maternal and fetal outcomes in women diagnosed with GDM or normoglycaemia using IADPSG criteria, among women diagnosed with normoglycaemia by DIPSI criteria: Prospective multi-centre observational cohort study	Co- PI Dr. Nilaj Kumar Bagde		4	2023-2027	5,95,73,610/-
8.	To evaluate the potential of plasma mitochondrial DNA for early GDM Prediction	Co-PI Dr. Vinita Singh	Extramural ICMR		2024-2026	Grant of around 90 lacs

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Evaluation of prevalence, regional phenotypic variation, co morbidities, risk factors and the variations in response to different therapeutic modalities among Indian women with polycystic ovary syndrome (PCOS): A Multicenter study across India	Dr. Sarita Agrawal	ICMR	5	2017-2022	65,06,780/-
2.	To study the fetomaternal outcome in Gestational Diabetes Mellitus with PCOS patients -A comparative approach. (Completed awaiting publication)	Dr. Vinita Singh	Non-Funded	1	2023-2024	Non Funded

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Prof. (Dr.) Sarita Agrawal

Ongoing

S. No.	Thesis/PDCC Projects (ongoing)
1.	Predictive accuracy of modified WHO and (Cardiac disease in pregnancy) CARPEG II clinical risk assessment scoring systems for cardiac complications among pregnant women with heart disease Dr. Sarita Agrawal, PG Dr. Pulli Pallavi Krishna.
2.	The efficacy of transcutaneous electrical nerve stimulation (TENS) for pain relief during first stage of labor- a single blind randomised controlled trial. Dr. Sarita Agrawal PG Dr. Paritosh Gupta.
3.	Neurocognitive and developmental growth assessment of fgr babies - a retrospective cohort study. Dr. Sarita Agrawal PDCC Sr. Dr. Kirtisinha.
4.	Association of amniotic fluid volume with adverse perinatal outcome in fetuses with growth restriction: A prospective observational cohort study. Guide- Dr. Sarita Agrawal, PG Dr. Samita.
5.	Study of Sperm DNA fragmentation index in semen of oligozoospermic and normozoospermic male partner of infertile couples" Guide Dr. Sarita Agrawal, PG Dr. Khyati Patel.
6.	Impact of structured nutritional counselling and nutritional advices on birth weight of neonates" Guide Dr. Sarita Agrawal, PG Dr. Dodla Muni Rajya Lakshmi.
7.	Association of first trimester aneuploidy markers with Gestational Diabetes Mellitus, a prospective observational cohort study Dr. Nilaj Bagde, PG Dr. Priyanka Mondal.
8.	Effect of maternal intravenous hydration versus oral hydration on the amniotic fluid index and perinatal outcome in pregnant women of 32 - 36 weeks gestational age with reduced Amniotic Fluid Index: A single blinded randomized control trial. Guide Dr. Nilaj Bagde, PG Dr. Polarica.
9.	To compare the Efficacy of Dienogest versus combined oral contraceptive pills for relief of Pain Associated With Endometriosis: An Open Label, Randomized Clinical controlled trial. Dr. Nilaj Bagde, PG Dr. Ravisha Aggarwal.
10.	To assess the efficacy of intrauterine instillation of vasopressin as compared to normal saline in decreasing blood loss in TLH. Dr. Nilaj Bagde, PG Dr. Shweta Yadav.
11.	Comparison of Accuracy of HPV DNA Test And Colposcopy Versus Cytology And Colposcopy for The Detection of Cervical Intraepithelial Neoplasia. Dr. Nilaj Bagde, PG Dr. Mercy Choudhary.
12.	Comparison of Perioperative Outcomes in Conventional Approach versus Posterior Approach for Uterine Artery Ligation in Total Laparoscopic Hysterectomy; Randomised Control Trial. Guide- Dr. Nilaj Bagde, PDCC SR- Dr. Kanhu Charan Dash.

13.	Association Of Pathological Cerebroplacental Ratio And Perinatal Outcome In Small For Gestational Age Versus Adequate For Gestational Age Fetuses A Prospective Cohort Study. Guide- Dr. Chandrashekhar Shrivastava, Pg - Dr. Arya J.
14.	To compare WHO's Labor care guide, the next Generation Partograph (2020) versus modified WHO's partograph (2000) in improving overall fetomaternal outcome and reducing caeseraen Delivery rate in singleton pregnancy: an open labelled randomized control trial. Guide- Dr. Chandrashekhar Shrivastava, PG - Dr. Aishwarya Honwad.
15.	HDP Gestosis score vs fetal medicine foundation calculator in predicting preeclampsia: a prospective comparative analytical study. Guide- Dr. Chandrashekhar Shrivastava, PG - Dr. Sulaikha.
16.	Comparing the efficacy of metformin plus aspirin with aspirin alone in preventing preeclampsia in high risk pregnancies: a randomized controlled trial. Guide- Dr. Chandrashekhar Shrivastava, PG - Dr. Mitul Suhane.

Completed

S. No.	Thesis/PDCC Projects (completed)
1.	Mifepritone versus dinoprostone gel for preinduction cervical ripening a randomized controlled trial. Dr. Sarita Agrawal PG Dr. Chethan.
2.	Topical Imiquimod treatment versus Large loop excision of transformation zone (LLETZ), an open label randomized controlled trial in newly diagnosed Cervical Intraepithelial neoplasia 2,3 (CIN-2,3) Guide- Dr. Nilaj Kumar Bagde , PG - Dr. Adithya Raj PK.
3.	Accuracy of the Triple Test Versus Colposcopy for the Diagnosis of Premalignant and Malignant Cervical Lesions. Guide Dr. Nilaj Bagde PG Dr. Harshad Bagde.
4.	(To compare the fetomaternal outcome of 150 mg versus 75 mg aspirin in patients with high risk of preeclampsia (PE); A Randomized controlled trial.) Guide - Dr. Chandrashekhar Shrivastava, PG Dr. Farhat Jahan Khan.
5.	(Serum antinuclear antibodies in women with polycystic ovarian syndrome, a hospital based cross sectional study.) Guide- Dr. Chandrashekhar Shrivastava, PG - Sagiraju Praharshita.
6.	A pilot randomized clinical trial to compare Uterine articulating type manipulator (Mangeshikar manipulator) and uterine non-articulating type manipulator (Marwa manipulator) for uterine manipulation and vaginal fornix delineation during Total Laparoscopic Hysterectomy. Project Guide- Dr. Nilaj Bagde, PDCC SR- Dr. Kodumuri Loukya.
7.	Evaluation of efficacy of the WHO Labour Care Guide, the next generation partograph, in reducing primary caesarean delivery rate and improving labour outcome compared to standard obstetric care protocols, a Randomized Controlled Trial. Project Guide - Dr. Chandrashekhar Shrivastava, PDCCSR Dr. Arti Kumari.

PUBLICATIONS

- **Bagde N**, Bagde M, Shanbhag V, Trigunait P, Sheikh N, **Agrawal S**. Antenatal factors and risk of postpartum hyperglycemia in women with gestational diabetes mellitus: A central India prospective cohort study. *J Fam Med Prim Care*. 2024 Jan;13(1):59-65
- Bagde ND, Bagde MN, **Agrawal S**, Nayak P, Rajbhar S, Hussain N. Role of Geminin as a Tool for Augmenting Accurate Diagnosis of Cervical Neoplasia. *Cureus*. 16(3):e56864.
- Sinha MB, Dada R, Patel S, Mohapatra E, **Bagde N**, Sinha HP, Gupta S. Incidence of Yq Microdeletion among Chattishgarh Population and Cast based distribution. *National Journal of Clinical Anatomy*. 2024 Jan 1;13(1):12-8.
- **Singh V**, Pradhan S, Shanbhag V, et al. Laproscopic Assisted Ovarian Cystectomy: A New Approach. *J Obst Gynecol Surg*. 2023; 4(1):1-3.

PATIENT CARE

	OPD	IPD	Minor OT	Major OT	Or any other facility
Total	50403	1016	2049	211	IUI Data -147

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Vinita Singh

1. Awarded with FMAS (Fellow in Minimal Access Surgery)
2. Strated Fetal Medicine unit in department of

OBGY including Fetal Anomaly scan, Echocardiography, Neurosonography, Invasive testing like Amniocentesis, Chorionic Villous sampling along with genetic counselling and testing.

Live Laparoscopic Surgical Workshop and Cadaveric Workshop - Date: 20.04.2023 to 21.04.2023



Cancer Awareness Camp - Date: 05.02.2024 to 10.02.2024



International Women's Day - Date: 09.03.2024



DEPARTMENT OF OPHTHALMOLOGY

Professor and Head

Dr. Somen Misra

Additional Professors

Dr. Neeta Misra

Dr. Lubna Khan

Dr. Ankur K. Shrivastava

Associate Professor

Dr. Vijaya Sahu

Assistant Professor

Dr. Madhuri Akella

HIGHLIGHTS

The Ophthalmology Department operates with three main objectives: delivering thorough, top-notch eye care to patients, providing structured education for both undergraduate and postgraduate students, and conducting clinical research. Currently, it offers outpatient and inpatient services as well as performing various types of eye surgeries. The department is staffed by a committed team that serves diverse patient needs, offering specialized services in areas such as Glaucoma, Orbit and Oculoplasty, Retina, and Trauma cases.

The outpatient department operates six days a week, with specialized clinics held on designated days. Specifically, clinics for Glaucoma and Retina now run every Tuesday and Wednesday afternoon from 2:30 to 4:30 pm, respectively. A dedicated team of residents and consultants is available around the clock to handle emergencies. Additionally, the department participates in

screening for Retinopathy of Prematurity (ROP) in the neonatal ICU. Currently, the OPD is well-equipped with three refraction units to accommodate a large number of patients for initial comprehensive eye examinations. The facility boasts various essential equipment including slit lamp biomicroscopes, a specular microscope, a fundus camera, a Humphrey visual field analyzer, A-scan & B-scan machine and a Spectral Domain Optical Coherence Tomography machine, along with the IOL Master 500, ensuring the delivery of high-quality patient care.

The modern Ophthalmology Operation theatre features two OT tables equipped with advanced operating microscopes and cutting-edge equipments. The range of surgeries performed includes intraocular procedures like cataract surgery, retinal surgeries, glaucoma surgeries, corneal surgeries and pediatric cataract surgeries. Additionally, extra-ocular surgeries encompass oculoplasty procedures, enucleation, evisceration, and orbital surgeries such as exenteration.

The Laser room within the OPD accommodates a variety of lasers, including Nd YAG for procedures like iridotomies and capsulotomies, and Green (double frequency YAG laser) for retinal photocoagulation, addressing retinal vascular disorders such as diabetic retinopathy.

A designated area houses the Eye Bank, equipped with instruments like a specular microscope, laminar air flow system, cold cabinet, slit lamp biomicroscope, and surgical instruments for keratoplasty. The Eye Bank is operational and utilized for storing corneas from donated eyes.

Eye Donation Fortnight was celebrated successfully from 25th August 2023 to 8th September 2023 with a series of impactful events and initiatives aimed at raising awareness about the importance of eye donation. Workshops, and community outreach programs to outreach programs and screening camps are conducted to identify patients at risk of vision-threatening ocular diseases like glaucoma. During World

Glaucoma Week, observed from March 10th to 16th, 2024, efforts were made to raise awareness among the general public about the significant role of glaucoma as irreversible blindness. Various awareness activities, including poster displays, video presentations, and distribution of pamphlets, were carried out to educate patients.

EDUCATION

The Department enrolls 8 MD Ophthalmology postgraduates annually. It conducts regular PG teaching programs, including Departmental Case Presentations, Journal Clubs, and Seminars, fostering a conducive academic environment for both junior and senior residents. Additionally, the Department provides clinical teaching for MBBS students through clinics, tutorials, and lectures according to the schedule. Moreover, the Department offers a Post-Doctoral Certificate Course (PDCC) fellowship in Medical Retina.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Somen Misra

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum eye donor family felicitation program	CME	02.09.2023	Department of Ophthalmology, AIIMS, Raipur
2.	Judge in "Think Under The Apple Tree" session	82 nd Annual conference of All India Ophthalmological Society	13.03.2024	All India Ophthalmological Society
3.	Judge in "ARC PG Thesis Competition (Young Researcher Award)" session	82 nd Annual conference of All India Ophthalmological Society	13.03.2024	All India Ophthalmological Society

Dr. Ankur K Shrivastava

S. No.	Title	CME/Conference	Date	Organized By
1.	Moderator in Free paper - Orbit & Oculoplasty I session	81 st Annual conference of All India Ophthalmological Society	11.05.2023	All India Ophthalmological Society
2.	Co-instructor in Instruction course - Optimizing the outcome of cataract surgery in SICS	81 st Annual conference of All India Ophthalmological Society.	11.05.2023	All India Ophthalmological Society
3.	Moderator in Phacomelt session	4 th Midterm conference of Chhattisgarh State Ophthalmological Society	09.07.2023	Chhattisgarh State Ophthalmological Society
4.	Chairperson in free paper cataract session	22 nd Annual conference of Chhattisgarh State Ophthalmological Society	16.12.2023	Chhattisgarh State Ophthalmological Society
5.	Co-convener at Ocular Pathology / Ocular oncology & tumors session	82 nd Annual conference of All India Ophthalmological Society.	14.03.2024	All India Ophthalmological Society
6.	Mentor at "Teachers of Tomorrow" session	82 nd Annual conference of All India Ophthalmological Society.	15.03.2024	All India Ophthalmological Society

Dr. Vijaya Sahu

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum eye donor family felicitation program	CME	02.09.2023	Department of Ophthalmology, AIIMS, Raipur (As an Organizing secretary)

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Prof. (Dr.) Somen Misra**

S. No.	Title	CME/Conference	Date	Organized By
1.	History of Cataract Surgery	CME on Phacoemulsification	17.02.24	Ophthalmology Department, AIIMS, Raipur

Dr. Ankur K Shrivastava

S. No.	Title	CME/Conference	Date	Organized By
1.	Oration lecture on Lid reconstruction - Tips and tricks	4 th Annual meeting of ACOIN West Bengal State chapter	01.07.2023	Association of Community Ophthalmologists of India
2.	Accuracy of IOL power calculation in short eyes: A Systematic review and meta-analysis	4 th Midterm conference of Chhattisgarh State Ophthalmological Society	09.07.2023	Chhattisgarh State Ophthalmological Society
3.	Debate on current trends - Topical Versus Local anesthesia in Phacoemulsification	22 nd Annual conference of Chhattisgarh State Ophthalmological Society	16.12.2023	Chhattisgarh State Ophthalmological Society
4.	Dry eyes- Current concept and management	CME on Dry Eye	21.12.2023	Ophthalmology Department, AIIMS, Raipur
5.	Cataract 360	CME on Phacoemulsification	17.02.2024	Ophthalmology Department, AIIMS, Raipur

Dr. Vijaya Sahu

S. No.	Title	CME/Conference	Date	Organized By
1.	First aid and emergency care in eye injury in the training program for ITBP and CRPF doctors and paramedical staff	Workshop	August 2023	Trauma and emergency Department, AIIMS, Raipur
2.	HCRP vs Community donation	CME	06.09.2023	Raipur Institute of Medical Science, Raipur
3.	Early vitrectomy vs intravitreal injection as a primary treatment for endophthalmitis	Debate	17.12.2023	Annual conference of CSOS 2023
4.	Basics of Neuro-ophthalmology	National Conference of Neurosurgery	23.02.2024	National Society of Neurosurgeons (NSSICON 2024) at AIIMS, Raipur (as a Guest speaker)
5.	What general ophthalmologists should know about diabetic retinopathy	State Conference	31.03.2024	DOS 2024

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Kiu Mondal/ Prof. (Dr.) Somen Misra	Vascular causes of proptosis: Case series	22 nd Annual conference of Chhattisgarh state Ophthalmological society	18.12.2023 - 19.12.2023	Chhattisgarh State Ophthalmological Society
2.	Dr Kiu Mondal/ Prof. (Dr.) Somen Misra	Intracranial metastasis of unilateral retinoblastoma in a 2 years old child	22 nd Annual conference of Chhattisgarh state Ophthalmological society	18.12.2023 - 19.12.2023	Chhattisgarh State Ophthalmological Society

3.	Dr Kiu Mondal/ Prof. (Dr.) Somen Misra	Neutrophil: lymphocyte ratio and platelet: lymphocyte ratio in Retinal vein occlusion	82 nd Annual Conference of AIOC	14.03.2024 - 17.03.2024	All India Ophthalmological Society
4.	Dr Kiu Mondal/ Prof. (Dr.) Somen Misra	Lacrimal sac rhinosporidiosis: a rare case report from Central India	82 nd Annual Conference of AIOC	14.03.2024 - 17.03.2024	All India Ophthalmological Society
5.	Dr Lubna Khan	Conjunctival lesions: When should we perform biopsy?	22 nd Annual conference of Chhattisgarh state Ophthalmological society	18.12.2023 - 19.12.2023	Chhattisgarh State Ophthalmological Society
6.	Dr Ankur K Shrivastava/ Rakhi Kurup	Influence of pupil dilation on ocular parameters and its impact on various intraocular lens power calculation formulae	39 th Annual conference of Asia Pacific Academy of Ophthalmology	23-02-2024	Asia Pacific Academy of Ophthalmology
7.	Dr Tilottama Kar	Diabetic Retinopathy - Classification and Management	13 th Annual Conference of Association of Community Ophthalmologists of India (ACOIN)	22.09.2023 - 24.09.2023	Association of Community Ophthalmologists of India
8.	Dr Tilottama Kar	Saliary Gland Choristoma presenting as an epibulbar mass in a case of Goldenhaar Syndrome	82 nd Annual Conference of AIOC	14.03.2024 - 17.03.2024	All India Ophthalmological Society
9.	Dr Tilottama Kar/ Dr Ankur K Shrivastava	Pupillary pathways and abnormalities	82 nd Annual Conference of AIOC	14.03.2024 - 17.03.2024	All India Ophthalmological Society
10.	Dr Archana Singh	Cavernous Hemangioma presenting as Orbital Varices	13 th Annual Conference of Association of Community Ophthalmologists of India (ACOIN)	22.09.2023 - 24.09.2023	Association of Community Ophthalmologists of India

RESEARCH

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Comparison of central macular thickness following cataract surgery in non-diabetics versus Diabetic patients without retinopathy in a tertiary care centre.
2.	Evaluation of anterior chamber depth with Van herick grading and it's comparison with gonioscopy and and anterior segment OCT in adult population- a cross sectional study.
3.	Clinical profiles of patients presenting with proptosis in ophthalmology department at a tertiary healthcare centre.
4.	Regression patterns of neovascularisation in proliferative diabetic retinopathy following pan-retinal photocoagulation - A prospective observational study.
5.	Comparison of cycloplegic and non-cycloplegic refraction in school aged children- A cross sectional observational study.
6.	Study of other eye in unilateral pseudophakic patients with good visual acuity presenting to a tertiary care hospital in central India.
7.	Study of contribution of the optional variables (white to white and lens thickness) in barrett universal II formula for IOL power calculations : "A cross sectional observational study in Indian population".
8.	Trabeculectomy with fixed sutures vs releasable sutures in uncontrolled glaucoma - Prospective interventional study.
9.	Effect of change in anterior chamber depth on refractive outcome and its impact on IOL power calculation formulae after cataract surgery.
10.	Knowledge attitude and self care practices among glaucoma patients presenting to a tertiary care center-A cross sectional observational study.
11.	To study the incidence of dry eye and conjunctival goblet cell density in type 2 diabetes mellitus patients.
12.	Effect of sellar and parasellar brain tumours on retinal thickness and visual field-A cross sectional comparative study.
13.	Retinal thickness and retinal microvascular changes between diabetic retinopathy with and without diabetic nephropathy individuals- A Cross-sectional comparative study.
14.	Spectrum of fungal eye infections; A prospective clinic microbiological study at tertiary care centres in Raipur, Chhattisgarh.
15.	OCT as a pre-operative screening tool in routine cataract surgery: How useful is it?
16.	Diagnosis of ocular abnormalities using Point of care ultrasonography (POCUS) in patients of head and maxillofacial injuries in the ED.

Completed

S. No.	Project
1.	Non-Funded Projects - Retrospective analysis of Optimal Neonatal care, Ophthalmological care, and severity of Retinopathy of prematurity.
2.	Non-Funded Projects - Optical coherence tomography (OCT) biomarkers as a predictors of positive treatment response during Eplerenone Therapy in Chronic Central Serous Chorioretinopathy: A Retrospective study.

Funded Projects**Ongoing**

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Outcomes of amniotic membrane graft in various ocular surface disorders	Dr Lubna Khan	AIIMS, Raipur	Two	2023-2025	2,50,000/-
2.	Association of cataract with single nucleotide polymorphisms in patients with type 2 Diabetes mellitus: A case-control study in a tertiary care institute in Chhattisgarh, India.	Dr Ankur K Shrivastava	AIIMS, Raipur	One	2023-2024	4,96,661/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Short term effect of a single intravitreal injection of a ranibizumab biosimilar - Razumab on Optical Coherence Tomography Biomarkers in Diabetic Macular Edema	Dr. Vijaya Sahu	AIIMS, Raipur	1.5 years (6 months extension permitted)	Start year 2021	5 lac

Collaborative Projects

Ongoing sponsored trial

S. No.	Principal Investigator	Project	Collaborating Department/Institution
1.	Dr Vijaya Sahu	A Phase III, Prospective, Randomized, Parallel group, Double-blind, Multicentre Study to Compare the Efficacy, and Immunogenicity of Lupin's Aflibercept with Eylea® in Patients with Neovascular Age-Related Macular Degeneration.	Multicentric study: Sponsor of the Study: Lupin Limited (Biotechnology Division),

PUBLICATIONS

- Nayak S, Misra S, Raghani MJ, Misra N. A rare case of lateral wall blow-in fracture of the orbit. *Indian Journal of Ophthalmology - Case Reports*. 2023;3(3):821-3.
- Nayak S, Misra N, Ravi A, Misra S. A rare case of bilateral ocular surface squamous neoplasia in an immunocompetent patient. *Journal of clinical ophthalmology and research*. 2023;11(3):219-9.
- Khan L. Clinician's approach for spectrum of orbital diseases: An overview. *Journal of Family Medicine and Primary Care*. 2024;13(3):851-8.
- Khan L, Kashyap H, Mantur MA. Diagnostic challenges in herpetic anterior uveitis: A case report. *Indian Journal of Ophthalmology - Case Reports*. 2023;3(3):721-3.
- Shrivastava A K, Nayak S, Bodhey N, et al. Posterior Reversible Encephalopathy Syndrome in the Immediate Postoperative Period of Gastric Cancer. *Cureus* 15(11): e49388. DOI 10.7759/cureus.49388.
- Shrivastava AK, Nanda S, Ahirwar MK. Pediatric chronic myeloid leukemia (CML) presenting with ocular manifestations: A case report *Indian J Ophthalmol Case Rep* 2023;3:1048-9.
- Morya AK, Kaur K, Gurnani B, Janti SS, Shrivastava AK, Tejaswini A, et al. A clinical trial on phakic intraocular lens for the treatment of refractive amblyopia in children and adolescents. *Indian J Ophthalmol* 2023;71:804-9.

PATIENT CARE

A. Facilities available in the Department -

- ✦ Regular screening of all Ophthalmic patients
- ✦ Refraction
- ✦ Applanation Tonometry
- ✦ Optical Biometry
- ✦ YAG Capsulotomy and Iridotomy
- ✦ Optical Coherence Tomography
- ✦ Visual field examination by Humphrey's Automated Perimetry
- ✦ Medical retina services with Argon green LASER
- ✦ Specular microscopy for keratoplasty purposes
- ✦ Fundus Photography
- ✦ Fundus Fluorescein Angiography for diagnosing various retinal vascular disorder

Speciality services for

- a. Glaucoma
- b. Oculoplasty
- c. Paediatric Cataract
- d. Ocular Trauma
- e. ROP Screening
- f. Surgical and Medical Retina
- g. Keratoplasty

B. Community services / Camps -

- ✦ Activities for Glaucoma Awareness (10.03.2024 to 16.03.2024)
(Pamphlet distribution, Poster and video display)

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Lubna Khan - International academy for research excellence for the article "Modified Small Incision Cataract Surgery for Combined Extraction: A Comparative Study of Two Techniques." - Best Researcher Award 2023-24

Dr. Ankur K Shrivastava

- 1) Serving as Chairman Scientific Committee of Association of Community Ophthalmologists of India, C.G chapter.
- 2) Free paper evaluator for Annual conference of All India Ophthalmic Society.
- 3) Judge in Free Paper - Orbit & Oculoplasty - I session at 81st Annual conference of All India Ophthalmic Society held at Kochi.
- 4) Delivered ACOIN West Bengal State Chapter Oration lecture 2023 on Lid reconstruction - Tips and tricks at NRS Medical College, Kolkata.



Chairperson at 82nd AIOC Kolkata - 13.02.24

Dr. Vijaya Sahu - Participated in the workshop on research methodology, PowerPoint presentation, and basic life support course organized by AIIMS Raipur

Junior Residents

Dr. Kiu Mondal - (1). 1st Prize in Ophthalmology quiz as a team in 22nd Annual Conference CSOS December 2023

Dr. Tilottama Kar - (1). 3rd Position in National Level Rapid Fire session for PGTs at ACOIN Bilaspur September 2023 (2). 1st Prize in Ophthalmology quiz as a team in 22nd Annual Conference CSOS December 2023

Dr. Archana Singh - (1). 1st Prize in Ophthalmology quiz as a team in 22nd Annual Conference CSOS December 2023. (2) 2nd Position in National Level Competitive Physical Poster Presentation for PGTs at ACOIN Bilaspur September 2023.



1st Prize in Quiz by Junior Residents at 22nd CSOS - 19.12.23



Eye Donation Awareness Campaign at Telibanda, Raipur – 27.09.2024

DEPARTMENT OF ORTHOPAEDICS

Professor and Head

Prof. (Dr.) Alok C. Agrawal FAMS

Professor

Prof. (Dr.) Sandeep Nema

Additional Professor

Dr. Bikram Keshari Kar

Associate Professor

Dr. Harshal S. Sakale

Assistant Professors

Dr. Alok Rai

Dr. Arkesh M

Dr. Dushyant Chouhan

HIGHLIGHTS

The Department of Orthopaedics provides quality health care, medical education, research activities at graduate, post-graduate (M.S Orthopaedics). Post-doctoral (MCh. Joint Replacement & Reconstruction) program, started from July 2020 Session now has six academic senior residents. The department provides state of art facilities to patients who need joint replacement, patients presenting with bone tumors, spine disorders, sport injuries, complex trauma, and pediatric orthopaedics. A specialty clinic on pediatric deformity specially clubfoot is organized every Friday. Some Highlights are as follows:

1. The department has organized numerous academic activities such as CME on Cervical spine disorders on 15th October.
2. Cylotho on 16th October 2023.
3. CME on Rheumatoid Arthritis on Occasion of World Arthritis Day 12th October.
4. World Osteoporosis Day on 20th October 2023.
5. Workshops on Autologous live cultured Osteoblast concentrate for AVN and Live cultured Chondrocytes for Articular cartilage degeneration for Medical students during their annual function -ORIANA.
6. Combined workshop on Regenerative Medicine on 19 Jan 2024 at KORBA as a pre conference activity during CGIOACON 2024 on Regenerative Medicine.
7. The Department is recognized for running PhD Orthopaedics course for Orthopaedic surgeons.
8. First Batch with Orthopaedics as a separate subject in MBBS passed in December 2023.

9. Bruce Smith from Cure Foundation, USA visited us and spoke well about our club foot clinic after evaluation.
10. Dr. Bijyendra Singh -Prof Medway merrytime hospital, Gillingham and Kings College London visited twice to AIIMS Raipur for Guest Lectures and surgeries.
4. Logbook for M.S Orthopaedic postgraduate students and MCh. academic senior residents.
5. Currently the department has 6 post-doctoral residents and 13 post-graduate students.

EDUCATION

1. Lecture for MBBS Students - 3rd, 4th, 5th year.
2. Bedside clinics for MBBS Medical Students.
3. Postgraduate (M.S Orthopaedics) classes in the form of Case presentations, Journal Reviews and seminars.
4. Post-doctoral level (MCh. Joint Replacement & Reconstruction) classes in the form of Case presentations, Journal Reviews and seminars.



CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	World arthritis day - CME in collaboration with department of medicine on managing arthritis using a team approach.	CME	12.10.23	AIIMS, Raipur
2.	World Spine Day - CME- Focus on cervical spine and cycle rally the following morning.	CME	15.10.23	AIIMS, Raipur
3.	Workshop on use of cultured osteoblast and cartilage as a part of ORIANA fest.	Workshop	02.11.2023	AIIMS, Raipur

4.	Refresher Training on Ponseti method of Clubfoot management	CME	12.11.2022	CIIT
5.	First Aid and trauma management induction classes for the Interns	Demonstrations	Jan 2024	AIIMS, Raipur
6.	Hands only CPR training for school children- Jagdalpur	Demonstrations	Aug 2023	IOA, Raipur chapter
7.	Mid year meeting on Hip preservation techniques	Conference workshop	01.07.2023-02.07.2023	Pediatric Orthopaedic Society of India
8.	World Arthritis day 2023	CME	12.10.2023	Dept of Orthopaedics, and Medicine AIIMS, Raipur.
9.	Research Methodology	Workshop	06.11.2023-07.11.2023	Institute Research Cell, AIIMS, Raipur
10.	HOCPR master trainer	Workshop		AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Alok C. Agrawal

S. No.	Title	CME/Conference	Date	Organized By
1.a	Management of Clubfoot by Ponseti Method: Botox versus Tenotomy	MOACON 2024 - The Majestic	29.03.2024 to 31.03.2024	Maharashtra Orthopaedic Association
1.b	Management of neglected clubfoot in adults by JESS			
2.	Stem cells & Orthobiologics	AIIMS Patna & Indian Stem Cell Study Group Association Conclave 2024	03.03.2024	Department of Orthopaedics All India Institute of Medical Sciences Patna
3.	Role of live cultured Osteoblast concentrate in Sickle cell Pt with AVN	CGIOACON, Korba 2024	19.01.2024 to 21.01.2024	Association of Orthopaedic Surgeon, Korba

4.a	Limbsalvage with ECRT	68 th (LXVIII) Annual Conference of the Indian Orthopaedic Association, Lucknow	13.12.2023	Indian Orthopaedic Association
4.b	Botox versus Tenotomy in idiopathic Club Foot		to 18.12.2023	
5.a	Management of Periathritis shoulder & PRP	ISCSG conference	22.12.2023	AIIMS, New Delhi
5.b	Orthobiologics for Sickle Cell Anemia AVN			
6.	Botox vs Tenotomy in Clubfoot	43 rd SICOT Orthopaedic World Congress, Cairo, Egypt	18.11.2023 to 25.11.2023	Société Internationale de Chirurgie Orthopédique et de Traumatologie
7.	Clubfoot management by Ponseti method: Tenotomy versus Botox	22 nd Annual Conference of Central Zone of IOA, Jaipur	25.08.2023 to 27.08.2023	Indian Orthopaedic Association
8.	Reduce patient suffering by avoiding complications	CEZCON 2023 at Jaipur	25.08.2023 to 27.08.2023	CEZCON Jaipur

Dr. Sandeep K Nema

S. No.	Title	CME/Conference	Date	Organized By
1.	Computer navigation in cervical spine injuries	CME on World Spine Day 2023	15.10.2023	AIIMS, Raipur

Dr. Bikram Keshari Kar

S. No.	Title	CME/Conference	Date	Organized By
1.	Cervical Myelopathy	CME on World Spine Day 2023	15.10.2023	AIIMS, Raipur

Dr. Harshal S. Sakale

S. No.	Title	CME/Conference	Date	Organized By
1.	Cervical spine Ailments in Rheumatoid Arthritis	World arthritis day - CME in collaboration with department of medicine on managing arthritis using a team approach	12.10.2023	Department of Orthopaedics and Department of Medicine
2.	Role of PRP in OA Knee	CGIOACON 2024-Korba	19.01.2024 - 21.01.2024	Chhattisgarh Orthopaedics Society

Dr. Alok Rai

S. No.	Title	CME/Conference	Date	Organized By
1.	DAA in THA	Conference	May 2023	NZOA
2.	THA in Pipkin type IV Fracture	Conference	May 2023	APOA
3.	HALO Cervical traction	World spine decision 23	15.10.2023	Dept of Orthopaedics, AIIMS, Raipur

Dr. Arkesh M

S. No.	Title	CME/Conference	Date	Organized By
1.	DDH current concepts	KAOCON 2024	02.02.2024	Karnataka Orthopaedic Association
2.	Juvenile inflammatory arthritis	World Arthritis day 2023	12.10.2023	Dept of Orthopaedics, and Medicine AIIMS, Raipur.
3.	Congenital Muscular Torticollis	World spine day 2023	15.10.2023	Dept of Orthopaedics, AIIMS, Raipur
4.	Common pediatric elbow injuries	OASISCON 2023	02.09.2023	Orthopaedic Association of South Indian states

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Anupam Inamdar	AVN and its implications in Chhattisgarh	CGIOCON 2023	19.01.2024	CGIOA
2.	Vidit Agrawal	Comparison of inflammatory markers level in pre-operative and post operative cases of diaphyseal femur fractures in tertiary care centre	CGIOCON 2023	19.01.2024 to 21.01.2024	CGIOA
3.	Dikshant Saini	Estimation of serum osteopontin in primary osteogenic sarcoma	CGIOCON 2023	19.01.2024 to 21.01.2024	CGIOA
4.	Vidit Agrawal	Comparison of inflammatory markers level in pre-operative and post operative cases of diaphyseal femur fractures in tertiary care centre	OOACON 2023	14.01.2024 to 16.01.2024	OOA
5.	Rajkiran Moti	Comparison of functional outcome of all Inside versus transportal technique of arthroscopic anterior cruciate ligament reconstruction - Randomised controlled trial	MPIOACON	Oct 2023	MPIOA
6.	Dikshant Saini	Estimation of serum osteopontin in primary osteogenic sarcoma	MPIOACON	Oct 2023	MPIOA
7.	Vidit Agrawal	Comparison of inflammatory markers level in pre-operative and post operative cases of diaphyseal femur fractures in tertiary care centre	MPIOACON	Oct 2023	MPIOA

8.	Bhasker Rai	Analysis of functional outcome following internal fixation of intra articular distal femur fractures in a tertiary care centre	MPIOACON	Oct 2023	MPIOA
9.	Shubham Sakarkar	Poster presentation on Case series on ACL, PCL and LCL reconstruction- Single stage reconstruction	CGIOCON 2023	19.01.2024 to 21.01.2024	CGIOA
10.	Anuj Baghel	Poster presentation on Giant cell Tumor of Distal Radius	CGIOCON 2023	19.01.2024 to 21.01.2024	CGIOA
11.	Dr Rudra Narayan Dash	Clinical Features of Rheumatoid Arthritis	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
12.	Dr Shubham Bhardwaj	Clinical Features of Seronegative Arthropathies	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
13.	Dr Somok Banerjee	Surgeries for Foot Ailments in RA	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
14.	Dr Punit Gaurav	Surgeries for Hand Ailments in RA	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
15.	Dr S Lohitesh	Surgeries for Hip Ailments in RA	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
16.	Dr Ankit Kumar Garg	Surgeries for knee Ailments in RA	CME on World Arthritis Day 2023	12.10.2023	AIIMS, Raipur
17.	Dr Ankit Kumar Garg	Epidemiology of Osteoporosis	CME on Osteoporosis		AIIMS, Raipur
18.	Dr Alok C Agrawal	Recurrence in Giant Cell Tumours: Causes and Management	SICOT Egypt	e-Poster	AIIMS, Raipur
19.	Dr Alok C Agrawal	Ipsilateral Elbow and Distal Radial Injuries: Experience with Management	SICOT Egypt	e-Poster	AIIMS, Raipur

20.	Dr Alok C Agrawal	Estimation of Plasma Interleukin-33 Level in Sickle Cell Disease Patients with and without Hip Osteonecrosis	SICOT Egypt	e-Poster	AIIMS, Raipur
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Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Comparison of functional outcome of Total Hip Arthroplasty via Anterolateral approach versus Posterior approach: A Randomized Controlled Trial.
2.	Comparison of functional and radiological outcomes of primary total knee arthroplasty via Mini Subvastus Approach versus Medial Parapatellar Approach: A randomized control trial.
3.	A study to compare the Functional and Radiological outcome of Cemented and uncemented Stem in Total Hip Arthroplasty done for Avascular Necrosis of femoral head in patients of Sickle Cell disease; A randomized Prospective clinical trial.
4.	Comparative study for Clinical and functional outcome after intra-articular Platelet Rich Plasma injection versus intra-articular Hyaluronic acid injection in the management of early Osteoarthritis Knee- A Randomized controlled trial.
5.	Comparative analysis of functional and radiological outcomes in tibial diaphyseal fracture treated by intramedullary interlock nailing via supra patellar vs infra patellar approach: a randomized control trial.
6.	Evaluation of functional and radiological outcome of Osteoarthritis knee treated by high tibial osteotomy by Tomofix plate vs Dr. Saigal's HTO plate.
7.	Assessment of the role of pirani and dimeglio scoring system in the correction of idiopathic club foot by ponseti method.
8.	A cross sectional study to determine usable semitendinosus tendon length in a cohort of patient undergoing anterior cruciate ligament reconstruction with hamstring graft.
9.	A prospective study to assess the quality of life in patients of inflammatory arthritis undergoing total hip arthroplasty.
10.	Evaluation of functional and radiological outcomes of open tibia fractures treated with external fixator vs supracutaneous plate-A prospective study.
11.	A Randomized Control Trial comparing functional and radiological outcomes in management of intertrochanteric fractures of femur using dual screws without cementation vs. dual screws with cementation.

12.	Correlation of serial monitoring of intra-compartmental pressure with lab parameters in clinically diagnosed compartment syndrome.
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Completed

S. No.	Project
1.	Comparison of radiological and functional outcome of metal backed fixed bearing tibial base plate all poly tibia in total knee replacement.
2.	Comparison of inflammatory markers level in pre-operative and post operative cases of diaphyseal femur fractures in tertiary care centre.
3.	Comparison of functional outcome of all Inside versus transportal technique of arthroscopic anterior cruciate ligament reconstruction - Randomised controlled trial.
4.	Analysis of functional outcome following internal fixation of intra articular distal femur fractures in a tertiary care centre.
5.	Estimation of serum osteopontin in primary osteogenic sarcoma.
6.	Measurement of 2 nd Metatarsal length and its clinical significance.

PUBLICATIONS

1. Agrawal AC, Sakale H, Garg AK, Inamdar A. Short-term Follow-up of Autologous Adult Live-Cultured Osteoblasts Implantation in Avascular Necrosis of Femoral Head Secondary to Sickle Cell Anemia-Case Series. *J Orthop Case Rep.* 2023 Apr;13(4):57-61. doi: 10.13107/jocr.2023.v13.i04.3616. PMID: 37193380; PMCID: PMC10182572
2. Agrawal AC, Rai B, Rai A, Sakale H, Garg AK. Total Hip Arthroplasty in Neglected Acetabular Fracture with Pipkin Type 4 Femoral Head Fracture. A Case Report. *J Orthop Case Rep.* 2023 Nov;13(11):162-166. doi: 10.13107/jocr.2023.v13.i11.4046. PMID: 38025366; PMCID: PMC10664229.
3. Agrawal AC, Garg AK. Epidemiology of Osteoporosis. *Indian J Orthop.* 2023 Nov 18;57(Suppl 1):45-48. doi: 10.1007/s43465-023-01012-3. PMID: 38107804; PMCID: PMC10721571.
4. Nema SK, Austine J, Ramasubramani P, Agrawal R. Ultrasound-Guided Manipulation does not Prevent Malalignment Over Landmark-Based Fracture Reduction in Distal Radius Fracture (Colles). *J Emerg Trauma Shock.* 2023 Apr-Jun;16(2):35-42. doi: 10.4103/jets.jets_157_22.
5. Rai, Alok & Chouhan, Dushyant & Nema, Sandeep & Madegowda, Arkesh & Narayan, Rudra & Kar, Bikram & Kumar, Sandeep. (2024). Latarjet operation carries three times the risk of failure in seizure versus non-seizure recurrent anterior dislocation of the shoulder joint: outcome of a systematic

review with meta- analysis. *Clinics in Shoulder and Elbow*. 10.5397/cise.2023.00948.

6. Theranostics : A Novel And Targeted Approach To Problem Solving And Its Applications In Orthopaedics : An Overview Kar BK, Bhardwaj S, Gaurav P, Chouhan D. Theranostics: A Novel and Targeted Approach to Problem Solving and Its Applications in Orthopaedics: An Overview. *Int J Sci Res*. 2023 Dec;12(12):[page range]. ISSN 2277-8179.
7. Jain M, Sakale H, Sriramka B, Shyam A. Surgeon Burnout-Time to Heal the Healers. *Journal of Orthopaedic Case Reports* 2024 February;14(2):5-6.
8. Diwan S, Sahoo R, Madegowda A, Gaikwad A, Dongre H, Patwardhan S, et al. Pulsed radiofrequency ablation of the lumbar and sacral plexus for intractable pain in pediatric patients. *Indian J Pain* 2023;37:S70?2
9. Artificial Intelligence in Healthcare by Bhanot publication, India Author: Prof. Dr. Alok C Agrawal
10. Malhotra, R., Gautam, D., Rai, A. (2023). Implant Selection and Rationale for Use in Primary Total Hip Arthroplasty. In: Sharma, M. (eds) *Hip Arthroplasty*. Springer, Singapore. https://doi.org/10.1007/978-981-99-5517-6_15

ACHIEVEMENTS

Prof. Dr. Alok C. Agrawal

1. Awarded with Fellowship in International Medical Sciences [FIMSA].
2. President of Chattisgarh Orthopaedics Society President of Indian Stem cell Study Group.
3. President ISCSG Association.
4. Editor IMA State Newsletter.
5. Hon Professor National IMA Academic Cell.
6. Associate Editor IJO Hand Section.
7. Vice President Indian Orthopaedic Rheumatology Association.
8. Convenor NAMS India for Bihar and CG.

Prof. Dr. Sandeep Nema

1. Attended the Ganga arthroscopy course at

Ganga Hospital Coimbatore Tamil Nadu India.

Dr. Bikram Keshari Kar

1. Organizing Secretary for Cycle Rally & CME on Back Pain on World Spine Day 16.10.23.

Dr. Harshal S. Sakale

1. Awarded with Presidential Appreciation Award CGIOACON 2024 Korba.
2. Selected for IOA Arthroplasty fellowship - International.
3. Organizing Secretary CME On Rheumatoid Arthritis 12.10.24
4. Organizing Secretary CME on Regenerative medicine 19.01.24 CGIOACON 2024 - Korba

Dr. Alok Rai

1. Attended the IOACON LKO AND IASCON 2023 at KGMU LKO INDIA
2. Selected as J and J fellow of Indian Orthopaedic Association.

Dr. Dushyant Chouhan

1. "Total Hip Athroplasty In failed Complex

Acetabulum fracture fixation" in Hip Symposium organised by CGOA at Raipur.

2. Ganga arthroscopy course at Ganga Hospital Coimbatore Tamil Nadu India 22-24 March 2024
3. IASCON LUCKNOW 1st - 3rd Sep 2023

PATIENT CARE

	OPD	IPD	Minor OT	Major OT	Tests	Special Clinics	Or any other facility
Total	54296	1607	1375	11045	Core Needle Biopsies 58, Spinal Biopsies 06	Club Foot Clinics 326	THR-260, TKR-150, Bone Tumour Surgeries-60, Arthroscopies-100, Spine Surgeries-60, Regenerative Medicine and its application-300, Prlvi-acetabular surgeries-24,

DEPARTMENT OF PAEDIATRIC MEDICINE

Professor & Head

Prof. (Dr) Anil K. Goel

Additional Professors

Dr. Atul Jindal

Dr. Tushar Jagzape

Associate Professors

Dr. Sunil Jondhale

Dr. Tripty Singh

Dr. Manas Ranjan Sahoo

Assistant Professor

Dr. Simran Syal

HIGHLIGHTS

The Department is actively involved in education and training of the **undergraduate, postgraduate, DM, nursing and PDCC students** including various research activities, both intra and extramural funded studies.

The Department is also involved in creating and supporting health awareness in the Institute and society through outreach activities. To name few:

1) Inauguration of **SMART Unit** (Severe Acute Malnutrition Referral and Advance Treatment Unit) & **IYCF Skill Lab** at AIIMS Raipur. A State Centre of Excellence for Nutrition Interventions (SCoE4N) has been established under the Department of Pediatrics at AIIMS Raipur. It is a joint undertaking of AIIMS Raipur, NHM, DWCD & UNICEF Chhattisgarh. A SMART Unit has been set up under the SCoE4N for the management of SAM children with medical complications, especially those referred from NRCs and other facilities. Structure of SCoE4N is a

strategic amalgamation of curative and preventive services focused on curbing child malnutrition in Chhattisgarh. Capacity building and community mobilization is the intrinsic component to its functioning apart from policy making, advocacy and research.

2) Between April 2023 to March 2024 various trainings and awareness programs were organized with support from UNICEF & NHM. Tele-monitoring of 106 NRCs by SCoE4N.

3) IYCF Tele mentoring of counsellors of DH, CHCs.

4) Network of 21 District and Block Nutrition Coordinators- Supporting convergence of Health and DWCD in districts for nutrition programme- IYCF, SAM Management, AMB and other, monitoring of >1100 AWCs and other programme, DWCD for roll out of CSAM programme and DWCD for strengthening Poshan Tracker, Training of >22,000 AWWs. A total 6998 Anganwadi Workers, 670 Lady Supervisors, 55 CDPOs, 135 BMO/MOs, 878 CH0 / RHO(M)/ ASHA and 440 ANM have been trained so far.

Activities done under State Centre of Excellence for nutrition Intervention (SCoE4N)

Activates of SCoE4N month wise				
Months	Activities conducted	Target group	Objective	Supported by
May 23	CSAM orientation	District & block nutrition coordinator	CSAM Programme Orientation	UNICEF, CG
June 23	IYCF orientation (batch 1)	District & block nutrition coordinator, Pediatrician, MO & MPH students	IYCF Programme orientation	BPNI, Maharashtra, UNICEF CG
	IYCF orientation (batch 2)	District RMNCH Counsellor		
July 23	Visit at NCoE, Kalawati Saran Children's Hospital, New Delhi	SCoE4N team	Hands on training on FSAM, IYCF & CSAM Program	UNICEF, CG, NCoE
Aug-23	Inauguration of SMART unit	SAM Child	SMART unit	UNICEF, CG
Oct-23	IYCF orientation	Nursing officers Dept of OBGY	IYCF Programme orientation	UNICEF, CG
Nov-23	FSAM Orientation	Pediatrician & MO	FSAM program orientation	NCoE, New Delhi
Jan-24	IYCF orientation	RMNCH Counsellor	IYCF Programme orientation	UNICEF, CG
Mar-24	Celebration of Women's Day	Adolescent & Pregnant women	Awareness of anemia & Nutrition	UNICEF, CG, Dept of OBGY
Apr-24	Lecture series of IYCF & CSAM & FSAM	Nursing students, AIIMS, Raipur	Programme Orientation	UNICEF, CG

EDUCATION

The Department is successfully running the DM courses in Pediatric Emergency Medicine, Pediatrics Critical Care, & PDCC (fellowship) in Pediatric cardiac critical care. Academic activities are being conducted regularly thrice in a week each for MD and DM (both PEM & PICU) apart from Clinical grand round and CPC (PEM & PICU) with reputed INI of the country. Regular monthly

internal assessment of the MD students are conducted (targeted theory text reading) in the MCQ format. The Department is encouraging MD and DM students (preferably Final year) for participating in the national conferences and presenting papers (Interim analysis of the thesis). Last year Dr Dilip Kumar, DM SR (PEM) and Dr Shirisha (MD) got Gold medal in national conference of IAP PEM and CG Pedicon respectively. The Department has conducted the

PG induction program on 23.09.2023, 07.03.2024 & 09.03.2024 The Department has successfully conducted internship induction program and delivered lectures on 'Recognition of a sick child in

the ER'. PDCC (fellowship) course in Hematology & oncology has been approved and will be started soon.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	PALS IAP	Workshop	04.06.2023-06.06.2023	In collaboration with central IAP
2.	Integration of learnings from Covid-19 with RI strengthening	Workshop	27.07.2023	In collaboration with WHO
3.	IAP ALS Course for Nurses	CME	27.05.2023	Central IAP
4.	IAP ALS Course for Doctors	CME	03.06.2023-04.05.2023	Central IAP

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anil K. Goel

S. No.	Title	CME/Conference	Date	Organized By
1.	Early initiation of breast feeding at facility and community setting- why it is important	Orientation programme of District & Block nutrition coordinator	26.05.2023	SCOE4N, AIIMS, Raipur
2.	Ketorolac or Morphine! Paradigm shift in severe pain crisis in children with sickle cell Disease?	EMINDIA 23	26.08.2023 (Selected as BEST OF INDIA top 10)	INDUS EM and EMA
3.	"Antibiotics and the Golden hour" in ER	EMINDIA 23	26.08.2023	INDUS EM and EMA
4.	Time Management during Post graduation period	PG Induction programme	12.10.2023	AIIMS, Raipur

5.	Academics for Pediatric Trauma and Emergency Medicine- Starting Fellowships and DM courses- Where do we stand & how do we proceed further	Brainstorming Session for Pediatric Trauma & Emergency Medicine	30.09.2023	AIIMS, Bhopal
6.	Antibiotics & golden hour management in ER	CG Pedicon	05.11.2023	CG IAP
7.	Triage & Transport	PTRM workshop	08.11.2023-09.11.2023	National Institute of Health and Family welfare Delhi
8.	Scope of PEM in INDIA	IMSACON 2023	03.12.2023	International Medical Sciences Academy - Rajasthan Chapter & Mahatma Gandhi University of Medical Sciences & Technology
9.	Recognition of sick child in ED	Online	09.12.2023	EMA East Zone
10.	Pediatrics X-ray Review	Online	11.12.2023	EMCORD, INDIA
11.	Pediatrics ECG Review	Online	15.12.2023	EMCORD, INDIA
12.	Sick child in ER	Internship induction program	15.01.2024	AIIMS, Raipur
13.	Monitoring in ER: Neuro monitoring	PEDICON 2024	25.01.2024	Central IAP

Dr. Tushar Jagzape

S. No.	Title	CME/Conference	Date	Organized By
1.	Causality Assessment and Follow up of AEFI cases	Workshop on Integration of learning from COVID-19 with RI strengthening	27.07.2023	WHO-NHM-CG-Government-Raipur
2.	Clinical vignette/ MCQs relevance and types	Workshop on assessment methods- MCQs- clinical vignette National conference on Pediatric Education (NCPE) -2023	13.10.2023	Pramukhswami Medical College, Bhaikaka University, Karamsad, IAP- Medical Education Chapter

3.	Dos And Don'ts in Formation Of Clinical Vignettes	Workshop on assessment methods- MCQs- clinical vignette National conference on Pediatric Education (NCPE)-2023	13.10.2023	Pramukhswami Medical College, Bhaikaka University, Karamsad, IAP- Medical Education Chapter
4.	E-waste and Child Health	PEDENVECON -2023 Annual Conference of Environment and Child Health group of IAP	29.10.2023	Environment and Child Health Chapter IAP and Divecha Centre of climate change, IISC, Bangalore

Dr. Atul Jindal

S. No.	Title	CME/Conference	Date	Organized By
1.	Recognition of Sick Child	IAP ALS Instructor Course	09.07.2023	AIIMS, Bhopal
2.	TB Chhattisgarh Experience	National Task Force meeting	21.09.2023-23.09.2023	NTP, Bangalore
3.	Status Epilepticus - Recent Advances	CG PEDICON	04.11.2023-05.11.2023	CGIAP
4.	"Use of Biomarkers in Sepsis: Clinical Relevance and Limitations"	25 th National Conference of Pediatric Intensive Care Chapter of India (PEDICRITICON-23)	30.11.2023-04.12.2023	Indian Academy of Pediatrics
5.	Neurological Emergencies; Pediatric Neuro code red	61 st National Conference of the Indian Academy of Pediatrics	25.01.2024-28.01.2024	Indian Academy of Pediatrics
6.	Ventilator Trouble Shooting	4 th Pulmonary Update	10.03.2024	Department of Pulmonology, AIIMS, Raipur

Dr. Manas R. Sahoo

S. No.	Title	CME/Conference	Date	Organized By
1.	Interesting cases from PICU	OdiPedicon	09.12.23	IAP Rourkela
2.	Access of Kidney care to children in Chhattisgarh	World Kidney Day	10.03.24	Nephrology Department, AIIMS, Raipur
3.	Management of Childhood Tuberculosis	Tuberculosis Symposium 2024	30.03.24	NTEP unit, Department of Pulmonary, Critical Care and Sleep Medicine

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Shirisha K., Jagzape T, Goel A K, Gaikwad N R	Efficacy of oral mefenamic acid as an antipyretic in comparison to oral paracetamol in pediatric patients with acute febrile illness: An open label randomized controlled trial	CG Pedicon 2023	05.11.2023 (NG Prasanna Gold Medal)	CG Academy of Pediatrics
2.	Silpa T, Jagzape T	Spectrum of hepatobiliary involvement in children with sickle cell disease / Trait admitted in a tertiary care centre in central India 26 th Annual Pediatric Hematology oncology conference.	PHOCON-2023	24.11.2023- 26.11.2023	Pediatric Hematology-Oncology chapter- IAP
3.	Jindal A, Anand R, Agarwal N	"Extremist hit and difficult to reach terrains: Providing intensive care with telemedicine and quality improvement package"	CG PEDICON	04.11.2023- 05.11.2023	CG Chapter of IAP

4.	Jindal A, Anand R, Agarwal N	A hybrid form of telemedicine and quality improvement: a unique way to extend intensive care services in medically underserved areas	61 st National Conference of the Indian Academy of Pediatrics	25.01.2024-28.01.2024	Indian Academy of Pediatrics
5.	K. Pratyusha, Jindal A, Sahoo MR	Early versus conventional initiation of renal replacement therapy in children with AKI - a randomized controlled trial - interim analysis	First International Pediatric critical care nephrology conference held in London, 2023	27.07.2023-29.07.2023	King's College London, and ESPNIC
6.	K. Pratyusha, Jindal A, Sahu MR	Profile of children undergoing plasma exchange from a tertiary care center in central India - A retrospective analysis	25 th National Conference of Pediatric Intensive Care Chapter of India (PEDICRITICON-23)	30.11.2023-04.12.2023	Indian Academy of Pediatrics
7.	K. Pratyusha, Jindal A, Sahu MR	Who's blocking the way?? It's PDA - a case report of persistent left lung collapse due to patent ductus arteriosus	25 th National Conference of Pediatric Intensive Care Chapter of India (PEDICRITICON-23)	30.11.2023-04.12.2023	Indian Academy of Pediatrics
8.	K. Pratyusha, Jindal A, Sahoo MR	Early versus conventional initiation of renal replacement therapy in children with AKI - a randomized controlled trial	Chhattisgarh young scientist congress - 2024	26.02.2024-27.02.2024	NIT Raipur and CG COST
9.	Abinaya K, Jindal A, Sahoo MR	Lung and diaphragm protective ventilation by titrating ventilatory pressures according to diaphragmatic efforts in children - Randomized controlled trial	Chhattisgarh young scientist congress - 2024	26.02.2024-27.02.2024	NIT Raipur and CG COST

10.	Abinaya K, Jindal A, Sahoo MR	Genomics a magnificent tool	25 th National Conference of Pediatric Intensive Care Chapter of India (PEDICRITICON -23)	30.11.2023-04.12.2023	Indian Academy of Pediatrics
11.	Verma S, Jindal A, Sahoo MR	Retrospective analysis of micro-organism profile in a pediatric intensive care unit in central India: 1 year evaluation	25 th National Conference of Pediatric Intensive Care Chapter of India (PEDICRITICON -23)	30.11.2023-04.12.2023	Indian Academy of Pediatrics
12.	Siddannagoud S, Jindal A, Sahoo MR	Thrombotic microangiopathy following snake bite, is this time to think beyond ASV?	PAC Acute care Nephrology masterclass 2024	12.03.2024-15.03.2024	Mehta Children Hospital Chennai and IAP Chennai
13.	Angadi V, Jindal A, Sahoo MR	Sodium symphony: Harmonizing therapeutic interventions in ICU challenges	PAC Acute care Nephrology masterclass 2024	12.03.2024-15.03.2024	Mehta Children Hospital Chennai and IAP Chennai
14.	Dilip Kumar V, Jindal A, Sahoo MR, Rathod V	Clinical profile of children undergoing renal replacement therapy from a tertiary care center in central India: A retrospective study	First International Pediatric critical care nephrology conference held in London, 2023	27.07.2023-29.07.2023	King's College London, and ESPNIC
15.	Ayushie J, Jindal A, Padhi P, Sahoo MR	Comparison of Effectiveness of 7 days vs 14 days course of intravenous antibiotics in the treatment of uncomplicated neonatal bacterial sepsis: A randomized controlled trial	19 th Chhattisgarh young scientist congress - 2024	26.02.2024-27.02.2024	NIT Raipur and CG COST

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Adaptive, randomized, active-controlled, open-label, sequential cohort, multi center study to evaluate the efficacy, safety, tolerability, and pharmacokinetics of intravenous cipargamin (KAE609) in adult and Pediatric participants with severe plasmodium falciparum malaria (KARISMA - KAE609's role in severe malaria) Sub: Protocol CKAE609B12201	Anil K Goel	Novartis Pharma India Limited	2 years	2022-2024	9,53,390
2.	Randomized, Double-Blinded, Placebo-Controlled Study to Evaluate the Safety, Tolerability, and Efficacy of Intravenous Varespladib Followed by Oral Varespladib in Addition to Standard of Care in Subjects Bitten by Venomous Snakes (BRAVIO - Broad-spectrum Rapid Antidote: Varespladib IV to Oral Trial for snakebite) Protocol Number: OPX-PR-03	Anil K.Goel	Syneos Health	2 Years	2023-2025	3,90,860
3.	Quality Improvement in Maternal and newborn care	Atul Jindal	UNICEF	5	2023-2028	50 Lacs
4.	"Setting up of registry for renal complication in Indian children with sickle cell disease, the Indian sickle cell nephropathy (ISN) Consortium."	Atul Jindal	ICMR	3	2021-2024	63 Lacs

5.	A phase 3, open label, randomized, active-controlled trial evaluating the immunologic non-inferiority, safety and tolerability of a 15-valent pneumococcal conjugate. Vaccine manufactured by: Tergene biotech pvt. ltd., India compared to prevnar 13®: a 13-valent pneumococcal conjugate vaccine distributed by: wyeth limited, India in healthy infants given with routine pediatric vaccinations.	Atul Jindal	Tergene Biotech	1 year	2023-2024	3 Lacs
6.	A phase-III, randomized, double-blind, active controlled, multi-centre, clinical trial to evaluate the immunogenicity and safety of quadrivalent seasonal influenza virus-like particle (VLP) Vaccine of Cadila Pharmaceuticals Limited, India, in healthy human population.	Atul Jindal	Cadila	1 year	2023-2023	1.5 Lacs
7.	A multicentre, open-label, non-comparative phase IV clinical study to evaluate the safety and clinical efficacy of augmentin extra strength (ES)-600(amoxicillin/potassium clavulanate 14:1 combination) in children with acute respiratory tract infections (ARTIs) in India	Atul Jindal	GSK	6 Months	2023-2024	3 Lacs
8.	MP SNCU peer mentoring - quality improvement project	Atul Jindal	MP NHM	2 Years	2023-2025	1.28 Crores
9.	Systematic screening for presumptive paediatric tuberculosis patients and nasopharyngeal aspirate specimen collection in durg district hospital, Raipur district hospital & Aiims Raipur pediatric department, Chhattisgarh, India to improve tuberculosis diagnosis : a feasibility study	Dr Manas Ranjan Sahoo	NHM, State TB Cell	1year	2024-2025	within 2 lakh
10.	Screening for Latent Tuberculosis in high risk children using CTb test in District Hospital Durg, Raipur and AIIMS Pediatrics Department, Chhattisgarh	Dr Manas Ranjan Sahoo	NHM, State TB Cell	1year	2024-2025	within 2 lakh

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Quality improvement amongst nursing students for pediatric triaging: an inter-rater reliability assessment at pediatric emergency medicine of AIIMS, Raipur.
2.	Conventional versus intra nasal midazolam and intra nasal ketamine for pediatric elective procedural sedation and analgesia - A randomised controlled trial.
3.	Comparison of effect of pre hospital care and transport via ambulance versus non ambulance in clinical outcome of sick patients coming to pediatric emergency at a tertiary care hospital of central India: a prospective cohort study.
4.	Low dose versus conventional dose zinc acetate therapy in management of acute diarrhea and its effect in next 3 month in children- A randomized controlled trial.
5.	Determinants of infection for initiation of antibiotics in children attending Pediatric emergency in the golden hour.
6.	Profile of chronic kidney disease in pediatric patients visiting a tertiary care hospital in central India -an ambispective study.
7.	Evaluation of body composition and it's changes with treatment in children with nephrotic syndrome: A prospective observational study.
8.	Quality of life in pediatric cancer patients receiving chemotherapy in a tertiary care hospital in central India.
9.	Outcome of post cardiopulmonary resuscitation in pediatric population in a tertiary care hospital in central India-an observational study.
10.	Outcome of pediatric cardiac surgery and predictors of major complications at a tertiary care centre.
11.	Continuous versus intermittent enteral tube feeding in critically ill children- An open label randomized control trial.

Completed

S. No.	Project
1.	To study the determinants of different crisis in sickle cell disease in Pediatric population attending a tertiary care centre of central India.
2.	Determinants of acute kidney injury in children admitted with nephrotic syndrome in the department of Paediatrics in a tertiary care hospital of central India.
3.	Tracheal ultrasound versus clinical evaluation for identifying site and depth of endotracheal tube: A Randomised control trial.

4.	Development of team triaging approach and study its effectiveness in paediatric emergency- a quasi-experimental study.
5.	Determination of prognostic utility of pSOFA score along with CRP in children with septic shock at ED admission.
6.	Clinico-epidemiological profile of pediatric rheumatological diseases in a tertiary care center- non funded intramural project.
7.	A phase 3, observer blind, randomized, active-controlled trial evaluating the immunologic non-inferiority, safety and tolerability of a 15-valent pneumococcal conjugate vaccine compared to a 13-valent pneumococcal conjugate vaccine in healthy infants given with routine pediatric vaccinations.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	"National Registry on COVID-19 infection among pregnant and their neonates" Multi Centre ICMR Project	Obstetrics and Gynaecology
2.	A non -inferiority randomized trail to assess the efficacy of 10 mg hydroxyurea/kg/day versus 20mg/kg/day in treatment of sickle cell disease patients of tribal and non-tribal areas in India	Biochemistry

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	An Indian Multi-centric Phase IV study to assess the safety of Crizanlizumab with or without hydroxyurea therapy in sickle cell disease patients with vaso-occlusive crises.	General Medicine

PUBLICATIONS

1. Kumar P, Sinha RK, Arora S, Sarwal R, Sultana F, Daniel A, **Goel AK** *et al.* View-points from the national consultation on addressing acute malnutrition on mainstreaming community based program for management of acute malnutrition in India. *Indian J Community Med* 2023; 48:71.
2. Venkatesan DK, **Goel AK**, Pratyusha, K. FOCUS more on POCUS. *Indian J Crit Care Med* 2023;27(3):225.
3. Venkatesan DK, **Goel AK**. Fluid Bolus - How Much More? *Indian J Crit Care Med* 2023;27(4):296.
4. Mathew P J, **Jagzape T B**, **Goel AK**, *et al.* Social and Demographic Factors Associated With Obese Children in the Age Group of 6-12 Years Attending a Tertiary Care Institute in Central India and the Prevalence of Depression in These Children: An Observational Study. *Cureus* 2023;15(7): e41749.
5. Rathia S K, TP M, Anand V, **Goel AK** *et al.* Trivial Blunt Chest Trauma Leading to Acute Respiratory Distress Syndrome in a Child. *Cureus* 2023; 15(7): e42132.
6. Anand V, Dey CK, Shukla A, TMurugan, T P, Rathia SK, Barman S, **Goel AK** *et al.* Knowledge, Awareness, and Under-standing of Pediatric Triage Among Nursing Officers in India: A Multicenter Study. *Cureus*. 2023;15(9):e46102.
7. Kapil I, **Goel AK**, **Sahoo MR**. Profile of Acute Kidney Injury in the Pediatric Age Group in a Tertiary Care Hospital: A Prospective Observational Study. *Cureus* 2024; 16(2): e54236.
8. **Jagzape T B**, Pandey P, Silpa T, *et al.* Pediatric Rheumatological Diseases in a Tertiary Care Hospital of Central India: A Retrospective Clinico-Epidemiological Profile. *Cureus* 2024;16(1):e53327.
9. Mathew P J, **Jagzape T B**, **Goel AK**, *et al.* Social and Demographic Factors Associated With Obese Children in the Age Group of 6-12 Years Attending a Tertiary Care institute in Central India and the Prevalence of Depression in These Children: An Observational Study. *Cureus* 2023; 15(7): e41749.
10. Margekar P, **Jagzape TB**. Sensitization pattern to various common allergens, using allergy skin prick test in children suffering from asthma and allergic rhinitis attending asthma outpatient department, at a tertiary care hospital in Central India. *Int J Contemp Pediatr* 2023;10:1095-9.
11. Jagzape AT, Deshpande VK, **Jagzape TB**. Predictive Utility of Visula Evoked Potential in Detection of Ocular Changes in Paediatric Sickle Cell Patients: A Cross-sectional Analytical Study. *JCDR*. 2023; 17(4): CC24-CC29.
12. Sehgal IS, Agarwal R, **Jindal A**, Siddiqui MS, Mohan A *et al.* A multicentre, double-blind, placebo-controlled randomized trial of Mycobacterium w in critically ill patients with COVID-19 (ARMY-2). *Lung India* 2024;41(2):84-92.
13. Angadi VM, **Jindal A**. To C or not to C? Designing a Pragmatic Trial to Deploy a Novel Immunomodulatory Therapy to Fight Organ Dysfunction in Sepsis. *Indian Journal of Critical Care Medicine* 2024;28(3):311.

14. Kannan A, **Jindal A**. Quest for a Whimsical Prescient Tool!. *Indian Journal of Pediatrics* 2024;91(1):3-4.
15. Angadi VM, **Jindal A**. Methylene Blue in Septic Shock-A Novel Weapon in Our Arsenal: Are Utility Studies Highlighting its Futility? *Indian Journal of Critical Care Medicine* 2023;28(1):89.
16. Verma S, Pratyusha K, Kannan A, **Sahoo MR, Jindal A**. Perseverance in Persistent Pneumonia. *Indian J Pediatr* 2024;91(5):522.
17. Salotagi S, Kannan A, **Jindal A**. Lung Ultrasound Score: Does It Really Predict Extubation Failure?. *Indian Journal of Critical Care* 2023;27(11):855.
18. Gaikwad U, Bhargava A, **Jindal A**, Padhy GK, Das P *et al*. Faecal calprotectin as an inflammatory biomarker to distinguish between bacterial and viral causes of childhood diarrhoea in Indian settings. *Indian Journal of Medical Microbiology* 2023;46:100459.
19. Vaishnav K, Galhotra A, **Jindal A**, Parhad P. Profile and predictors of babies admitted to SNCUs of two tribal districts of Chhattisgarh. *Journal of Family Medicine and Primary Care* 2023;12(6):1165-71.
20. Agarwal N, **Jindal A**, Baghel R. A Curious Case of an Accented Extra Nose. *Indian Journal of Otolaryngology and Head & Neck Surgery* 2023;75(2):1060-2.
21. Gupta P, Mohapatra E, Patel S, Patnayak LL, Nanda R, Shah S, Abraham J, Behera A, **Jindal A**. Effect of the Angiotensin-Converting Enzyme (ACE)(I/D) Polymorphism in COVID-19 Patients and Their Healthy Contacts. *Cureus* 2023; 15(5): e38610.
22. Pratyusha K, **Jindal A**. Normal Anion Gap: A Knowledge Gap. *Indian Journal of Critical Care Medicine* 2023; (4):298.
23. Krishnan A, Kumar R, Amarchand R, Mohan A, *...*, **Jindal A et al**. Predictors of Mortality among Patients Hospitalized with COVID-19 during the First Wave in India: A Multisite Case-Control Study. *The American Journal of Tropical Medicine and Hygiene* 2023;108(4):727.
24. Agarwal N, **Jindal A**, Bhargava A. Delftia acidovorans: Rarely a Pathogen: A Case Report. *The Pediatric Infectious Disease Journal* 2023;42(4):e130-1.
25. Sudeepthi SV, Kannan A, **Jindal A**, Bhargava A. Coronavirus-19 and its Epidemiology in Children? An Ambispective Observational Study from Central India. *Indian Journal of Pediatrics* 2023;90(9):934-936.
26. Tiwari L, Jayashree M, **Jindal A**, Khera D, Banerjee A *et al*. Practical guideline for setting up a comprehensive pediatric care unit for critical care delivery at district hospitals and medical colleges under ECRP-II. *Journal of Pediatric Critical Care* 2023;10(2):63-71.
27. Kannan A, Pratyusha K, Thakur R, **Sahoo MR, Jindal A**. Infections in critically ill children. *Indian Journal of Pediatrics* 2023;(3):289-97.
28. Kapil I, **Goel A, Sahoo MR**. Profile of Acute Kidney Injury in the Pediatric Age Group in a Tertiary Care Hospital: A Prospective Observational Study. *Cureus* 2024; 16(2): e54236.

Abstracts Published in Journal(s):**Chapter(s) in Books**

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Goel AK	Triage & Safe Transport	Thakur N, Mishra S	Pediatric Trauma Resuscitation Manual PTRM	1st	New Delhi	Jaypee	2023	11-20
2.	Tushar B Jagzape, Manish Taywade, Pankaj Vaidya, Satish K Tiwari	Childhood Pneumonias	Dr Suraj Gupte	Recent Advances in Pediatrics	Volume 27	New Delhi	Jaypee	2023	228-248
3.	Jindal A, Kannan A.	Artificial Intelligence in Critical Care	Dr Alok C Agarwal	Artificial Intelligence	1st	Raipur	M/s Banarsidas Bhanot	2023	437-44
4.	Sahoo MR	Chronic granulomatous disease : A recent approach	Dr Serpil Ünver Saraydin	Novel Research Aspects in Medicine and Medical Science	1st	West Bengal	BP Publication	2023	92-98

PATIENT CARE

	OPD	IPD
Total	37112	2685

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Department Core

Some of the key achievements	
Sr. No.	Achievements
1.	Poshan Tracker Measuring Efficiency (for 22.5 lakh children)
2.	Enrollment of SAM children in CSAM and received services
3.	Admissions in NRC
4.	Cure rate in NRCs
5.	Anganwadi workers trained on CSAM
6.	Master trainers trained on IYCF
7.	Management of complicated SAM children in SMART unit

Dr. Anil K. Goel

1. Nominated to Editorial board of Journal 'Indian Pediatrics' in Jan 2024.
2. Fellowship (FIMSA) recognition of International Medical science Academy in 2023.
3. Secretary on Special Duty (SSD) of EMA ACEE-IAP Collaborative for Pediatric Emergency Medicine.
4. President/Chairperson Elect IAP PEM chapter. Invited as Chairperson in 1) ABCD of POCUS on Pediatrics POCUS, 2) EMINDIA23 on ALS-difficult Airway, OI and common arrhythmias, 3) EMINDIA23 on Neonatal Umbilical Cath and Resus, 4) Panel discussion on acute leukaemia organized by Department of Haematology,
5. Brain storming sessions on Paediatrics Trauma & Emergency medicine,
6. PTRM workshop on Triage & Transport,
7. PEDICON 2024 - Panellist: Management of Pediatric pain in emergency: Setting: Best Practices and Novel Approaches,
8. PEDICON 2024 - Moderator: Scope,

Opportunity and Challenges of International collaboration in Indian Pediatric Emergency Medicine Research,

9. NPEM 2024- Resource person/Faculty: Pediatric Trauma Workshop,
10. NPEM 2024 - Moderator: High-Quality Pain Management in Children,
11. NPEM 2024- Panellist: Creating a Career Path in Pediatric Emergency,
12. Tuberculosis Symposium 2024 on Management of Pediatric TB, Management of Musculoskeletal TB & TB in Health care workers,
13. dIAP on Anaphylaxis - Rapid Action Saves Life
14. Hema Quest: Annual Conference of Chhattisgarh Haematology on Approach by pediatric oncologist: red flag signs, Approach by haematologist: how to treat, Flow cytometry in diagnosis of leukaemia & Panellist: Management of relapsed B cell acute leukaemia.

Dr. Tushar Jagzape

1. Executive board member of Environment and Child Health chapter of IAP.

2. Chair-person: a) Delayed puberty: an approach to diagnosis and management at the 1st Annual conference of Chhattisgarh Obesity, Diabetes and Endocrine society. b) Cardiac arrhythmias in Pediatric age group: 2nd National Acute Care Electro Cardiology symposium. c) Forest and Innovation: New Solutions for a better world: online webinar- Environment and Child Health chapter-IAP.
3. Guest lectures: a) Causality assessment and follow up of AEFI cases: Workshop on integration of learning from COVID-19 with RI strengthening. b) workshop on assessment methods: MCQs clinical vignetter-National conference on Pediatric Education (NCPE-2023)- IAP MEU chapter. c) Panel discussion; NeXT Gen Education Exploring the transformative implication of NeXT on learning. d) E-waste and child health - PEDENVECON 2023: Annual conference of Environment and Child Health IAP- Divecha Centre of climate change IISC, Bangalore.
4. Subject expert for walk in interview for faculty post in Pediatrics.

Dr. Atul Jindal

1. Received Best Oral Paper Award By Indian

PUBLIC AWARENESS ACTIVITIES

World ORS day and ORS week was celebrated on 29th July 2023 and corresponding week. Awareness lecture on the importance of ORS in prevention of diarrheal deaths due to dehydration and demonstration of ORS preparation and use were conducted in the Pediatric OPD for an entire week and surrounding sub centers. World Breast Feeding week was celebrated from 1st to 7th August 2023. Various activities in the form of Nukkad natak, poster competitions and awareness talk were arranged for

Academy of Pediatrics at 61st National Conference of the Indian Academy of Pediatrics, Kochi, Kerala.

2. Received Rajnandgaon Gold Medal Award for best Research Paper by Chhattisgarh Branch of Indian Academy of Pediatrics.
3. Guided DM Student Dr Pratyusha K for Ramesh Rupesh Research Award in the First International Pediatric critical care nephrology conference held in London, 2023 organised by Kings College London.
4. Guided DM Student Dr Abinaya K for 2nd Place in 19th Chhattisgarh Young Scientist Congress, 2024 organised by NIT and CG-COST.
5. Guided DM Student Dr Pratyusha K for 3rd Place in 19th Chhattisgarh Young Scientist Congress, 2024 organised by NIT and CG-COST.
6. Guided DM Student Dr Siddanagoud S for 2nd place in oral presentation in PAC Nephro Annual masterclass.
7. Chairman State Task Force for Tuberculosis.

Dr. Manas R. Sahoo

1. Became PALS instructor.
2. NNF and ECMO Society of India Membership.

the pregnant and lactating mother. Poshan maha was celebrated in September 2023. Dr Tushar Jagzape, Professor, Pediatrics was invited to DD-News Chhattisgarh and Aakashwani for awareness on nutrition. Dr Alok Singh, Senior Resident, Pediatrics also delivered talk on nutrition on the radio (Aakashwani). Women's day was also celebrated with fervor. The department also participated with enthusiasm in celebration of the Swachata Pakhwada.

Photos of Inauguration of SMART Unit



Photos of Inauguration of IYCF Skill Lab Photos of Breast feeding week 2024



Photos of Women's day 2024



Photos of POSHAN Maah 2024



DEPARTMENT OF PAEDIATRIC SURGERY

Additional Professor

Dr. Nitinkumar B Borkar

Assistant Professors

Dr. Charu Sharma

Dr. Sonali Mane

HIGHLIGHTS

The Department is now functioning full-fledged with 6 days OPD services and three days elective OT per week and 24x7 emergency services. There are two special clinics:

- a) Hypospadias Clinic on every Monday
- b) Birth Defect Clinic on every Friday

The Department primarily focuses on Congenital Anomalies, especially Hypospadias. Hypospadias repair surgery forms the major bulk of operative procedures around all age-groups in Pediatrics. In the last year, we have published 6 meta-analyses related to hypospadias.

There are three academic SRs all of them have thesis on different aspects of hypospadias.

Recently, a paper has been accepted for oral presentation in International Hypospadias Conference, scheduled to be held in UAE around mid-May 2024.

In the birth defect clinic, to-be parents are

counselled who have been diagnosed with congenital anomaly during ante-natal period. They are kept on follow-up and are counselled for institutional delivery. This helps in early assessment for surgical correction and improved outcomes.

EDUCATION

The Department conducts teaching activity for staff in hospital and operation theatres based on their requirement.

Integrated teaching with Pathology and Lab medicine, Pediatrics and Neonatology is also taken.

Academic Development

Three academic MCh SR undergo full training in clinical, research and operative works of the department. Regular classes, seminars and review with feedback are conducted in the department.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES**Dr. Nitinkumar Borkar**

S. No.	Title	CME/Conference	Date	Organized By
1.	Stakeholder engagement for integrated healthcare - Futuristic Approach	Preconference Symposium	28.04.2023 to 29.04.2023	Symbiosis Pune
2.	SPUCON 2023	Conference	01.09.2023 to 03.09.2023	Vidarbha Gr. of Pediatric Surgeons Nagpur
3.	Medical Education Technology	Workshop	25.09.2023 to 27.09.2023	AIIMS, Raipur
4.	Power Point Presentation better to best	Workshop	13.10.2023 to 14.10.2023	AIIMS, Raipur
5.	NISSICON 2024	Conference	23.01.2024 to 24.01.2024	AIIMS, Raipur and Chhattisgarh Association of Neuroscientist
6.	Pediatric EHPVOCON	CME and Live operative Workshop	29.03.2024 to 30.03.2024	SGPGI Lucknow

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Nitinkumar Borkar**

S. No.	Title	CME/Conference	Date	Organized By
1.	Foreign Bodies, sonological identification and removal	ABCD of POCUS Workshop	29.04.2023 to 30.04.2023	AIIMS, Raipur
2.	PPE	HICC Workshop	20.07.2023	AIIMS, Raipur
3.	Neurological Control of Storage and voiding	International Children Continence Society	30.09.2023	PGI Chandigarh
4.	Congenital Diaphragmatic Hernia - Antenatal Concerns	Pediatric Surgery Update	08.02.2024	MAMC New Delhi
5.	Clinical Evaluation of Intestinal Obstruction	Pediatric Emergency medicine online teaching activity	20.02.2024	PME online team

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Nitinkumar B Borkar et al	Tubularized incised plate urethroplasty and grafted tubularized incised plate urethroplasty: systematic review, meta-analysis, and trial sequential analysis	SPUCON 2023	02.09.2023	VAPS, Nagpur
2.	Nitinkumar B Borkar et al	Single dartos flap versus double dartos flap in hypospadias repair: A systematic review and meta-analysis with trial sequential analysis and fragility index.	RIPSS2023	21.12.2023	AIIMS, Delhi
3.	Dr Charu Tiwari Dr Nitinkumar Borkar	Intestinal Mucormycosis Following Ventricular Septal Defect Repair in a 6-month-old Male	34th Euro-Pediatric Conference (online)	09.09.2023	Conference Series.com, Berkshire
4.	Dr Charu Tiwari Dr Nitinkumar Borkar	Whistle: An Unusual Foreign Body in Bronchus	34th Euro-Pediatric Conference (online)	09.09.2023	Conference Series.com, Berkshire
5.	Dr Charu Tiwari Dr Nitinkumar Borkar Dr Souvik Paul	Distal Pancreatectomy for Solid Pseudopapillary Epithelial Neoplasm (SPEN) in a Child: Operative Video	WIPSCON 2024 (Online)	03.03.2024	IAPS
6.	Dr Charu Tiwari Dr Nitinkumar Borkar Dr Nihar Kathrani	Post-Kasai Portoenterostomy Hepatic Artery Pseudoaneurysm	WIPSCON 2024 (Online)	03.03.2024	IAPS

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Randomized Control Trial Comparing Ultrasound guided Therapeutic Transcutaneous Aspiration (USG-TCA) and Standard Incision and Drainage (I & D) in PVL Toxin producing SSTA in paediatric patients: A hospital-based pilot study	Dr Charu Tiwari	Intramural Funded	3 years	2020-2023	4,94,000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Factor associated with sudden death among adults aged 18-45 years, India: multicentric matched case control study	Dr Tridip Dutta	ICMR	1	2023-2024	1,00,000/-

Departmental Projects - Non-Funded Projects/ICMR-STs Projects/Thesis/Dissertations

Ongoing

S. No.	Project
1.	Comparison of stretched penile length in hypospadias patients with stretched penile length of normal healthy children using established nomogram.
2.	A comparative study on the uroflowmetry parameters between single stage and staged hypospadias.
3.	Correlation of Anogenital distance in hypospadias with severity of hypospadias.

Completed

S. No.	Project
1.	Post - Urethroplasty complication in hypospadias repair : A systematic review and meta-analysis comparing Polydioxanone and Polyglactin (Protocol registered in PROSPERO no- CDR-420233409710)

Collaborative Projects**Ongoing**

Sr. No.	Project	Collaborating Department/ Institution
1.	Ultrasound-Guided sacral erector spinae plane block versus caudal epidural block for postoperative analgesia in children undergoing hypospadias surgery: Randomized controlled study (NB)	Anaesthesia
2.	Clinico-biochemical profile and karyotyping in disorders of sex development in Chhattisgarh state: A hospital-based study (CS)	Dept of Anatomy, AIIMS, Raipur, CG

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Comparison of oral melatonin and oral clonidine premedication for attenuation of intubation response in pediatric patients undergoing surgical procedure under general anesthesia: a double blinded randomized control trial	Anaesthesia
2.	Ultrasound-guided quadratus lumborum block versus ultrasound-guided caudal epidural block for post-operative analgesia in children undergoing lower abdominal surgeries: A prospective randomized controlled study	Anaesthesia

PUBLICATIONS

1. **Borkar N**, De M, Mishra JK, Malhotra S, Sahu SA, Chowhan AK. A rare presentation of congenital benign fibrous histiocytoma mimicking mandibular tumor in an infant. *Indian Dermatol Online J*. 10.4103/idoj.idoj_357_22.
2. Nair A, Rangaiah M, **Borkar N**. Efficacy and safety of oral tizanidine premedication as pre-emptive analgesia in adult patients undergoing elective surgeries: A systematic review. *Saudi J Anaesth* 2023;17:214-22.
3. Nair A, **Borkar NK**. Significance of including grey literature search in systematic reviews and meta-analyses. *Saudi J Anaesth* 2023;17:295-6.
4. Nair N; Dudhedia U; Rangaiah M; **Borkar N**. Ultrasound-guided transversalis fascia plane block for postoperative analgesia: A systematic review and meta-analysis. *Indian Journal of Anaesthesia* 67(4):p 331-342, April 2023.
5. Singh S, Srivastav N, Ahmed I, **Borkar N**, Kapoor R, Meshram R. Human Amniotic Membrane Usage from Bench to Bedside in Congenital Defects and Wounds in Paediatric Surgery: A Systematic Review. **Medical Research Archives**, [S.L.], v. 11, n. 3, Mar. 2023.
6. Nair A, Saxena P, **Borkar N**, Rangaiah M, Arora N, Mohanty PK. Erector spinae plane block for postoperative analgesia in cardiac surgeries- A systematic review and meta-analysis. *Ann Card Anaesth*. 2023 Jul-Sep;26(3):247-259. doi: 10.4103/aca.aca_148_22. PMID:37470522.
7. Nair A; Thakre M; Rangaiah M; Dudhedia U; **Borkar N**. Analgesic efficacy and safety of duloxetine premedication in patients undergoing hysterectomy - A systematic review. *Indian Journal of Anaesthesia* 67(9):p 770-777, September 2023. | DOI: 10.4103/ija.ija_170_23.
8. **Borkar NB**, Tiwari C, Mohanty D, Vepakomma D, Nagdeve N. Techniques of staged laparoscopic orchidopexy for high intra-abdominal testes in children: A systematic review and meta-analysis. *Urol Ann* 0;0:0. DOI:10.4103/ua.ua_11_23.
9. Nair Abhijit; Dudhedia Ujjwalraj; Thakre Manish; **Borkar Nitinkumar**. Efficacy of memantine premedication in alleviating postoperative pain- A systematic review and meta-analysis. *Saudi Journal of Anesthesia* 18(1):p 86-94, Jan-Mar 2024. | DOI: 10.4103/sja.sja_398_23.
10. Nair, Abhijit; **Borkar Nitin K**.1. Understanding the trial sequential analysis graph in meta-analysis. *Saudi Journal of Anesthesia* 18(1):p 162-164, Jan-Mar 2024. | DOI: 10.4103/sja.sja_715_23.
11. M Kumar, **NK Borkar**, M Sinha. Highlighting the fragility index: Strengthening the robustness of research findings in meta-analysis-A commentary. *Pediatric Anesthesia*.
12. Tiwari Charu; **Borkar Nitinkumar**. Pediatric recurrent fibromatosis managed by hydroxyurea monotherapy. *Journal of Cancer Research and Therapeutics* ():10.4103/jcrt.jcrt_51_22, December 15, 2023. | DOI:10.4103/jcrt.jcrt_51_22.
13. **Borkar N**, Tiwari C, Nair A, Sinha C, Ratan SK, Naredi BK. Single dartos flap versus double dartos flap in hypospadias repair: A

- systematic review and meta-analysis with trial sequential analysis and fragility index. *Urologia Journal*. 2024;0(0). doi:10.1177/03915603241231058.
14. **Borkar N**, Tiwari C, Nair A, et al. Tubularized incised plate urethroplasty and grafted tubularized incised plate urethroplasty: systematic review, meta-analysis and trial sequential analysis. *World Journal of Pediatric Surgery* 2024;7:e000707. doi: 10.1136/wjps-2023-000707.
 15. **Borkar N**, Tiwari C, Mohanty D, et al. Post-urethroplasty complications in hypospadias repair: a systematic review and meta-analysis comparing polydioxanone and polyglactin sutures. *World Journal of Pediatric Surgery* 2024;7:e000659. doi: 10.1136/wjps-2023-000659.
 16. **Borkar N B.**; Nair A; Meshram S; Baruah T D. Re-evaluating the level of evidence in research: Incorporating trial sequential analysis and fragility index. *Indian Journal of Anaesthesia* 68(4):p 403-405, April 2024. | DOI: 10.4103/ija.ija_35_24.
 17. **Borkar N B.**; Nair A. Significance of fragility index in meta-analysis. *Saudi Journal of Anesthesia* 18(2):p 310-311, Apr-Jun 2024. | DOI: 10.4103/sja.sja_749_23.
 18. Nair A, **Borkar N**, Murke SS, Dudhedia U. Safety and Efficacy of the Use of Supraglottic Airway Devices in Children and Adolescents Undergoing Adenotonsillectomy-A Systematic Review and Meta-Analysis. *Journal of Personalized Medicine*. 2024; 14(3):311. <https://doi.org/10.3390/jpm14030311>.

Accepted Publications:

1. Pediatric Basidiobolomycosis: An uncommon and misdiagnosed entity. Idjo_833_23- Indian Dermatology Online journal.
2. Tamarind seeds in tracheobronchial tree: Challenges during Rigid Bronchoscopy. jiaps_220_23. Journal of Indian Association of Pediatric Surgeon (JIAPS)

PATIENT CARE

	OPD	IPD	Major OT	Special Clinics	Or any other facility
Total	6633	1066	660	Hypospadias clinic - 290 patients Fetal Surveillance clinic - 213 ANC mothers	Pediatric Urodynamic facilities

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr Nitin Kumar Borkar been Awarded for Fellowship by Society of Pediatric Urology (FSPU)
2. A paper has been accepted for oral presentation in International Hypospadias Conference, scheduled to be held in UAE around mid-May 2024.

VISITING SCIENTIST(S)

Dr. CK Sinha Consultant Pediatric Surgeon St Georges University Hospital London is a Visiting Professor to Department of Pediatric Surgery AIIMS Raipur.

DEPARTMENT OF PATHOLOGY & LAB MEDICINE

Professors

Dr. Amit Kumar Chowhan (Head)

Dr. Nighat Hussain

Additional Professor

Dr. Rahul Satarkar

Assistant Professors

Dr. Rakesh Kumar Gupta

Dr. Ashish Kumar Gupta

Dr. Yashita Gupta

Dr. P. Aruna

HIGHLIGHTS

Regular External Quality Assurance programs are being with various reputed labs of the country (Histopathology & ISHTM EQAS for Hematology with AIIMS, New Delhi, ISHBT Coagulation profile with CMC, Vellore, Cytopathology with Indian Academy of Cytology and Immunohistochemistry (HCG EQAS) with Tata Memorial Centre, Mumbai. Addition of new parameters in coagulation assay like Factor inhibitor screening, Lupus anti-coagulant assay, Liquid Based Cytology (Sure Path) test for Cervical Pap Smears and expansion of IHC panel was undertaken. A state of the art 'Surgical Pathology Museum' with 152 well preserved and mounted specimens is available in the department for MBBS teaching.

EDUCATION

Ongoing academic courses include MBBS,

MD, BSc Nursing, BSc MLT and PhD Course. MBBS teaching include different methods like theory class, practical, tutorials, seminars, demonstration and gross morbid pathology specimen. In addition to MBBS students Department has an intake of and 9 MD seats per year. Currently 20 Post Graduate students are being trained in the department in different sections. Postgraduate teaching includes full week academic activities in the form of topic seminars, journal clubs, recent updates, gross pathology, slide seminars (Histopathology, Cytopathology & Hematology), case discussion and tutorials. Regular inter-departmental Clinico-pathological correlation meetings (CPCs) with departments like Neurosurgery, Urology, Nephrology, Pediatric Surgery, Dermatology, ENT and Pulmonary Medicine are being done.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	'Neoplastic Pathology of Lungs and Mediastinum - Basics to Genomics'	National CME	05.08.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur
2.	Workshop on 'Diagnostic modality for Oral, Breast and Cervical Cancer' - Phase I	State Level Pathologists training under NPCDCS Program	18.09.2023 to 20.09.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur
3.	Workshop on 'Diagnostic modality for Oral, Breast and Cervical Cancer' - Phase 2	State Level Pathologists training under NPCDCS Program	25.09.2023 to 27.09.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur along with State Health Resource Center, Chhattisgarh.
4.	'3 rd Annual Pathology QUIZ' for MBBS students on the occasion of World Pathology Day	Chhattisgarh State Level QUIZ	29.11.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur
5.	Guest Lecture by Dr. Shankar Sundaram, Prof & Head, Dept of Pathology, Govt Medical College, Gandhinagar, Kottayam, Kerala.	Motivational Lecture for MD Students including guidelines on how to become a Better Pathologist	18.12.2023 & 19.12.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Amit Kumar Chowhan**

S. No.	Title	CME/Conference	Date	Organized By
1.	Lecture on 'Update on Recent 2021 WHO Classification of CNS Tumours'	NISSICON 2024: National Conference of Neurosurgeons	24.02.2024	Department of Neurosurgery, AIIMS, Raipur (C.G.)

2.	'Introduction of Medical Education Unit' of AIIMS, Raipur	Foundation Course for 1 st MBBS Students	29.09.2023	Dean Office, AIIMS, Raipur
Dr. Rahul N. Satarkar				
1.	Non-small cell carcinoma of lungs	National CME on 'Neoplastic Pathology of Lungs and Mediastinum - Basics to Genomics'	05.08.2023	AIIMS, Raipur
2.	Morphological diagnosis of Acute leukemia	State level conference	02.09.2023	AIIMS, Raipur
3.	Histopathology of oral cancer	State Level Pathologists training under NPCDCS Program	18.09.2023 to 20.09.2023	Dept of Pathology & Lab Medicine, AIIMS, Raipur along with State Health Resource Center, Chhattisgarh.
Dr. Rakesh Kumar Gupta				
1.	Liquid biopsy in lung cancer	Pulmonary medicine update 2024	10.03.2024	Department of Pulmonary Medicine, AIIMS, Raipur
2.	Immunohistochemistry applications	Immunohistochemistry; A technical boon in cancer diagnosis and prognosis	06.10.2023	GMCH, Udaipur
3.	Thoracic SMARCA4-deficient undifferentiated tumor	National CME on 'Neoplastic Pathology of Lungs and Mediastinum - Basics to Genomics'	05.08.2023	Department of Pathology & Lab Medicine, AIIMS, Raipur
4.	Ependymomas current updates and way ahead	NSSICON 2024	24.02.2024	Department of Neurosurgery, AIIMS, Raipur
5.	Histopathological diagnosis of	Clinico-Mycological update: Uncovering the Unknown fungal infections	30.01.2024	Department of Microbiology, AIIMS, Raipur
6.	Clinical applications of Immunohistochemistry	Contemporary health issues-integrated approach with recent updates	14.03.2024	Government Medical College, Datia
7.	Role of delivery/ presentation style in learning outcomes	Capacity development program	29.04.2023	IAE Hyderabad

8.	How to fill requisition forms in pathology & sample collection	Internship orientation program	16.01.2024	AIIMS, Raipur
Dr. Ashish Kumar Gupta				
1.	Non Small Cell Carcinoma	National CME on "Neoplastic Pathology of Lungs & Mediastinum - Basics to Genomics"	05.08.2023	Dept of Pathology, AIIMS, Raipur
Dr. Yashita Gupta				
1.	Mediastinal Tumours	National CME on "Neoplastic Pathology of Lungs & Mediastinum Basics to Genomics"	05.08.2023	Department of Pathology, AIIMS, Raipur
Dr. P. Aruna				
1	Histopathology and Cytology Cervical cancer	State Level Pathologists training under NPCDCS Program	18.09.2023 to 20.09.2023	Dept of Pathology & Lab Medicine, AIIMS Raipur along with State Health Resource Center, Chhattisgarh.

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
ORAL PAPERS:					
1.	Dr. Catherine T Ziekhrii	Diagnostic Accuracy of Squash Cytology in CNS lesions	NSSICON, 2024	25.02.2024	Neurosurgery Department, AIIMS, Raipur
2.	Dr. Aastha Seth, Dr. Rakesh K. Gupta, Dr. Yashita Gupta, Dr. Arvind Kumar Shukla, Dr. Sarita Agrawal, Dr. Siddhartha Nanda	Immunohistochemical expression of sox 2 and Ki 67 in squamous cell carcinoma cervix and Its correlation with histological and clinicopathological parameters	CAPCON-2023-24	10.02.2024 to 11.02.2024	Department of Pathology, RSDKS, GMC and Practicing Pathologists, Ambikapur, Chattisgarh

3.	Dr. Shraddha Bhoskar , Dr Ashish Kumar Gupta, Dr Rakesh Kumar Gupta, Dr Radhakrishna Ramchandani, Dr Amit Kumar Agrawal	Evaluation of CD10 expression in histopathological specimens of invasive breast carcinoma and its association with clinicopathological factors	Annual conference of Indian association of Pathologist and Microbiologists Chhattisgarh Chapter	10.02.2024 to 11.02.2024	Department of Pathology RSDKS, GMC Ambikapur
POSTERS PRESENTED					
1.	Gupta RK , Singh A, Nanda S, Mohanty D, Kashyap Y	Triple negative breast cancer: immunohistochemistry based sub-classification and correlation with clinico-demographic profile and survival in Indian patients	APCON2023	09.12.2023	Dept of Pathology, AIIMS, New Delhi
2.	Gupta RK	Meningioangiomas	"PAN INDIA potpourri of assorted cases" by NPSI	25.11.2023	NPSI India
3.	Gupta RK	MDS with Low Blast with SF3B1 Mutation	MPAICON2024	18.03.2024	Dept of Pathology, AIIMS, New Delhi
4.	Dr K.Ankita Simon , Dr Rakesh Kumar Gupta, Dr Anil Sharma, Dr Soundarya Samskruti	Extraconal Orbital Craniopharyngioma	NSSICON 2024	23.02.2024 to 25.02.2024	Department of Neurosciences AIIMS, Raipur
5.	Dr Mousmi Agrawal , Dr Narendra Kumar Bodhey, Dr Anil Sharma, Dr Nighat Hussain	Spinal Paraganglioma mimicking Ependymoma: Case Series	NSSICON 2024	23.02.2024 to 25.02.2024	AIIMS, Raipur
6.	Dr Mousmi Agrawal , Dr Amit Kumar Chowhan	Fine needle aspiration cytology of testicular tumors with histological correlation: A retrospective and prospective study	APCON 2023	06.12.2023 to 10.12.2023	AIIMS, New Delhi

7.	Dr Sakshi, Dr P Aruna, Dr Rahul Satarkar, Dr Mousmi Agarwal, Dr Sandhya Verma, Dr Shamendra, Dr Amit Kumar Chowhan	Two Interesting Cases of Masson's Tumour	CAPCON 2023-24	10.02.2024 to 11.02.2024	Department of Pathology, RSDKS, GMC and Practicing Pathologists, Ambikapur (C.G.)
8.	Dr Sakshi, Dr Rahul Satarkar, Dr Santosh Rao, Dr Nighat Hussain	Meningioma- A Potential Mimic of Salivary Gland Neoplasm	NSSICON 2024	23.02.2024 to 25.02.2024	Department of Neurosurgery, AIIMS Raipur and Chhattisgarh Association of Neuroscientists (CAN)
9.	Dr Rhythm Dewan, Dr Rakesh Kumar Gupta, Dr Rahul Satarkar, Dr Soundarya Samskruthi Koyya, Dr Santhosh Rao	Acute on Chronic Osteomyelitis with Oral Glial Heterotopia	NSSICON 2024- National Conference, AIIMS, Raipur	23.02.2024 to 25.02.2024	Department of Neurosurgery, AIIMS Raipur
10.	Dr Manodeep Barai Dr Yashita Gupta, Dr Chitrakshi Kansal, Dr Anil Kumar, Dr Mudalsha Ravina	Primary ewing sarcoma of squamous temporal bone with intracranial extension: A rare presentation	Nssicon 2024	23.02.2024 to 25.02.2024	Department of Neurosurgery, AIIMS, Raipur and Chhattisgarh Association of Neuroscientists (CAN)
11.	Dr Yuvraj Singh Chauhan, Dr Rahul Satarkar, Dr Nighat Hussain, Dr Anil Kumar, Dr Bharat Jain	SATB2 Positive High Grade Sarcoma of Frontal Region in a Young adolescent male, Cytologically mimicking Rhabdomyosarcoma	CAPCON 2024	11.02.2024	GMC Ambikapur, Chattisgarh
12.	Dr Devanshi Varshney, Dr Yashita Gupta, Dr Aishwarya John, Dr Charandeep Singh, Dr Saumya Jain	Pineal Parenchymal tumour of intermediate Differentiation- A rare differential diagnosis of pineal region tumours	NSSICON 2024- National conference, AIIMS Raipur	23.02.2024 to 25.02.2024	Department of Neurosurgery, AIIMS, Raipur

13.	Dr Shaurya Vijayran, Dr P. Aruna, Dr Amit Kumar Chowhan, Dr Mousmi Agarwal, Dr Shubham Kumar Indurkar, Dr Kamal Kant Sahu	Electrocution related changes in post mortem specimens	CAPCON	11.02.2024	IAPM
14.	Dr Shaurya Vijayran, Dr Rakesh Kumar Gupta, Dr Ashish Kumar Gupta, Dr Anil Kumar, Dr Soundarya S.K., Dr Revathi Galeti, Dr Aishwarya John, Dr Ankita Simon, Dr P. Aruna, Dr. Amit Kumar Chowhan	Phosphaturic Mesenchymal Stromal Tumor	NSSICON	24.02.2024	AIIMS Neurosurgery Department
15.	Dr Aishwarya John, Dr Rahul Satarkar, Dr Ashish Sharma, Dr Nighat Hussain.	Osteogenic Sarcoma of skull: Report of two unusual cases	12th Annual Conference of Neurological Surgeon Society of India	23.02.2024 to 25.02.2024	Department of Neurosurgery, AIIMS Raipur and Chhattisgarh Association of Neuroscientists (CAN)
16.	Dr Aastha Seth, Dr Soundarya Koyya, Dr Ashish Gupta, Dr Rakesh K. Gupta, Dr Amit K. Chowhan, Dr Satyaki Ganguly, Dr Pankaj Kannauje, Dr Sabah Siddiqui	Raccoon Eye: A rare presentation in multiple myeloma	CAPCON- 2023-24	10.02.2024 to 11.02.2024	Department of Pathology, RSDKS, GMC and Practicing Pathologists, Ambikapur, Chattisgarh

17.	Bhoskar S, Chowhan AK, Gupta Y, Gupta RK, Dugar D, Khangar B, Simon A	Suprapubic ectopic breast tissue with features of lactating adenoma	CAPCON 2024	09.02.2024	Department of Pathology, GMC Ambikapur
18.	Singla T, Somani A, Gupta RK, Kumar A	Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study	CIPCON 2023	09.02.2024	Department of Pathology, GMC Ambikapur
19.	Kumar V, Behra AK, Rangnath T, Gupta RK	Diagnostic Utility of Medical Thoracoscopy in Undiagnosed Pleural effusion	ERS International Congress 2023	09.09.2023 to 13.09.2023	Milan, Italy
20.	Mudalsa R, Gupta RK, Ramchandani R	Role of textural and radiomic analysis parameters in predicting histopathological parameters of the tumour in breast cancer patients	EANM23, Vienna, Austria	11.09.2023	Congress of the European Association of Nuclear Medicine, Vienna, Austria
21.	Chourasia N, Paul S, Gupta RK	Solid pseudopapillary tumor of pancreas in a child; a rare entity	IASG Mid term meet	24.02.2024 to 25.02.2024	AIIMS, Bhubneshwar
22.	Goyal A, Paul S, Gupta RK	Resectable carcinoma gall bladder - an initial experience with multi-modal management	IASG Mid term meet	24.02.2024 to 25.02.2024	AIIMS, Bhubneshwar
23.	Keche A, Ganguly S, Chhabra N, Sahu V, Gupta RK	Identification of rare fungal agents in implantation mycosis: A study from AIIMS Raipur, Chhattisgarh	MICROCON 2023	23.11.2023 to 26.11.2023	KGMC, Lucknow
24.	Preethaa SP, Khare S, Ganguly S, Gupta RK	Unveiling the clinical spectrum of primary cutaneous T cell lymphoma: symptoms	CUTICON CG 2023	01.10.2023	IADVL, Chhattisgarh
25.	Patel PC, Prabha N, Khare S, Gupta RK	SLE : a wolf in sheep's clothing- a tale of 5 cases	CUTICON CG 2023	01.10.2023	IADVL, Chhattisgarh

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	To study the Co-expression of p16 & Ki 67 dual immunostain on cytology smears & its value in detection of cervical cancer precursors in women from Chhattisgarh.	Dr Nighat Hussain	AIIMS, Raipur	1 Year	2019	5,00,000/-
2.	Identification of clinico-pathological profile of target antigens of membranous nephropathy by immunohistochemistry	Dr Yashita Gupta	AIIMS, Raipur	1 year	2023-2024	4,98,253/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Design and Development of an E-Marketing mobile app for affordable healthcare equipment promoting self-reliance & make-in-India campaign (aborted)	Dr Rakesh Kumar Gupta Department of Pathology, AIIMS, Raipur	IBITF, Bhilai	01	2023	49.96 Lakhs
2.	Multigenic analysis in patients with malignant pleural effusion using cytological specimens: A sensitive method for molecular study in advanced staged cases	Dr Ashish Kumar Gupta	AIIMS, Raipur	02	2020-2023	5 Lakhs

Departmental projects - Non Funded Projects/ICMR-STS Projects/Thesis/Dissertations

Ongoing

S. No.	Title of the Project
1.	Evaluation of CD 10 expression in histopathological specimens of invasive breast carcinoma and its association with clinicopathological factors.

2.	Study of Immunohistochemical expression of programmed death ligand-1 (PD-L1) in the thyroid tumors and its correlation with clinicopathological parameters at a tertiary care center in central India.
3.	Evaluation of immunohistochemical expression of SOX 2 and Ki67 in squamous cell carcinoma cervix and its correlation with histological and clinicopathological parameters.
4.	Study Of Squash Cytology/Frozen Section In a Cohort of CNS Lesions at a Tertiary Care Centre in Central India.
5.	Immunohistochemical expression of BAP1 in renal cell carcinoma diagnosed at tertiary care centre in Chhattisgarh.
6.	Study of Immunohistochemical Expression of IgG4 and C4d in Immunobullous skin Disorders.
7.	Clinical utility of automated reticulocyte indices for assessment of pancytopenia in adult population with special reference to immature reticulocyte fraction-a tertiary hospital based study.
8.	Platelet indices and neutrophil to Lymphocyte ratio in hypertensive disorders in pregnancy: A case control study.
9.	Stem Cell Marker Nestin and its correlation with Vascular Endothelial Growth Factor and Microvascular Density In glial tumours.
10.	Study of expression of p16, its correlation with the presence of high risk human papilloma virus (HR-HPV) DNA and their association with outcomes in penile carcinoma.
11.	Molecular classification of urothelial carcinoma of urinary bladder using surrogate IHC markers.
12.	Study of expression of cyclin D1 in multiple myeloma and its correlation with serum B2 microglobulin- an observational study in a tertiary care centre.
13.	Expression of Programmed Cell Death Ligand 1 (PD-L1) and presence of CD8-positive T cells in pre-treatment specimens of cervical carcinoma.
14.	Study of PD-L1 in Oral Squamous Cell Carcinoma.
15.	Study of immunohistochemical expression of α -smooth muscle actin (α -SMA) and chemokine ligand 8 (CXCL 8) in cancer-associated fibroblasts (CAF) of squamous cell carcinoma of oral cavity, its association with clinicopathological parameters and survival outcomes at a tertiary care centre in India.
16.	Evaluating the diagnostic utility of claudin-1 and somatostatin receptor-2A in Meningioma.
17.	Immunohistochemical expression of Moesin and Ezrin in Endometrial Carcinoma at tertiary care center in Chhattisgarh.
18.	Correlation of expression of EZH2 and p16 in glial tumors; A cross-sectional observational study.
19.	To study the correlation of expression of PD-L1 (Programmed cell death ligand 1) and FOXP3 (Forkhead box protein 3) with respect to molecular classification in denovo cases of invasive breast carcinoma in females.
20.	Study of immunohistochemical expression of Galectin -3 (Gal-3) and Mucin1 (MUC-1) in tumor and tumour-associated stromal cells of invasive carcinoma of breast and its association with clinicopathological parameters at a tertiary care center in India.

Completed

S. No.	Title of the Project
1.	Application of sydney system for lymph node cytology at a tertiary care centre in Central India.
2.	Clinicopathological study of cohort of meningiomas and their Ki-67 proliferation indices
3.	Spectrum of histopathological changes and their correlation with clinical presentations in COVID-19 associated mucormycosis patients; A Hospital Based Cross Sectional Study.
4.	Role of histopathological findings as an aid in the prognosis of post COVID-19 rhino-orbito-cerebral zygomycosis.
5.	Expression of Interleukin 37 and NLRP3 inflammasome in the skin lesions of leprosy.
6.	IDH 1 & PDL1 in Glial Tumours.
7.	VEGH & PDL1 in Epithelial Ovarian Carcinomas at a Tertiary Care Center in Central India

Collaborative Projects**Ongoing**

Sr. No.	Title of the Project	Collaborating Department/ Institution
1.	An adaptive, randomized, active-controlled, open-label, sequential cohort, multicenter study to evaluate the efficacy, safety, tolerability and pharmacokinetics of intravenous cipargamin (KAE609) in adult and pediatric participants with severe Plasmodium falciparum malaria	Department of pediatrics, AIIMS, Raipur.
2.	Role of shear wave elastography in characterization of breast malignancy: A cross sectional study	Department of Radiodiagnosis, AIIMS, Raipur
3.	Role of 18f fdg pet/ct radiomic features and texture analysis parameters in predicting pathological type and hormonal receptor status of the tumour in newly diagnosed early breast cancer patients	Department of Nuclear medicine, AIIMS, Raipur
4.	Neutropenia-Evaluation and effect of Filgrastim on neutropenia recovery in pediatric cancer patients receiving chemotherapy in a tertiary care teaching hospital of central India	Department of Pediatrics, AIIMS, Raipur
5.	To evaluate the efficacy and safety of Semi Rigid Thoracoscopy among the patients with Undiagnosed Exudative Pleural Effusion	Department of Pulmonary medicine, AIIMS, Raipur

6.	Assessment of platelet parameters in patients of depression.	Department of Psychiatry, AIIMS, Raipur
7.	An analysis of Leukapheresis as a prophylactic modality of therapy for 'Tumor Lysis Syndrome' compared to conventional management: A pilot open labeled Randomized control trial.	Dept of Transfusion Medicine, AIIMS, Raipur
8.	A non-inferiority randomized trial to assess the efficacy of 10mg/kg/day versus 20mg/kg/day hydroxyurea in the treatment of sickle cell disease patients of tribal and non-tribal areas in India. (Dr. Ashish Kumar Gupta)	Dept of Biochemistry, AIIMS, Raipur
9.	Comparison of effect of TIVA versus inhalational anaesthesia on immune cells in patient undergoing radical cystectomy: a prospective, randomised controlled study.	Dept of Anesthesia, AIIMS, Raipur
10.	Correlation between clinical features and post-mortem biopsy findings in patients dying of natural causes in the emergency room.	Dept of Trauma & Emergency, AIIMS, Raipur
11.	Role of germinin as a tool for augmenting accurate diagnosis of cervical neoplasia (Dr. Nighat Hussain)	Obstetrics & Gynecology, AIIMS, Raipur
12.	Clinical aspects and prediction of the prognosis of p53 mutation in Glioblastoma.	Dept of Neurosurgery, AIIMS, Raipur.
13.	Prevalence and morphology of myocardial bridging on coronary arteries - a prospective forensic autopsy study from tertiary care centre of central India.	Dept of forensic medicine, AIIMS, Raipur
14.	Does 5-Fluorouracil increase the mouth opening in patients with oral submucous fibrosis? A prospective cohort pilot study.	Dept of Dentistry, AIIMS, Raipur
15.	Assessment of the association of coagulation screening tests and coagulation factors (Factor VIII and fibrinogen) with the mode of collection (in house or at blood donation camp) of fresh frozen plasma and the blood group of the donor- a Prospective Observational study.	Department of Transfusion Medicine & Blood bank, AIIMS, Raipur
16.	Incidence of dry eye and conjunctival goblet cell density in type 2 diabetes mellitus patients	Department of Ophthalmology, AIIMS, Raipur

17.	Comparison of diagnostic yield, complication rates and patient acceptability of radial EBUS with other transthoracic diagnostic modalities in patients with lung lesions	Department of Pulmonary Medicine, AIIMS, Raipur
18.	Randomized, Double-Blinded, Placebo-Controlled Study to Evaluate the Safety, Tolerability, and Efficacy of Intravenous Varespladib Followed by Oral	Department of Pediatrics, AIIMS, Raipur
19.	A multicentric trial evaluating the safety & efficacy of oral decitabine-tetrahydrouridine (Ndec) in patient with sickle cell disease.	Dept of General Medicine, AIIMS, Raipur

Completed

Sr. No.	Title of the Project	Collaborating Department/ Institution
1.	To evaluate the efficacy and safety of Semi Rigid Thoracoscopy among the patients with Undiagnosed Exudative Pleural Effusion	Department of Pulmonary Medicine, AIIMS, Raipur
2.	Role Of 18f FDG PET/CT Radiomic Features and Texture Analysis Parameters In Predicting Pathological Type and Hormonal Receptor Status of The Tumour In Newly Diagnosed Early Breast Cancer Patients	Department of Nuclear Medicine, AIIMS, Raipur
3.	Assessment of platelet parameters in patients of depression	Department of Psychiatry, AIIMS, Raipur
4.	Pilot study -clinical, radiological and pathological co-relation of mandibular invasion in carcinoma oral cavity	Department of ENT, Head & Neck Surgery, AIIMS, Raipur
5.	Role of germinin as a tool for augmenting accurate diagnosis of cervical neoplasia.	Obstetrics and Gynaecology

PUBLICATIONS

1. Agrawal Mousmi, Hussain Nighat, Ramchandani Radhakrishna¹, **Chowhan Amit Kumar**. Benign Phyllodes Tumor with Extensive Cystic Squamous Metaplasia; Clinically Presenting as Malignant Phyllodes. *Journal of Microscopy and Ultrastructure* 2024;10:1-3.
2. Mishra, S.S., Nanda, S., Ahirwar M.K., Rath S.M., Singh V, **Chowhan A**. Epithelial-Myoepithelial Carcinoma of Nasal Cavity at an Unusual Age: A Case Report and Review of Literature. *Indian J Otolaryngol Head Neck Surg* 2023;75:3305-11.
3. Saurabh, G., Kashyap, N.K., Suresh, M.P., Harshavardhan, N., Chakraborty, N.S., **Satarkar, R.**, Ravina, M. and Thakur, S. Non Hodgkin's Lymphoma with Right Atrial Intra Cardiac Metastases. *World Journal of Cardiovascular Surgery* 2023;13:120-127.
4. Prabha N, **Satarkar R**, Bhardwaj S. Erythematous papules predominately over photo-exposed areas. *International journal of dermatology* 2024;63:177-178.
5. **Gupta RK**, Verma KK, Shinde S. Solitary Fibrous Tumor of the Breast: A Rare Case and its Diagnostic Pitfalls. *Archives of Breast Cancer*. 2024;1:11.
6. Taniya AS, **Gupta RK**, Kumar A. Platelet to Lymphocyte Ratio and Monocyte to Lymphocyte Ratio in Depression: A Case-Control Study. *Indian Journal of Behavioural Sciences*. 2024;27:80-9.
7. Mehta R, Nagarkar NM, Bodhey NK, **Gupta RK**, Satpute SS. Clinical, Radiological, and Pathological Correlation of Mandibular Invasion in Carcinoma Bucco-alveolar Complex. *Indian Journal of Surgical Oncology*. 2024 Feb 28:1-2.
8. Uttam P, **Gupta RK**. Primary leptomenigeal CD30 positive diffuse large B cell lymphoma disguise as meningioma in a young adult: a case report. *International Journal of Neuroscience*. 2024 Jan 19:1-6.
9. Simran, Nanda S, Meher P, M Rath S, **Gupta RK**, Galeti R. Recurrent Giant Cell Tumor of Sphenoid Bone: A Rare Finding. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2023 Dec 28:1-3.
10. **Gupta RK**, Verma KK, Ramchandani R. Scapular ulcero-nodular Actinomyces masquerading as soft tissue tumour: A case report. *Tropical Doctor*. 2024 Jan;54(1):62-5.
11. **Gupta RK**, Agrawal M, Keche A, Ganguly S. Morphological Diagnosis of Blastomycosis Clinically Presenting as Mycetoma in a Young Immunocompetent Indian Patient; A Diagnostic Dilemma. *Indian Journal of Dermatology*. 2023 Jul 1;68(4):446-9.
12. **Gupta R**, Uttam P, Gupta RK. Pathophysiology of the Toxic Effects in Metallic Implants. *Journal of Long-Term Effects of Medical Implants*. 2024;34(1).
13. **Gupta RK**, Kumar Verma K, Achari RR. Unique granulated leucocytes in peripheral blood in yellow phosphorous poisoning: An interesting tool for monitoring therapeutic response. *Tropical Doctor* 2023;53:276-8.
14. **Gupta RK**, Wasnik P, Sharma AR. Papillary urothelial neoplasm of low malignant potential with osseous metaplasia in a 19-year-old chronic smoker: A case report with review

- of literature. *Indian Journal of Pathology and Microbiology*. 2024;1:159-61.
15. **Gupta RK**, Uttam P, Saran RK, Singh H. Role of intra-operative squash cytology in rosette-forming glioneuronal tumor of the fourth ventricle: a case report. *International Journal of Neuroscience*. 2023;3:642-7.
 16. Suprava Patel, Diksha Chabdrakar, Preetam N. Wasnik, Eli Mohapatra, RAchita Nanda, Seema Shah, **Ashish Gupta**. Redefining the Reference Interval and Cut-Off Values of the Hematological and Biochemical Parameters and Deriving a Sensitive Predictive Marker for Crisis Events in Sickle Cell Disease. *Indian Journal of Clinical Biochemistry*, October 2023.
 17. S. Satpute, Nidhin S. B., Nitin M. Nagarkar, **Ashish Gupta**, Ripudaman Arora. Giant cell rich osteosarcoma of maxilla vs. giant cell granuloma: a diagnostic dilemma. *International Journal of Otorhinolaryngology and Head and Neck Surgery* 2024;10:232-35.
 18. Rath S.M., Nanda S., Meher P, **Gupta Y**, Simran. Unmasking Sweet Syndrome in Association with Cervical Carcinoma: A Unique Clinical Encounter. *Indian J Gynecol Oncolog* 2024;22:44.
 19. **Gupta Y**, Agrawal M, Mehta V. Renal Leiomyoma - A Surprise Diagnosis!! *Indian J Nephrol* 2023;33:488-9.

Abstract Published in Journal:

1. Taniya AS, Gupta RK, Kuma A. BPSS AWARD. Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study. *Indian Journal of Psychiatry* 2024; 66:58.
2. Ganga RT, Kumar V, Behera A, Sahu D, Gupta R, Rath A et al. Diagnostic Utility of Medical Thoracoscopy in Undiagnosed Pleural effusion. *European Respiratory Journal*. 2023;62(suppl 67).

CHAPTERS IN BOOKS

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	AK Chowhan , Mousmi Agrawal	Molecular Alterations, Histopathology and Squash Cytology of Meningioma	Dr. Sara Hanaei and Dr. Farzad Maroufi	Meningioma - The Essentials from Bench to Bedside	1 st	London, UK	Intech Open	2024/3/21	1-100

PATIENT CARE

No. of investigations Department of Pathology & Lab Medicine

	Departments (Pathology)				
	Histopathology	Immunopathology	Cytopathology	Haematology	Clinical Pathology
Total	12771	4769	10805	358029	40943

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Amit Kumar Chowhan

1. Upon Invitation, reviewed articles for various PubMed Indexed & reputed National & International Journals (**Web of Science Verified**):

Total 19 articles reviewed:

1. Journal of Clinical and Scientific Research (13 articles)
2. Case Reports in Oncology (1 article)
3. Neurosciences (2 articles)
4. Combinatorial Chemistry and High Throughput Screening (1 article)
5. Annals of African Surgery (1 article)
6. All Life (1 article)
2. External Subject Expert for Faculty Interview at AIIMS, Rajkot on 18.06.2023.
3. External SubjectExpert for SVIMS, Tirupati, Faculty APS interview on 14.08.2023.
4. External SubjectExpert for Faculty interview, at SVIMS, Tirupati, on 13.12.2023.
5. External SubjectExpert for Faculty interview, at AIIMS, Bibinagar on 16.12.2023.
6. External SubjectExpert for SR recruitment interview at AIIMS, Bibinagar on 23.12.2023.

7. Chairperson for 'Oral Award Paper Presentation' in International CME on 'Updates in Pathology' at AIIMS, Mangalgi on 4th & 5th November 2023.
8. Chairperson for session 'Techniques of Cell Block' in 'Cell Block CME' at AIIMS, Raebareli on 2nd September 2023.
9. Chairperson for session 'Interpretation of ANA' in First National Symposium on Rheumatology, organized by Dept of Internal Medicine & Dept of Orthopedics, AIIMS, Raipur, on 22nd & 23rd July 2023.
10. External Examiner for MD exam at SVIMS, Tirupati on 4th & 5th July 2023.
11. External Examiner for MD exam at JLN Medical College on 30th November & 1st December 2023.
12. External Examiner for MD exam at Sri Ramchandra Medical University College, Chennai on 20th & 21st December 2023.
13. Paper Setter for MBBS exam at Sri Ramchandra Medical University College, Chennai, January 2024.

Dr. Rahul Satarkar

1. Worked as external examiner for 2nd MBBS

university practical examination at Pt. JNM Medical College, Raipur on 12 April 2023.

2. Worked as external examiner for MD (Pathology) examination at Pt. JNM Medical College, Raipur on 12-14 July 2023.
3. Chaired oral paper session at annual state conference of Maharashtra chapter of Indian association of pathologist and microbiologist at Symbiosis medical college, Pune on 7.10.2023.

Dr. Rakesh Kumar Gupta

1. Nominated faculty member for meeting with committee of parliament on official language on 25th May 2023.
2. Nominated faculty to attend capacity development program organized by IAE, Hyderabad from 27th - 29th April 2023.
3. External examiner for 2nd MBBS practical university examination (supplementary batch) at SSIMS, Bhilai on 8th April 2023.
4. External examiner for 2nd MBBS practical university examination at Chirayu medical college and hospital, Bhopal from 5th to 7th July 2023.
5. External examiner for 2nd MBBS practical university examination (supplementary batch) at GMC Rajnandgaon, from 15th to 16th April 2023.
6. Judge for the Poetry Competition: National Pharmacovigilance Week - 17th - 23rd Sep 2023, Dept of Pharmacology.
7. Nomination as Subject Expert for resolution of representations / objections of candidates received for CBT held on 27.06.2023 by Recruitment cell, AIIMS, Raipur.
8. Chairperson State-Level Conference on Diagnosis and Management of Acute Leukemia on 2nd Sep 2023 organized by Dept of Medical Oncology & Department of Clinical Hematology, AIIMS Raipur.
9. Resource faculty training state pathologists in the Dept of Pathology, AIIMS, Raipur, 18th to 20th September 2023.
10. Elected as Zonal executive for 'Association of medical updates' for East zone at AMUCON 2023, 7th-8th Oct 2023, GMCH Udaipur.
11. Mid carrier scientist award at AMUCON 2023, 7th-8th Oct 2023, GMCH Udaipur.
12. Judge for oral paper session AMUCON 2023, 7th-8th Oct 2023, GMCH Udaipur.
13. Best paper award as co-author in oral paper 'Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study' presented by Dr. Taniya Singla at 44th annual conference of Indian psychiatry society-central zone CIPCON 2023.
14. Judge solo singing competition in ORIANA 2023, 5th Nov 2023 AIIMS Raipur.
15. Judge in poetry session at ORIANA 2023, 6th Nov 2023 AIIMS Raipur 3rd prize as co-author in e-poster 'Resectable carcinoma gall bladder- an initial experience with multimodal management' presented by Dr. Ashok Goyal at IASG mid-term meet, AIIMS Bhubaneswar, on 24th-25th Feb 2024.
16. Appointment as Faculty co-ordinator for conduction of 3rd round open counseling for INICET July 2023 exam at AIIMS New Delhi.
17. Appointment as Faculty co-ordinator for open round of online seat allocation INICET January 2024 session.
18. 1st prize as co-author for oral paper 'Identification of rare fungal agents in

implantation mycosis: A study from AIIMS Raipur, Chhattisgarh' presentation by Dr. Archana Keche at MICROCON2023. 23rd - 26th Nov 2023, KGMC Lucknow

19. 3rd prize as co-author in e-poster 'Resectable carcinoma gall bladder- an initial experience with multimodal management' presented by Dr. Ashok Goyal at IASG mid-term meet, AIIMS Bhubaneswar, on 24th-25th Feb 2024.
20. 2nd prize in Hindi Debate competition organized by Hindi section AIIMS, Raipur on 29.09.2023 at AIIMS, Raipur, C.G.
21. 2nd prize in Hindi Poetry competition organized by Hindi section AIIMS, Raipur on 29.09.2023 at AIIMS, Raipur, C.G.
22. 2nd prize in Spontaneous speech competition organized by Hindi section AIIMS, Raipur on 29.09.2023 at AIIMS, Raipur, C.G.
23. Consolation prize in medical terminology in Hindi organized by Hindi section AIIMS, Raipur on 29.09.2023 at AIIMS, Raipur, C.G.

Dr. Shraddha Bhoskar (PGJR)

1. Participated in CAPCON 2023-24 in title of

V. OTHER ACTIVITY

Dr. Amit Kumar Chowhan

1. Undergone NABL Training at AIIMS, Raipur from 26th to 29th July 2023.
2. Participated in 'Meta-Analysis workshop at JIPMER, Puducherry during 11th to 13th September 2023.
3. Participated in 'Dermoscopy' workshop organized by Dept of Dermatology, AIIMS, Raipur, on 27th August 2023.
4. Participated in MD Thesis review meeting as

presentation "Evaluation of CD10 expression in histopathological specimens of invasive breast carcinoma and its association with clinicopathological factors" conference organized by Department of Pathology, RSDKS, GMC and Practicing Pathologists, Ambikapur, Chhattisgarh. (3rd Prize Paper).

Dr. Aastha Seth (PGJR)

1. Participated in CAPCON 2023-24 in title of presentation "Immunohistochemical Expression Of Sox 2 And Ki 67 In Squamous Cell Carcinoma Cervix And Its Correlation With Histological And Clinicopathological Parameters" conference organized by Department of Pathology, RSDKS, GMC and Practicing Pathologists, Ambikapur, Chhattisgarh. (2nd Prize Oral Paper).

Dr. Shaurya Vijayran (PGJR)

1. Participated in CAPCON 2023-24 on 11.02.2024. title of presentation "Electrocution related changes in post mortem specimens" conference organized by Department of Pathology, IAPM. (3rd Prize Poster).

member of Thesis review committee on 16.06.2023, on 4th & 8th August 2023 and on 11.12.2023.

5. Participated in 'Environment Protection Life Pledge' in Dept of Pathology on 01.06.2023.
6. Participated in 'CYCLATHON' on the occasion of 'World Environment Day' organized by Dept of Orthopedics, AIIMS, Raipur on 03.06.2023.
7. Participated in 'CYCLATHON' on the

occasion of 'World Spine Day' organized by Dept of Orthopedics, AIIMS, Raipur on 16.10.23.

Dr. Rakesh Kumar Gupta

1. Participated in AIIMS oncology conclave & Foundation Day 'Symposium on pathologist role in oncology practice' organized by NCI Jhajjar on 10th Feb. 2024.
2. Participated in BLS course 'IAP cardio-pulmonary resuscitation for health care provider' organized by Department of Pediatrics, AIIMS Raipur on 2nd Feb. 2024.
3. Participated in Research Ethics Committee 'Online Course of Research Ethics Committee (e-REC)' organized by St John's college Bengaluru on 7th-10th Dec 2021.
4. Participated in 6th teacher training program 'Medical education technologies' organized by MEU, AIIMS Raipur on 25th-27th Sep 2023.
5. Participated in CME 'PowerPoint presentation-Better to Best' organized by MEU, AIIMS Raipur on 8th-9th Sep 2023.
6. Participated in Conference 'IAP-ID 2023' organized by Dept of Pathology, AIIMS, New Delhi on 7th Dec. 2023.
7. Participated in CME 'Pre-conference international CME' organized by Dept of Pathology, AIIMS, New Delhi on 6th Dec. 2023.
8. Participated in 'Workshop on data handling

& analysis using MS excel' organized by Department of Pediatric Surgery, AIIMS Raipur, on 31st March- 1st Apr 2023.

Dr. Yashita Gupta

1. Participated in the CME "Diamond Jubilee CME in Pathology" organized by St. John's Medical College, Bangalore, Karnataka on 9th-10th August 2023.
2. Participated in the Conference "Annual Conference of Molecular Pathology Association of India- MPAICON 2024" organized by AIIMS, New Delhi on 16th to 18th February 2024.
3. Participated in the Workshop "Cytogenetics to Cytogenomics" organized by AIIMS, New Delhi on 15th February 2024.

Dr. P. Aruna

1. Participated in the MEU workshop - PowerPoint Presentation - Better to Best" on 09.09.2023.
2. Participated in the MEU Workshop -
 - i) Scientific writing.
 - ii) Digital tools for engaging 21st century learners - Organized by NTTC JIPMER on 28.09.2024.
3. Participated as a delegate in the CME - MEDUCON 2023 Organized by NTTC JIPMER, Puducherry on 28th - 30th September 2023.

DEPARTMENT OF PHARMACOLOGY

Professor and Head

Dr. Nitin Rewaram Gaikwad

Additional Professor

Dr. Yogendra Narayanrao Keche

Assistant Professors

Dr. Alok Singh

Dr. Pugazhenthan T.

Dr. Prafulla Pralhad Thaware

HIGHLIGHTS

The Department of Pharmacology offers a variety of undergraduate courses, including MBBS, B.Sc. (Hons.) Nursing and paramedical courses. In addition, the department runs the PG Course (MD-Pharmacology) and the Super Specialty Course (DM Clinical Pharmacology), with an annual intake of four (04) and two (2) seats per year, respectively. Faculty members are actively involved in research and publications, and they have undertaken many funded and non-funded research projects. The Department is also facilitating undergraduate research, and one MBBS student completed the ICMR-STs project this year.

Faculty members, senior residents (academic and non-academic), and junior residents (academic) actively participated in various CMEs and conferences and presented scientific papers. Faculty members and residents have received various awards this year at the national level.

The Department of Pharmacology is an ADR Monitoring Center for the Pharmacovigilance Programme of India (PvPI), a flagship program of

the Ministry of Health and Family Welfare, Government of India. The Department actively participates in pharmacovigilance activities and has reported 71 ADR cases. The Department commemorated the 3rd National Pharmacovigilance Week from September 17 to 23, 2023. Under this activity, the department organized a walkathon, Nukkad Natak, and an awareness campaign for healthcare professionals and the general public. Various competitions were held for the staff and students and prizes were awarded to the winner. Patients and visitors to the hospital were informed about the Consumer Form for ADR Reporting and the ADR PvPI mobile app. The Department has developed a QR code to facilitate the reporting of ADRs by the institute's healthcare professionals.

The Department of Pharmacology has also received recognition as a Medical Device Adverse Event Monitoring Center (MDMC) under the Materiovigilance Program of India (MvPI).

EDUCATION

Undergraduate teaching (MBBS and

nursing) is the department's regular academic activity. The Department introduced innovative teaching methods like symposiums, home assignments, and small group discussions, which facilitate self-directed learning among students.

During 2023-24, one (01) post-graduate student passed the final MD (pharmacology) examination, and the result was 100%. Thirty-nine (39) second-year MBBS students and 11 second-year B.Sc. (Hons.) nursing students secured

distinction in pharmacology in their respective final examinations held during 2023-24. The MBBS 2nd Professional Examination in March 2024 and the B.Sc. (Hons.) Nursing 2nd Year Final Examination in November 2023 yielded passing percentages of 100% and 92%, respectively. The B.Sc. MLT (Batch 2022), B.Sc. O.T. Technology (Batch 2021), and Pre-Hospital Trauma Technician (Batch 2022) courses had a passing percentage of 100%.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Awareness Program on Pharmacovigilance for non-teaching staff of AIIMS Raipur: Theme: Boosting public confidence in pharmacovigilance	CME	22.09.2023	Department of Pharmacology, AIIMS, Raipur
2.	Training on Antimicrobial Stewardship	CME	16.03.2024 to 30.03.2024	Department of Pharmacology, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nitin Rewaram Gaikwad

S. No.	Title	CME/Conference	Date	Organized By
1.	Approach to Medical Learning	Orientation Program for MBBS 1 st Year (2023 Batch)	05.09.2023	AIIMS, Raipur

2.	What should you know about Medicines, ADRs and Pharmacovigilance? आप को दवाओं, उनके दुष्प्रभावों और फार्माकोविजिलेंस के बारे में क्या जानना चाहिए?	CME on Pharmacovigilance: Theme: Boosting public confidence in pharmacovigilance (Pharmacovigilance Week Activities)	20.09.2023	Amity University
			21.09.2023	Kalinga University
			21.09.2023	Indian Institute of Management (IIM), Raipur
			22.09.2023	AIIMS, Raipur
			23.09.2023	Royal College of Pharmacy, Raipur
3.	Prescription writing and rational drug therapy	Post-graduate Orientation Program	11.10.2023	PG Induction Committee, AIIMS, Raipur
4.	Prescription Writing	Internship Orientation Program	15.01.2024	AIIMS, Raipur
5.	Introduction to Pharmacovigilance: Pharmacovigilance Program of India	CME on Pharmacovigilance	16.02.2024	Government Medical College, Rajnandgaon
6.	Causality Assessment			
7.	Patient Safety and Pharmacovigilance	Orientation Programme for newly joined Nursing Officers	14.03.2024	Department of Nursing, AIIMS, Raipur
8.	Role of Pharmacovigilance in Antimicrobial Stewardship	International Conference on "Current Challenges and Novel Strategies in Global Adverse Drug Reaction (ADR) Monitoring"	15.03.2024	Kalinga University, Raipur, Chhattisgarh
9.	Literature Search	Foundation Course in Research Methodology	26.03.2024	AIIMS, Raipur
10.	Analytical Study Design	Foundation Course in Research Methodology	26.03.2024	AIIMS, Raipur
11.	Informed Consent Form	Foundation Course in Research Methodology	27.03.2024	AIIMS, Raipur

Dr. Yogendra Narayanrao Keche

S. No.	Title	CME/Conference	Date	Organized By
1.	Over the Counter (OTC)/ Self Medication	CME	20.09.2023	Amity Institute of Biotechnology, AMITY University Chhattisgarh
2.	Over the Counter (OTC)/ Self Medication	CME	21.09.2023	Pharmacy College, Kalinga University
3.	Over the Counter (OTC)/ Self Medication	CME	21.09.2023	Indian Institute of Management (IIM), Raipur
4.	Good Clinical Practice	Conference	08.01.2024 to 09.01.2024	GMC Surat/ VNGMC, Yavatmal
5.	ADR reporting Forms	CME	16.02.2024	GMC, Rajnandgaon
6.	Roles and Responsibilities of Ethics Committee	Workshop	12.03.2024	AIIMS, Raipur
7.	Ethical issues in Clinical Research" as per NDCT 2019 and ICMR 2017 guidelines	Workshop	12.03.2024	AIIMS, Raipur

Dr. Pugazhenthian T.

S. No.	Title	CME/Conference	Date	Organized By
1.	Training & sensitization program on latest NTEP Guidelines.	CME	16.03.2023 to 24.03.2023	AIIMS RAIPUR by Pulmonary medicine
2.	Role of Pharmacy, Physiotherapy and Allied Health Services in Patient Care	CME	27.12.2023	Takshashila University, villupuram, Tamilnadu
3.	Side effects reporting by the PUBLIC: Need for awareness and vigilance on	CME	29.12.2023	TSM, Kallakurichi, Tamilnadu
4.	Women's health: Physical and mental fitness	CME	29.12.2023	Bharatiyar institute of engineering women, Tamilnadu

5.	Ototoxicity	Master trainer for national programme for prevention and control of deafness for medical officers (urban/rural)	18.01.2024 to 19.01.2024	AIIMS, Raipur
6.	Pharmacovigilance	CME and workshop	16.02.2024	GMC, Rajandgoan
7.	Resource person/Theme Evaluator	AVISHKAR 2024	23.02.2024	Sanjay Rungta Group Institutions, Bhilai
8.	Current challenges and Novel strategies in Global Adverse Drug Reaction (ADR) Monitoring	International conference	15.03.2024 to 16.03.2024	Kalinga University, Chhattisgarh, India
9.	National Programme for Prevention and control of deafness for Community Health Officer (CHO)	CME	13.03.2024 to 14.03.2024	AIIMS, Raipur
10.	Role of Investigator, Sponsor, IEC and regulators during seminar on GCP CHALLENGES FOR IEC MEMBERS on	National CME	28.02.2024	Saveetha Medical College Tamilnadu, Chennai
11.	Access of Drugs used in CKD	World Kidney Day 2024 CME	14.02.2024	Nephrology Department, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Yogendra Narayanrao Keche, Dr Yazhini R., Dr Nitin Gaikwad	Retrospective analysis of adverse drug interactions to the drugs prescribed in elderly at tertiary health care center in Raipur, Chhattisgarh, Central India	IntPCON 2023	23.09.2023 to 24.09.2023	GMC, Goa

2.	Pugazhenthan Thangaraju	Analysis of Research Publications on Pharmacogenomics of Sulphonylurea - A Scientometric Study.	International Conference & Workshop on Advancing Paediatric Drug Development in South Asia & Regulatory Milestone in Drug Development	21.07.2023 to 22.07.2023	South Asian College of Clinical Pharmacology (SAC-ACCP) an affiliate of American College of Clinical Pharmacology, USA in Collaboration with :VNS Group of Institutions, Bhopal
3.	Pugazhenthan Thangaraju	Ethical challenges at the time of the covid-19 pandemic- a systematic review."	15 th World Conference on Bioethics, Medical Ethics and Health Law	16.10.2023 to 19.10.2023	International chair of Bioethics, Porto Portugal
4.	Gollayala Srikanth Goud, Nitin Gaikwad , Preetam Wasnik, Padma Das, Yogendra Keche, Ujjwala Gaikwad, S. P. Dhaneria	Various antimicrobial stewardship strategies and its effect on 28-day in-hospital mortality and hospital stay in patients with sepsis	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON-2023)	01.12.2023 to 02.12.2023	Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh
5.	Prachi Arunima , Yogendra Narayanrao Keche, Preetam Wasnik, Jhasketan Meher, Amritava Ghosh, Nitin Rewaram Gaikwad, Suprava Patel	Efficacy of two doses (500 µg and 1000 µg) of Vitamin B12 supplementation on glycaemic control in poorly controlled type 2 diabetic patients with hyperhomocysteinemia	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON-2023)	01.12.2023 to 02.12.2023	Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh
6.	Abraham Joseph Kodickal , Nitin Rewaram Gaikwad, Tushar Jagzape, Yogendra Narayanrao Keche, S. P. Dhaneria	Antimicrobial use pattern and clinical outcome in pediatric patients of age group 1-14 years with Community Acquired Pneumonia admitted at Tertiary Care Teaching Hospital of Central India: A Descriptive Longitudinal Study	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON-2023)	01.12.2023 to 02.12.2023	Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh

7.	Nikunj Rajkumar Agrawal, Nitin Rewaram Gaikwad	Angiotensin Receptor Neprilysin Inhibitor (ARNI) Versus Enalapril in Patients with Heart Failure with Reduced Ejection Fraction - A Systematic Review	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON-2023)	01.12.2023 to 02.12.2023	Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh
8.	Hemasri V, Pugazhenthian T	Retrospective Analysis on the Use of Amphotericin B of any forms and posaconazole in COVID 19 associated Mucormycosis (CAM) at times of Pandemic disaster in a tertiary care teaching hospitals	5 th National Conference on Antimicrobial Stewardship (ASPICON-2023)	01.10.2023	AIIMS, Jodhpur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Clinical Profile of Patients Receiving Highly Emetogenic Chemotherapy (HEC): A Prospective Observational Study	Dr. Alok Singh	AIIMS, Raipur	1.5	Under Process	
2.	Bolus Nitroglycerin Use in Sympathetic Crashing Acute Pulmonary Edema (BoNUS): A Randomized, Open-label, Active-comparator Pilot Study.	Dr. Naman Agrawal Dr. Alok Singh (Co-investigator)	AIIMS, Raipur	01	2024 (yet to start)	5 lac
3.	Effect of Mindful-guided Meditation on Cardiovascular Autonomic and cognitive Functions in Anxiety Patients: A Pilot Study.	Dr. Ekta Khandelwal Dr. Alok Singh (Co-investigator)	AIIMS, Raipur	1.5	2024	5 lac

4.	A prospective, multi-centric, open-labeled, phase-IV study to assess safety and efficacy of LYFAQUINT [®] (Cenchaquine citrate) as a resuscitative agent for hypovolemic shock to be used as an adjuvant to standard treatment of shock.	Pugazhenthan T	Pharmazz	Till sample size reach (3 yrs)	2021-2024	17 lakhs
5.	Effect of CYP2C19 and P2Y12 genetic polymorphisms on platelet aggregation in patients on treatment with clopidogrel in Chhattisgarh Population	Pugazhenthan T	CGCost	3 extended Till sample size	2021-2024	5 lakhs

Departmental Projects - Non-Funded Projects/ ICMR-STS Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Prospective bedside study of Drug Related Problems (DRP) in patients admitted in Medical Intensive Care Unit (MICU) & HDU (High Dependency Unit) of tertiary care teaching hospital.
2.	Assessment of Drug Related Problems in Patients Admitted to the General Medicine Wards of a tertiary-care Teaching Hospital: A prospective Observational Study.
3.	Effect of maternal intravenous hydration versus oral hydration on the amniotic fluid index and perinatal outcome in pregnant women of 32-36 weeks gestational age with reduced Amniotic Fluid Index: A single blinded randomized control trial- MD Thesis.
4.	Safety and Effectiveness of Sodium-Glucose Cotransporter-2 Inhibitors in Indian Patients with Heart Failure: A Post-marketing Surveillance Study in a Tertiary Care Teaching Hospital of Central India-DM Thesis.
5.	Clinical efficacy and pharmacokinetics of colistimethate sodium and colistin in critically ill pediatric patients admitted in a tertiary care teaching hospital in India: A prospective longitudinal observational pilot study- MD Thesis.
6.	Prevalence of metabolic syndrome and its risk factors in patients receiving Clozapine therapy for schizophrenia- A prospective observational study - MD Thesis.
7.	Evaluation of Educational Value of YouTube Videos about Antimicrobial Resistance or Stewardship in accordance with standard guideline (WHO/ICMR)".
8.	Evaluation of efficacy and safety of scalp cooling unit in prevention of alopecia in breast cancer patients undergoing chemotherapy regimen - A prospective observational study.

9.	An open-label, randomized, pragmatic clinical trial comparing the current clinical practices to pharmacist guided optimization of antimicrobial therapy based on average creatinine-urea clearance in critically ill patients - A Pilot study.
10.	The Effect of Various Corticosteroids in the Hospitalized patients with Moderate and Severe COVID-19: A Tertiary Hospital Experience.
11.	A Serial Point Prevalence Survey on Antimicrobial Use Amongst the Admitted Patients in Critical Care Settings of a Tertiary Care Teaching Hospital In Raipur District.
12.	Evaluation of fatigue assessment and quality of life in patient with breast cancer receiving anthracycline and cyclophosphamide chemotherapy regimen in tertiary health care in Raipur: a prospective observational study.
13.	Implementing Antimicrobial Prescription Checklist to Improve Antimicrobial Prescription Quality - A Pilot Project Towards Antimicrobial Stewardship.
14.	Assessment of reporting quality of drug related animal studies conducted in and outside India from 1 st October, 2020 to 31 st September, 2023 and published in MEDLINE Indexed journals: Adherence to ARRIVE - Updated 2020 guidelines
15.	A prospective observational study of anticancer drugs induced adverse drug reactions in cohort of cancer patients in a tertiary care hospital of Chhattisgarh.

Completed

S. No.	Project
1.	Retrospective analysis of Informed Consent Document as per ICMR National Ethical Guidelines for Biomedical and Health Research involving Human Participants 2017 and New Drugs and Clinical Trial Rule 2019.
2.	The effect of various corticosteroids in the hospitalized patients with moderate to severe COVID -19: A tertiary hospital experience MD Thesis.
3.	Retrospective Analysis on the Use of Amphotericin B of any forms and posaconazole in COVID 19 associated Mucormycosis (CAM) at times of Pandemic disaster- A situational analysis of a Single center and Review of International Guidelines,- Intramural.
4.	Utility of offline and online tools to detect inappropriate prescription in elderly population in a tertiary care teaching hospital, Raipur, Chhattisgarh, India - A retrospective analysis.
5.	Efficacy of two doses of Vitamin B12 supplementation (500 mcg & 1000 mcg) on glycemic control in poorly controlled type 2 diabetic patients with hyperhomocysteinemia.
6.	Antimicrobial Use Pattern and Clinical Outcome in Pediatric Patients of Age Group 1 - 14 Years with Community Acquired Pneumonia admitted at a Tertiary Care Teaching Hospital of Central India: A Descriptive Longitudinal.

Collaborative Projects

Ongoing

Sr. No.	Title of the Project	Collaborating Department/ Institution
1.	Mapping the genetic allele polymorphism of Drug Metabolizing Enzymes (DMEs) in Indian population with prospective Pharmacogenomics application.	Amity University, Raipur
2.	Teck neckal solution	IIT, Bhilai
3.	Handy low-cost lithium estimator for community psychiatrist.	IIT, Bhilai
4.	AI in leprosy	VIT. Vellore

PUBLICATIONS

1. MP Gurunthalingam, YN Keche, NR Gaikwad, S Dhaneria, MP Singh, MG Prakash, et al. (May 10, 2023) Appropriateness of Surgical Antibiotic Prophylaxis in a Tertiary Care Teaching Hospital in Central India: A Retrospective Analysis. *Cureus* 15(5): e38844. DOI 10.7759/cureus.3884.
2. Yogendra Narayanrao Keche (Editorial) "Regulatory and Ethical Concerns for the Research on Platelet Rich Plasma (PRP)". *Acta Scientific Pharmacology* 4.4 (2023): 01-02.
3. V Chandrawanshi, NR Gaikwad, Y Keche, P Wasnik, S Dhaneria, (October 17, 2023) Ten-Year cardiovascular Risk as Predicted by the QRISK®3 Calculator in Diabetic Patients Attending a Tertiary Care Teaching Hospital in Central India and Its Application to Stratify Statin Over-Users and Under-Users. *Cureus* 15(10): e47213. DOI 10.7759/cureus.47213.
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 13. Sahoo AK, **Singh A**, Gupta D, Dhaneria S, Arunima P. Assessment of Potential Drug-drug Interactions (pDDIs) and Their Risk Factors Among Hospitalized Cardiac Patients in a Tertiary-care Centre of Central India: A Retrospective Record-based Study. *Hospital Pharmacy.* 2023;0(0). doi:10.1177/00185787231182569.
 14. Khandelwal E, Tripathi S, Gupta A, **Singh A**. Profile of Cardiovascular Autonomic Dysfunctions in Breast Cancer Patients. *Cureus.* 2023;15(10):e46773.
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PATIENT CARE

- Department of Pharmacology, AMC under PvPI, is actively collecting the ADR reports from OPD and IPD of AIIMS Raipur. These reports are analyzed by Faculty Members of Department of Pharmacology for its causality assessment. The data of these ADR reports is submitted to IPC Ghaziabad, National Coordinating Centre for PvPI, through Vigiflow software. This data is further integrated with WHO-Uppsala ADR Monitoring Centre Sweden.
- Total No. of ADRs reported from our centre to National Coordinating Centre (April 2023 to March 2024): 71

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Nitin Rewaram Gaikwad

1. First Prize in Oral Paper Presentation Category, Scientific Paper titled "Various antimicrobial stewardship strategies and its effect on 28-day in-hospital mortality and hospital stay in patients with sepsis" at NAPTICON - 2023 in Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON - 2023), Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh from 30th November to 2nd December 2023.
2. Chairperson for Scientific Session in Tuberculosis Symposium-2024, Organized by NTEP Unit, Department of Pulmonary, Critical Care and Sleep Medicine, AIIMS Raipur on 30.03.2024.
3. Quiz Master for Medical Quiz on "Infectious Diseases" at ORIANA-2023.
4. Number of copyright registered - 01

Dr. Pugazhenthan T.

1. Number of Patents granted - 02
2. Number of copyrights registered - 07

Other Departmental Achievements

1. Dr. Prachi Arunima (3rd Year Junior Resident - Academic) and Dr. Joseph Abraham (3rd Year Junior Resident - Academic) won 1st Prize in

National PG Quiz held in Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON - 2023), Organized by Department of Pharmacology, King George's Medical University, Lucknow, Uttar Pradesh from 30th November to 2nd December 2023.

2. Dr. Yazhini R (3rd Year Junior Resident - Academic) won 1st Prize in Poetry Competition as a part of celebration of 3rd National Pharmacovigilance Week - 2023: Theme: Boosting Public Confidence in Pharmacovigilance.
3. Dr. V. Hemasri (3rd Year Junior Resident - Academic) won 2nd Prize in e-Poster Competition as a part of celebration of 3rd National Pharmacovigilance Week-2023: Theme: Boosting Public Confidence in Pharmacovigilance.
4. Dr. Mahesh Kumar B, the former MD Pharmacology Resident, secured first rank in INI-SS examination for the DM Clinical Pharmacology Course and currently pursuing DM Clinical Pharmacology at PGIMER, Chandigarh.
5. Dr V. Hemasri (3rd Year Junior Resident - Academic) represented AIIMS Raipur at National Level Quiz on Antimicrobial Stewardship at 5th National Conference on Antimicrobial Stewardship (ASPICON-2023) held at AIIMS Jodhpur.

VISITING SCIENTIST(S)

- ◆ Dr. Chetna Desai, Professor & Head, Department of Pharmacology, BJ Medical College and Civil Hospital, Ahmedabad, Gujarat
- ◆ Dr. Tripti Swain, Professor and Head, Department of Pharmacology, SCB Medical College, Cuttack
- ◆ Dr. Sudhir Sarangi, Additional Professor, Department of Pharmacology, AIIMS Raipur
- ◆ Dr. Amol Patil, Additional Professor, Department of Pharmacology, PGIMER, Chandigarh.

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

Associate Professors

Dr. Jaydeep Nandi

Dr. Amol B Khade

Assistant Professor

Dr. Raunak Kumar

HIGHLIGHTS

The Physical Medicine and Rehabilitation Department initiated some newer services this year through 'Gait and Motion Laboratory cum Virtual Rehabilitation Unit' which was inaugurated in PMR Department ground floor on 27.10.23. PMR IPD patients now get initial assessment and subsequent training in *Balance system* and *Virtual reality* equipment's of the Gait Laboratory; also, the patients with impaired gait are assessed in *G-walk*, *P-walk* and *3D Gait analysis* equipment's of the same laboratory for better diagnosis cum biofeedback.

Besides that, with the help of 5 MD-PMR residents, 2 Senior Residents and 8 allied health staffs, the Department runs *PMR OPD* (21,776 patient in 2023-24), *PMR IPD* (172 patients

rehabilitated in 2023-24), *USG guided interventions room* (659 procedures in 2023-24), *NCV laboratory* (127 tests in 2023-24), *PO workshop* (89 products in 2023-24) and multiple other services. The Department ran two clinics weekly viz., *Paralysis Clinic* (347 patients rehabilitated in 2023-24) and *Amputation Clinic* (44 patients rehabilitated in 2023-24).

PMR Department is fast becoming a preferred destination for patients suffering from painful and paralytic conditions in the City and the State. Many spinal cord injury, stroke, brain injury, amputation, cerebral palsy patients experienced upright standing, unassisted walking or continent bladder and bowel for the first time after a long gap of as long as six years after visiting the PMR Department.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Jaydeep Nandi**

S. No.	Title	CME/Conference	Date	Organized By
1.	Dysphagia management	IAPMR Mid Term Conference (Theme: Traumatic Brain Injury - Looking toward to Life)	14.09.2023 to 17.09.2023	AIIMS, Jodhpur PMR Department and IAPMR
2.	Disability etiquette	CME on IDPWD/ International day with persons with disabilities (Theme: Universal accessibility/ Upliftment of disabled)	04.12.2023	AIIMS, Raipur PMR Department
3.	Rehabilitation of cognitive issues in CVA	12 th Annual Conference of the Neurological Surgeon Society of India (NSSICON)	23.02.2024 to 25.02.2024	AIIMS, Raipur Neurosurgery Department and Chhattisgarh Association of Neuroscientists

Dr. Amol B Khade

S. No.	Title	CME/Conference	Date	Organized By
1.	Demonstration of MSK blocks in lower limb	CME on Musculoskeletal USG in pain Medicine	25.08.2023	AIIMS, Bibinagar PMR Department
2.	Gait analysis using 3D Gait analyzer	Workshop on Gait training	12 to 14.10.2023	AIIMS, Mangalagiri PMR Department
3.	Developing disabled friendly environment	CME on IDPWD/ International day with persons with disabilities (Theme: Universal accessibility / Upliftment of disabled)	04.12.2023	AIIMS, Raipur PMR Department

Dr. Raunak Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	"Rehabilitation of cervical spine"	World spine day CME	16.10.2023	AIIMS, Raipur Orthopaedics Dept
2.	"Importance of PWD day"	CME on IDPWD/ International day with persons with disabilities (Theme: Universal accessibility / Upliftment of disabled)	04.12.2023	AIIMS, Raipur PMR Department

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Ongoing**

S. No.	Project
1.	Epidemiology and morbidity issues of cerebrovascular accident, spinal cord injury and traumatic brain injury patients admitted over last 5 years in a referral rehabilitation set up: a retrospective analysis.
2.	A cross sectional analysis of prosthesis & orthosis workshop functioning in a central indian tertiary care hospital identifying the commonest illness catered to, most common p & o products fabricated and standard duration of delivery time.
3.	A study on structural integrity of prosthetic socket plastic composites commonly available in a metro city of central india.
4.	A comparative study of electrophysiological changes in posterior tibial nerve (ptn) of leprosy patients and normal volunteers.
5.	Comparison of trigger point release technique of repetitive needling with lignocaine versus lignocaine plus steroid in management of myofascial trigger points - a randomized controlled trial.
6.	Plantar pressure distribution and spatiotemporal gait parameters in plantar fasciitis before and after usg guided intervention.

Completed

S. No.	Project
1.	Prevalence of respiratory dysfunction amongst cerebral palsy patients in a tertiary care hospital of central India.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	A cross sectional study on clinical characteristics of pain in leprosy patients attending a tertiary care centre in chhattisgarh, india	Dermatology, AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Nutritional status of children with cerebral palsy at a tertiary care hospital	Pediatrics, AIIMS Raipur
2.	Prevalence of peripheral neuropathy in patients of hyperthyroidism: a cross sectional study	Gen Medicine, AIIMS, Raipur

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Dr. Jaydeep Nandi	"Speech Rehabilitation"	Prof Dr A K Joy Singh	IAPMR Text-book	1 st	New Delhi	Salubris Medical Publishers	Feb. 2024	1-824

PATIENT CARE

	OPD	IPD	Minor OT	Tests	Special Clinics	Or any other facility
Total	21,776	172	USG guided interventions-659	NCV-127	Paralysis Clinic-347 Amputation Clinic-44	PO Workshop services-89 Occupational Therapy Service-1926 SWD-433 UST-407 CPM-10 IFT-632 TENS-317 Cervical Lumbar Traction-145 NMES-44 High Volt Pulsed Stimulation-7 Partial Body Weight Support Trademill-102 Virtual Reality Training (Nirvana)-35 Foot Pressure Analysis (P. Walk)-10 Gyroscopic Gait Analysis (G. walk)- 14 3D Gait Analysis-9 Balance Training (Balance SD)- 30

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr. Jaydeep Nandi participated in a Panel Discussion on 'Balance rehabilitation' in the 11th CG State ENT Annual Conference on 1st and 2nd March 2024 jointly organized by AIIMS Raipur ENT Department and Association of Otolaryngologist of India. He is serving as Executive Body Member of 'Indian Association of Physical Medicine and Rehabilitation' in the Executive Committee of 2023-2025 after Election held in January 2023. Dr. Amol B Khade participated as Chairperson in IAPMR Midterm CME 2023 held at AIIMS Jodhpur on 16th to 17th September 2023 jointly organized by AIIMS Jodhpur and IAPMR.
- PWD Day (4th December 2023) was celebrated with a one-day awareness CME at PMR Department.

PICTURE GALLERY:



PICTURE LEGEND: PMR TEAM IN FRONT OF GAIT LABORATORY (2023)



PICTURE LEGEND: RESPECTED PRESIDENT AIIMS RAIPUR AND EX DIRECTOR AIIMS RAIPUR ON THE DAY OF GAIT LABORATORY INAUGURATION (2023)



PICTURE LEGEND: FIVE SERVICES OF GAIT LABORATORY IN PROGRESS (BALANCE SD, VIRTUAL REALITY, 3D GAIT ANALYSIS, G-WALK, P-WALK)



PICTURE LEGEND: NEWLY REFURBISHED (2023) NEUROREHABILITATION ROOM FOR PHYSIOTHERAPY OF ADMITTED PMR PATIENTS (Equipped with Tilt tables, Parallel bar, Rowing machine, Exercise bike, Postural training mirror, Wheelchair training area etc. and trains spinal cord injured patients from bed bound position to independent upright ambulation)



PICTURE LEGEND: NEWLY INSTALLED PARTIAL BODY WEIGHT SUPPORTED TREAD MILL (2023) FOR ADMITTED PMR PATIENTS (trains cerebrovascular accident or traumatic brain injury patients in initial hands free ambulation)



PICTURE LEGEND: NEWLY OPENED SENSORY INTEGRATION ROOM (2023) FOR OCCUPATIONAL THERAPY (equipped with Trampoline, Strap wedges, Tadpole positioner, Ball bath, Tortoise shell suspension, Swing system, Finger exerciser, Standing frame, CP chair, etc. and trains cerebral palsy children in prone, supine, sitting and standing-walking phases)

DEPARTMENT OF PHYSIOLOGY

Professor & Head

Dr. Ramanjan Sinha

Professors

Dr. Meenakshi Sinha

Dr. Avinash S. Ingle

Additional Professors

Dr. Ekta Khandelwal

Dr. Jayshri R. Ghate

Associate Professors

Dr. Upasana Kachroo

Dr. Anagha A. Phadke

Dr. Anil Latiyar

Assistant Professors

Dr. Arunita T. Jagzape

Dr. Dipali K. Chatur

HIGHLIGHTS

Department of Physiology has been conducting teaching activities for several courses which includes MD, MBBS, BSc Nursing, BMLT and OTT. Besides, four students are pursuing their research work towards obtaining PhD degree guided by faculty of the department. The Departmental faculty were actively involved as Program Lead and Members of AIIMS Raipur - American Heart Association HOCPR Community Training Program on cardiac health awareness to over 7000 trainers and participants & organized online competitions for medical and engineering students. Faculty also contributed towards joint IIT Bhilai - AIIMS Raipur training program for

M.Tech-PhD students of IIT Bhilai and trained B.Tech students of NIT Raipur. Further, a National Symposium was organized online by the department on "AI in Physiology and Healthcare" highlighting different aspects of AI applications in teaching learning Physiology and diagnostics. Post-graduate students held interactive workshops on development of AI enabled Medical Devices and Python Coding for MBBS students. Other major highlights include our faculty being President of Academy of Physiology in India, winning 1st prizes in conferences on AI and Pharmacovigilance, IPRs, copyrights and publication and authorship of book. The faculty provided resource at various National and Institutional scientific and academic events which

includes Medical Education and National Associations such as APPI, ASSOPI, AOP, Society for Chronomedicine & other scientific bodies. Besides, the department is currently conducting upto 20 Intramural and Extramural research projects, in addition to MD and PhD thesis/dissertation work, in collaboration with several clinical and preclinical departments from within and outside AIIMS, Raipur which include extensive studies on Tribal diseases, Sickle Cell Disease, Yoga & lifestyle, cancer studies, diabetes,

NAFLD & Covid-19, etc. The research included high-end PhD work, medical education, etc.as reflected in wide range of national and international publications mainly in Pubmed indexed journals. Besides, patient care activities included regular reporting of patients referred to Autonomic & Vascular Function Laboratory, occasionally referred patients for NCV-EMG and regularizing Cardio-pulmonary Exercise Testing Laboratory at AIIMS Hospital.

EDUCATION

Innovative Educational Activities	<ul style="list-style-type: none"> ● Teaching-Learning simulation based physiological & medical skills for Post-graduates were conducted at Simulation & Skill Lab of AIIMS, Raipur. ● A Gut-Biota Interface Model was designed by Faculty for facilitating Post-Graduate learning. ● MBBS students were taught to develop Mind Maps and Flowcharts on Membrane transport and were guided for copyrighting these original concepts by faculty. ● Faculty developed a Formative Assessment tool for MBBS students using "Viva-voce using Objective, Integrated, Clustered Examination Software (VOICES)", as an oral assessment app with National Informatics Centre, Govt of India. ● A workshop on AI based development of Medical devices and Python Coding was conducted by our Post-Graduate students to update learning skills of MBBS Students. ● Demonstration of development of heart and circulation in Zebra Fish embryo was made by our Post-Graduate students for understanding circulatory dynamics. ● Our Post-Graduate student developed Proof-of-Concept for an AI Interactive Body composition Scale through Large Language Model and fine tuning. ● Our Post-Graduate student developed hands-on study model for biosignal analysis a Plotting EEG using Python Libraries: A hands-on study model for biosignal analysis for Biomedical engineering students
Short Term Training/ Resource Faculty	<ul style="list-style-type: none"> ● Faculty were resource in various Research Methodology, Medical Education & Faculty Training programs at AIIMS, Raipur. ● Faculty provided Short-Term Training to B.Tech (Biomed Engg) students of NIT Raipur and resource for M.Tech-PhD students of IIT-Bhilai. ● Faculty were resource in CME organized by the department on AI & Physiology and other CMEs ranging from Sports Medicine, Chronomedicine, Ayurveda-Cardiology & Advanced ECG practices.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	National CME-cum-workshop titled "AI in Physiology and Healthcare"	National CME-cum-workshop	09.12.2023	Department of Physiology, AIIMS Raipur, in association with Academy of Physiology

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Ramanjan Sinha**

S. No.	Title	CME/Conference	Date	Organized By
1.	PhD Program at AIIMS, Raipur - how to go about	Foundation Course in Research Methodology for MD and PhD Program	March, 2024	Academic Section, AIIMS, Raipur
2.	Introduction to Health Research	Foundation Course in Research Methodology for MD and PhD Program	March, 2024	Academic Section, AIIMS, Raipur
3.	Project Management in Medical Research	MBBS Medical Education Program	February, 2024	Medical Education Unit, AIIMS, Raipur
4.	Giving Effective Feedback	Teacher's Training Workshop for Medical Professionals	October, 2023	Medical Education Unit, AIIMS, Raipur

Dr. Meenakshi Sinha

S. No.	Title	CME/Conference	Date	Organized By
1.	Interrelation between Circadian rhythm, Chronotype and Cognition.	CME-Refresher Course in Life Science, UGG-Malaviya Mission Teacher Training Centre (MMTTC)	02.02.2024	PRSU, Raipur

Dr. Avinash Ingle

S. No.	Title	CME/Conference	Date	Organized By
1.	Translating Physiology to Sports Science & Medicine Practice	Chaired a session in Conference of Association of Physiologists and Pharmacologists of India - APPICON-2023	01.12.2023	Organised Departments of Physiology and Pharmacology, AIIMS, Kalyani
2.	Cardiac Impulse Conduction	Advanced Emergency ECG Symposium (ACES24), AIIMS Raipur	27.01.2024	Department of Trauma and Emergency, AIIMS Raipur
3.	Organised workshop & Talk on 'Oral Examination & Viva Voce along with role-play	Teacher's Training Workshop for Medical Professionals	13.10.2023	Medical Education Unit, AIIMS, Raipur

Dr. Ekta Khandelwal

S. No.	Title	CME/Conference	Date	Organized By
1.	Heart Rate Variability: Physiological modulation of Heart	2 nd National Ayurved Cardiology Symposium	May, 2023	Mumbai
2.	Neurophysiology of YOGA	National CME	16.06.2023	NMCN project MoHFW, New Delhi
3.	OSPE	Teacher's Training Workshop for Medical Professionals	October, 2023	Medical Education Unit, AIIMS, Raipur

Dr. Jayshri R Ghate

S. No.	Title	CME/Conference	Date	Organized By
1.	Simulation in Medical Education	Foundation Course for 1 st year MBBS Student (Batch 2023)	06.09.2023	MEU, AIIMS Raipur
2.	HOCPR Training for School Children	School Health Programme	24.01.2024	College of Nursing, AIIMS, Raipur

Dr. Upasana Kachroo

S. No.	Title	CME/Conference	Date	Organized By
1.	Effective Communication	Foundation Course for 1 st year MBBS Student (Batch 2023)	06.09.2023	MEU, AIIMS, Raipur
2.	Importance of HOCPR awareness: for School students	World Day of Remembrance for RTA Victims	30.11.2023	Department of Nursing, AIIMS, Raipur

Dr. Anagha Phadke

S. No.	Title	CME/Conference	Date	Organized By
1.	Beyond the surface: Unraveling complex dynamics of fat tissue- The silent challenge of Adiposopathy	National CME on AI in Physiology and Healthcare	09.12.2023	Department of Physiology, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Arunita T Jagzape, Athira Das	Gut Microbiota-Interface model	Artificial Intelligence/Machine learning application to develop biomarkers for neurological disorders	August 2023	Koneru Lakshmaiah Education Foundation, Vijaywada, Andhra Pradesh
2.	Khandelwal E	Endothelial Dysfunction in Adult Patients of Sickle Cell Disease	9 th Annual National Conference of Association of Physiologists of India	October, 2023	Dept of Physiology, KGMU, Lucknow

3.	Tarun Sahu, Meenakshi Sinha, Ramanjan Sinha, Preetam Wasnik, Avinash Ingle, Sai K Tikka	Effect of Long Term Slow Deep Breathing Exercise on Electrophysiological and Psychological Correlates of Cognition in Adult Homozygous Sickle Cell Disease Patients	9 th National Conference of Association of Physiologists of India	October, 2023	Dept of Physiology, KGMU, Lucknow
4.	Vishnu Akhil, Jagzape AT, Takeswar H	Plotting EEG using Python Libraries: A hands-on study model for biosignal analysis for Biomedical engineering students	9 th National Conference of Association of Physiologists of India	October, 2023	Dept of Physiology, KGMU, Lucknow
5.	Vishnu Akhil, Jagzape AT, Takeswar H	Plotting EEG using Python Libraries: A hands-on study model for biosignal analysis for Biomedical engineering students	9 th National Conference of Association of Physiologists of India	October, 2023	Dept of Physiology, KGMU, Lucknow
6.	Arunita T Jagzape, A K Somasekhar, Ramanjan Sinha	Formative assessment incorporating Viva- voce using Objective, Integrated, Clustered examination Software (VOICES)	14 th national Conference on Health professions Education	November, 2023	K J Somaiya Medical College and Research Centre Sion, Mumbai
7.	Athira M Das, Meenakshi Sinha, Babita Pande, JayshriGhate, Arunita Jagzape, Ramanjan Sinha	Effect of fasting and fed state on the electrophysiological and psychological correlates of cognition in morning and evening chronotypes	68 th National Conference of Association of Physiologists & Pharmacologists of India	December, 2023	Department of Physiology, AIIMS, Kalyani
8.	Tarun Sahu, Meenakshi Sinha, Ramanjan Sinha, Preetam Wasnik, Avinash Ingle, Sai K Tikka	Assessment of Neurocognitive Execution & Inhibition processes in Adult Homozygous SCD patients	68 th National Conference of Association of Physiologists & Pharmacologists of India	December, 2023	Department of Physiology, AIIMS, Kalyani

9.	Vishnu Akhil Raj Kumar Yerra, Jayshri R Ghate, Meenakshi Sinha, Dipali K Chatur, Pritam Wasnik, Amritava Ghosh	Assessment of Cognitive dysfunction in patients of Type 2 Diabetes Mellitus with peripheral neuropathy	68 th National Conference of Association of Physiologists & Pharmacologists of India	December, 2023	Department of Physiology, AIIMS, Kalyani
10.	Dipali Chatur, Jayshri Ghate, Saroj Pati, R Nanda, Meenakshi Sinha	Assessment of peripheral nerve function in Shift workers with Non-Alcoholic Fatty Liver Disease	68 th National Conference of Association of Physiologists & Pharmacologists of India	December, 2023	Department of Physiology, AIIMS, Kalyani
11.	Babita Pande, Meenakshi Sinha, Ramanjan Sinha, Ajoy Kumar Behera, Arti Parganiha, Rachita Nanda, Lokesh Kumar Singh	Association among circadian rest-activity and illuminance rhythms, sleep-wake pattern, cognitive and pulmonary functions in Chronic obstructive pulmonary disease	9 th Indian Society of Chronomedicine	December, 2023	Indian Society of Chronomedicine, Jaisalmer
12.	Akriti Jaiswal, Babita Pande, Meenakshi Sinha, Ramanjan Sinha, Ajoy K Behera, Jayshri Ghate, Arunita Jagzape	Circadian and Circasemidian Rhythms of Heart Rate Variability as Cardiac Risk marker in Asthma Patients	9 th Indian Society of Chronomedicine	December, 2023	Indian Society of Chronomedicine, Jaisalmer
13.	Vishnu Akhil, Tikeshwar Hirwani, Arunita T Jagzape	Development of Proof-of-Concept for an AI Interactive Body composition Scale through Large Language Model and fine tuning	4 th Science Conclave cum National Biomedical research	December, 2023	ESIC Alwar, Rajasthan

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A study on analysis of effectiveness of assessment tools in stratifying performance during formative assessment of first year MBBS students in Physiology (Intramural)	Dr. Ramanjan Sinha	AIIMS, Raipur	2 years	2021-2023	Non-funded
2.	Validation of Hindi version of 'reduced-Morningness-Eveningness Questionnaire' (rMEQ)	Dr. Ramanjan Sinha	AIIMS, Raipur	2 years	2021-2023	Non-funded
3.	Cardio-autonomic profile and cognitive status of COPD patients in tribal population of Chhattisgarh with reference to genetic polymorphism: Identification of reliable functional & molecular risk predictors	Dr. Meenakshi Sinha	ICMR-NCD	3 years	2024-2027	37,22,751/-
4.	Effect of yoga-based lifestyle changes on epicardial fat thickness, intima-media thickness, pulse wave velocity, VO2 max and anthropometric parameters in obese young adults	Dr. Avinash S. Ingle	Central council for Research in Yoga & Naturopathy	2 years	2023-2025	9,93,524/-
5.	Evaluation of Chemotherapy induced Cardiac Autonomic Dysfunctions in Cancer Patients of Chhattisgarh	Dr. Ekta Khandelwal	CGCOST	2 years	2021-2024	5,00,000/-
6.	AHA- AIIMS Raipur Community Hands-only cardiopulmonary Resuscitation (HOCPR) Training Program: A prospective cohort study	Dr. Jayshri Ghate	American heart Association	1 year	2023	2,85,000/-
7.	Association between P53 codon 72 polymorphism and diabetic polyneuropathy in type 2 diabetes mellitus: A pilot study	Dr. Jayshri Ghate	AIIMS, Raipur	1 yr Extended for 6 months more	2022	4,60,000/-

8.	Correlation of Autonomic dysfunction with decreased pulmonary function to assess the disease severity in adult patients of a topic asthma: A Pilot study	Dr. Anil Latiyar	AIIMS, Raipur	1 year	2023-2024	5,00,000/-
9.	Effect of body fat percentage on non-alcoholic fatty liver disease & its relation with nerve conduction parameters in health care shift workers	Dr. Dipali K. Chatur	AIIMS, Raipur	1 year	2022-2023	4,96,650/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Electrophysiology of Cognition and its correlation with Neuromarkers in Sickle Cell Disease patients: a case controlled study	Dr. Ramanjan Sinha	AIIMS, Raipur	1 year	2022-2023	4,96,700/-
2.	Assessment of Cognitive Functions & its Association with Sleep-Wake Pattern and Light at Night (LAN) Exposure Duration in Chronic Obstructive Pulmonary Disease (COPD) Patients	Mentor/Guide- Dr. Meenakshi Sinha Principal Investigator - Dr. Babita Pandey (as Post Doctoral Fellow)	Post Doctorate Fellowship program of Cognitive Science Research Initiative of DST, Govt. of India	3 years	2020-2023	24,33,200/-
3.	Correlation of circadian rhythmicity of Rest-Activity with Heart Rate Variability in Bronchial Asthma & its clinical Implication	Dr. Meenakshi Sinha	AIIMS, Raipur	2 year	2021-2023	4,99,500/-
4.	A short online survey for the effects of increased digital screen time on school-going children's vision and health during COVID-19 pandemic by the customized mobile application	Dr. Avinash S. Ingle	AIIMS, Raipur	1 year	2022-2023	1,70,000/-
5.	Prevalence of metabolic syndrome in tribal and non-tribal population of Patan block of Chhattisgarh state: a pilot study	Dr. Jayshri R Ghatge	ICMR-NIRTH Jabalpur	1 year	2022-2023	4,36,000/-

Departmental Projects (including Thesis/Dissertations)

Ongoing

S. No.	Project
1.	Modulation of cardiac autonomic rhythm as an effect of Yogic Bellows (Faculty project).
2.	Effect of conventional therapy on cardiac autonomic functions, and biochemical markers among polycystic ovary syndrome patients (Faculty project).
3.	Assessment of cardiovascular autonomic functions in subclinical cases of Diabetes (Faculty project).
4.	Impact of preferred background music on neuro-physiological co-relates of cognitive performance in college students: An interventional study (Faculty project).
5.	Effect of playing table tennis on peripheral and central neuronal activities in professional table tennis players (Faculty project).
6.	Effect of Short Term Slow Deep Breathing Practice on Electrophysiological and Biochemical correlates of Neurocognition in Sickle Cell Disease (Ph.D. thesis).
7.	Circadian Rhythm of Rest-Activity and Heart Rate Variability & its relation to Genetic Polymorphism in Asthmatic patients (Ph.D. thesis).
8.	Effect of Oral alpha-lipoic acid supplementation on nerve function impairment assessed using nerve conduction studies and ultrasound techniques among newly diagnosed leprosy patients : A pilot randomized clinical trial (Ph.D. thesis).
9.	Evaluation of H-reflex Rate Dependent Depression as an indicator of spinal disinhibition in patients with diabetic polyneuropathy and its molecular correlates (Ph.D. thesis).
10.	Impact of fasting and fed state on the cognitive ability of morning and evening chronotypes (M.D. thesis).
11.	Cognitive dysfunction in Diabetic neuropathy patients: an electrophysiological approach (M.D. thesis).
12.	Evaluation and Scoring of Cardiovascular Autonomic Dysfunction in adult patients of Sickle Cell Syndromes attending tertiary health care center in Central India (M.D. thesis).
13.	Assessment of cognitive executive functions and Chronotype in obese pediatric subjects: A cross sectional analytical study (M.D. thesis).
14.	Assessment of cognitive status and optic nerve function in newly diagnosed patients of hyperthyroidism : a comparative, prospective, observational study (M.D. thesis).
15.	Electrophysiological Correlates of Cognition in Children with Legg-Calvé-Perthes disease (M.D. thesis).

Completed

S. No.	Project
1.	Association of evening chronotype with obesity and metabolic syndrome in young adults.
2.	Effect of chemotherapy on autonomic functions in patients of breast cancer.
3.	Spectrum of autonomic dysfunction in RTPCR positive post COVID -19 patients in central India.
4.	Cardiac Autonomic Neuropathy in Newly Diagnosed Diabetes Mellitus Patient.

Collaborative Projects**Ongoing**

Sr. No.	Project	Collaborating Department/ Institution
1.	Cardio-autonomic profile and cognitive status of COPD patients in tribal population of Chhattisgarh with reference to genetic polymorphism: Identification of reliable functional & molecular risk predictors	Dept. of Pulmonary Medicine, AIIMS, Raipur and School of Life Sciences, PRSU, Raipur
2.	Electrophysiology of Cognition and its correlation with Neuromarkers in Sickle Cell Disease patients: a case controlled study	Dept. of Biochemistry, AIIMS, Raipur
3.	Effect of conventional therapy on cardiac autonomic functions, and biochemical markers among polycystic ovary syndrome patients	Department of OBG, AIIMS, Raipur
4.	Assessment of cardiovascular autonomic functions in subclinical cases of Diabetes	Dept. of Medicine, AIIMS, Raipur
5.	Evaluation of Chemotherapy induced Cardiac Autonomic Dysfunctions in Cancer Patients of Chhattisgarh	Dept. of Oncosurgery, Pt. JNM Medical College, Raipur
6.	Association between P53 codon 72 polymorphism and diabetic polyneuropathy in type 2 diabetes mellitus: a pilot study	Departments of Biochemistry, General Medicine and Endocrinology, AIIMS, Raipur
7.	AHA-AIIMS Raipur Community hands only Cardiopulmonary Resuscitation (HOCPR) Training Program-A prospective cohort study	Departments of Orthopedics, Paediatrics, Anesthesiology, Trauma and Emergency Medicine, AIIMS, Raipur
8.	Effect of body fat percentage on nonalcoholic fatty liver disease & its relation with nerve conduction parameters in health care shift workers	Department of Radiodiagnosis and Department of Biochemistry

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Assessment of Cognitive Functions & its Association with Sleep-Wake Pattern and Light at Night (LAN) Exposure Duration in Chronic Obstructive Pulmonary Disease (COPD) Patients	Dept. of Pulmonary Medicine, Dept of Biochemistry & Dept. of Psychiatry, AIIMS, Raipur and School of Life Sciences, PRSU, Raipur
2.	Correlation of circadian rhythmicity of Rest-Activity with Heart Rate Variability in Bronchial Asthma & its clinical Implication	Dept. of Pulmonary Medicine, AIIMS, Raipur
3.	Comparative assessment of facial nerve function in transmassetric and transparotid approach for open reduction and internal fixation of mandibular condylar fractures - A randomized control trial	Dept. of Dentistry and maxillofacial surgery, AIIMS, Raipur
4.	Prevalence of metabolic syndrome in tribal and non-tribal population of Patan block of Chhattisgarh state: a pilot study	MRHRU Jheet, Durg, ICMR-NIRTH Jabalpur (Mentor Institute). Department of Biochemistry and General Medicine, AIIMS, Raipur

PUBLICATIONS

- Sahu T, Pande B, Verma HK, Bhaskar LVKS, **Sinha M, Sinha R** and Rao PV. Infection and Potential Challenge of Childhood Mortality in Sickle Cell Disease: A Comprehensive Review of the Literature from a Global Perspective. *Thalass. Rep.* 2023, 13(3), 206-229; DOI: 10.3390/thalassrep13030019
- **Khandelwal E**, Jain M. Vascular dysfunction in patients with type 2 diabetes mellitus. *Annals of Clinical Neurophysiology* 2023; 25(1): 32-37.
- **Khandelwal E**, Jain M, Jain M. Profile of Cardiovascular Autonomic Dysfunctions (CAD) in Cancer Patients. *European Journal of Cardiovascular Medicine.* 2023; Vol. 13(1); 16-19.
- **Khandelwal E**, Tripathi S, Gupta A, Singh A. Profile of Cardiovascular Autonomic Dysfunctions in Breast Cancer Patients. *Cureus* 2023.15(10):e46773.
- **Siddiqui MS**, Dev V, **Khandelwal E**. Cardiac Autonomic Neuropathy in Newly Diagnosed Patients With Type 2 Diabetes Mellitus. *Cureus* 2023.15(10):e47366.
- **Khandelwal E, Rathore M**, Trivedi S, Domadia P, Consul M. Asana to Anatomy: Unpacking Yoga's Inner Mechanics through Experiential Learning. *Int J Anat Res* 2024, 12(1):8808-14.
- Suman N, **Khandelwal E** et al. NIPAH Virus Encephalitis: Unveiling the Epidemiology, Risk Factors, and Clinical Outcomes -A Systematic Review and Meta Analysis. *Journal of Pharmacy and Bioallied Sciences* 2024; 16 (1): 102-105.
- **Khandelwal E**, Tripathi S, **Ingle A**, Wasnik P, Nanda R. Endothelial Dysfunction in Adult Patients of Sickle Cell Disease. *Journal of Neuroscience and Neurological Surgery. Surgery.*2023; 13(3):272(1-4).

- Jagzape A T, Deshpande VK, **Jagzape TB**. Predictive Utility of Visual Evoked Potentials in Detection of Ocular Changes in Paediatric Sickle Cell Patients: A Cross-sectional Analytical Study. *Journal of Clinical and Diagnostic Research*. 2023; 17(4): CC24-CC29.
- Melenshia DS, Amirtham SM, Rebekah G, Vinod E, **Kachroo U**. Effect of reconstituted, lyophilized cold aqueous extract of Aloe vera on human whole blood clotting time - A pilot study. *J Ayurveda Integr Med*. 2024; 15(2):100887.
- Tharion E, **Kachroo U**, Noel J, Samuel P. Cardiac Autonomic Activity, Personality Traits, and Academic Performance in First-Year Medical Students: A Gender-Specific Relation. *Cureus*. 15(11):e49087.
- Gade S, Sahasrabuddhe A V, Mohite K A, et al. Effect of Obesity on Left Ventricular Systolic and Diastolic Functions Based on Echocardiographic Indices. *Cureus*, April 06, 2023; 15(4): e37232. doi:10.7759/cureus.37232.
- Sahasrabuddhe A, Gade S, Choudhary S. Tug of War: DPP4 inhibitors vs SGLT2 inhibitors. *Intl J Med Pharmaceutical Res*, 2023; 4(4), 189-192.
- Choudhary S, Sahasrabuddhe A, Gade S. Prevalence of non-alcoholic fatty liver disease in obese adolescent males and its correlation with anthropometric measurements and hypertension. *Accepted for publication in Korean Journal of Physiology & Pharmacology*.

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Title of Copyright	Authors	Number
Audio clip titled "Slow Deep Breathing Technique"	Tarun Sahu, Meenakshi Sinha, Ramanjan Sinha	SR-20145
Gut microbiota- neuroplasticity interface model	Athira Das, Arunita T Jagzape	Registration No.: L-143107/2024, Dated: 08.02.2024
Membranetransport flowchart: Students perspective	Samridhi Singh (1 st year MBBS student), Arunita T Jagzape	Registration No.: L-143530/2024, Dated: 14.02.2024
Transport across cell membrane: A mind map.	Maddipatisai Sudiksha et al (1 st year MBBS students), Arunita T Jagzape	Registration no.:L-145643/2024, Dated: 22.03.2024

PATENT (APPLIED)	Authors	Number
Game Based Learning tool relating to Anaemia	Ankit Gupta, Arunita Jagzape, Tushar Jagzape, Meenakshi Sinha	Application No. 2021111029447

ABSTRACTS PUBLISHED IN JOURNAL(S)

- Das AM, Sinha M, Pande B, Ghate J, Jagzape A, Sinha R. Effect of fasting and fed state on the electrophysiological and psychological correlates of cognition in morning and evening chronotypes. Proc of 68th National Conference of Association of Physiologists & Pharmacologists of India, AIIMS Patna, December 2023.
- Sahu T., Sinha M, Sinha R, Wasnik P, Ingle A, Tikka SK. Assessment of Neurocognitive Execution & Inhibition processes in Adult Homozygous SCD patients. Proc of 68th National Conference of Association of Physiologists & Pharmacologists of India, AIIMS Patna, December 2023.
- Yerra VARK, Ghate J, Sinha M, Chatur D, Wasnik P, Ghosh A. Assessment of Cognitive dysfunction in patients of Type 2 Diabetes Mellitus with peripheral neuropathy. Proc of 68th National Conference of Association of Physiologists & Pharmacologists of India, AIIMS Patna, December 2023.
- Chatur D, Ghate J, Nanda SP, Sinha M. Assessment of peripheral nerve function in Shift workers with Non-Alcoholic Fatty Liver Disease. Proc of 68th National Conference of Association of Physiologists & Pharmacologists of India, AIIMS Patna, December 2023.
- Pande B, Sinha M, Sinha R, Behera AK, Parganiha A, Nanda R, Singh LK. Association among circadian rest-activity and illuminance rhythms, sleep-wake pattern, cognitive and pulmonary functions in Chronic obstructive pulmonary disease. Proc of 9th Indian Society of Chronomedicine, Pg 17; Jaisalmer, December 2023.
- Jaiswal A, Pande B, Sinha M, Sinha R, Behera AK, Ghate J, Jagzape A. Circadian and Circasemidian Rhythms of Heart Rate Variability as Cardiac Risk marker in Asthma Patients. Proc of 9th Indian Society of Chronomedicine, Pg 12; Jaisalmer, December 2023.
- Yerra VA, Hirwani T, Jagzape AT. Development of Proof-of-Concept for an AI Interactive Bopy composition large Language Model through fine tuning. 4th Science Conclave cum National Biomedical research, ESIC Alwar, Rajasthan, December 10 2023.
- Jagzape AT, Somasekhar AK, Sinha R. Formative Assessment Incorporating Viva-voce using Objective, Integrated, Clustered Examination Software (VOICES), Abstract no. 49, NCHPE 2023, K J Somaiya College and Research Centre, Mumbai, November 2023.
- Sahu T, Sinha M, Sinha R, Wasnik P, Ingle A, Tikka SK. Effect of Long Term Slow Deep Breathing Exercise on Electrophysiological and Psychological Correlates of Cognition in Adult Homozygous Sickle Cell Disease Patients. Proc of 9th National Conference of Association of Physiologists of India, Pg 74; Dept of Physiology, KGMU, Lucknow, October, 2023.
- YerraVA, Ghate J. Plotting EEG using Python Libraries: A hands-on study model for biosignal analysis for Biomedical engineering students. Proc. of 9th National Conference of Association of Physiologists of India, Pg. 46,47; Dept of Physiology, KGMU, Lucknow, October, 2023.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Dr. Ankit Gupta, Dr. Arunita Jagzape and Dr. Meenakshi Sinha	Book on amphibian practical	NA	Amphibian experiments for MBBS students: All you need to know	1 st	New Delhi	Innovative Publication House	2023	NA
2.	Dr. Avinash S. Ingle	Oral Examination & Viva Voce	—	Medical Education Technologies, AIIMS, Raipur	—	—	—	Under publication	—
3.	Dr. Upasana Kachroo	Formative vs. Summative Assessment	—	Medical Education Technologies, AIIMS, Raipur	—	—	—	Under publication	—
4	Dr. Anagha A Phadke	AETCOM Module: Premise, Perception, Progress and Pitfalls	—	Medical Education Technologies, AIIMS, Raipur	—	—	—	Under publication	—
5	Dr. Santhosh Rao, Dr. Arunita Jagzape	Problem Based Learning	—	Medical Education Technologies, AIIMS Raipur	—	—	—	Under publication	—

LIST OF EDITED BOOKS AND MONOGRAPHS

Monograph

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Dr. Anagha Phadke, et al.	Teaching-Learning Strategies in Competency Based Medical Education	—	—	1 st ISBN No. 978-93-5570-35-8	Nagpur	AkiNik	2023	—
2.	Dr. Anagha Phadke, et al.	Early Clinical exposure (ECE): A Monograph	—	—	1 st ISBN No. 978-93-5570-534-1		AkiNik	2023	—

PATIENT CARE

AFT Clinic (Dr. Ekta Khandelwal)

	Tests	Special Clinics or any other facility
	Cardiac Autonomic and vascular function testing	Autonomic & Vascular clinic
Total	206	

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. R. Sinha

- Served as Convener (PhD Program), AIIMS, Raipur and looked after PhD related matters.
- Reviewer for Journal of Postgraduate Medicine, Journal of Royal Society Interface and Indian Journal of Physiologists and Pharmacologists.

Dr. M. Sinha

- Our article titled "Infection and Potential Challenge of Childhood Mortality in Sickle Cell Disease: A Comprehensive Review of the Literature from a Global Perspective" was selected and appeared in the cover page of Thalassemia Report journal as Sickle Cell Disease: Gene, Environment and Immunity Nexus Thalass. Rep., Volume 13, Issue 3 (September 2023).
- Ms. Akriti Jaiswal, Ph.D. Student of Dr. M. Sinha, was awarded Prof. R.K. Singh Best Oral Presentation Award by Indian Society for Chronomedicine during 9th World Congress of Indian Society of Chronomedicine, December 1-3, 2023, Jaisalmer.
- Reviewer for Pubmed indexed journal i.e. Biological Psychology, Journal of Mens' Health, Cureus.

Dr. Avinash S. Ingle

- Served as Associate Dean (Examination), AIIMS, Raipur and looked after examination related matters.

Dr. Ekta Khandelwal

- Appointed as an Executive Body Member

of National Physiological Society i.e. Association of Physiologist of India ASSOPI. This society is very much active for implementation of clinical physiology across India.

Dr. Jayshri R. Ghate

- Program Lead for 'Nation of Lifesavers : Community Hands Only Cardio-pulmonary Resuscitation Training Program' in collaboration with American Heart Association (AHA).
- Delivered an interview on "Nation of lifesaver" program by Akashwani Kendra Raipur on 1st December 2023.
- Served as In-charge Simulation Lab of AIIMS, Raipur and looked after day to day functioning of Simulation Lab, AIIMS Raipur.

Dr. Upasana Kachroo

- Appointed Member Secretary, Institutional Ethics Committee, AIIMS Raipur.
- Reviewer for journal Frontiers in Lab on a Chip Technologies.

Dr. Anagha A. Phadke

- Nominated as President of Academy of Physiology (2023-2025)

Dr. Arunita T. Jagzape

- Received 1st prize in poster presentation in Conference cum workshop on Artificial Intelligence / Machine learning application to develop biomarkers for neurological disorders from 21st to 25th August 2023 at

Konerulakshmaiah Education Foundation,
Vijaywada, Andhra Pradesh.

- Received 1st prize in e poster competition with the theme public participation in pharmacovigilance in 3rd National Pharmacovigilance week from 17th to 23rd September 2023 organized by department of Pharmacology, AIIMS Raipur.
- Received Consolation prize in 'Kavya-

paath' competition organized by Rajbhasha Prakosht on the occasion of Hindi Pakhwada held from 16th to 30th September 2023.

- Awarded 'best scenario' in Scenario writing contest conducted at NCHPE 2023 at K J Somaiya medical College and Research Centre Sion, Mumbai on 23rd-25th November 23.

VISITING SCIENTIST(S)

Dr. Ekta Khandelwal is a Visiting professor in the Department of Physiology, Pt. JNM Medical College, Raipur.

DEPARTMENT OF PSYCHIATRY

Additional Professor

Dr. Lokesh Kumar Singh

Associate Professor

Dr. Ajay Kumar

Assistant Professors

Dr. Aditya Somani

Dr. Lakshmi Nirisha P

HIGHLIGHTS

Global observance of World Mental Health Week was from 06.10.2023 to 13.10.2023, with the theme of "Mental health is a universal human right". On the occasion of World Mental Health Day, the department spread awareness about mental health among the people through various programs like workplace harmony campaign, gate-keeper training for suicide prevention, workshop for parenting, team building activity for students of MBBS and B.Sc. and a visit to the old-age home for mental health camp. The department of Psychiatry also organized a grand program on the occasion of World Schizophrenia Day on 24th & 25th May 2023 in which Dr. Bharat Vatwani, Magsaysay awardee, provided information related to his work on care, rehabilitation and reunion of

wandering/ homeless/ destitute patients with schizophrenia. Also, on 23rd January 2024, special opinion was given by the faculty of the department on the program ParikshaPeCharcha on DD News Chhattisgarh channel.

EDUCATION

1. **Undergraduate:** A 30-hour engagement program was conducted for interns during the psychiatry posting.
2. **Postgraduate:** A formative assessment strategy has been developed for psychiatry post-graduates based on a logbook, scores of academic exercises, internal assessments, and 360 degrees assessments and feedback finally compiled into individual trainees' progress graphs.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	World Schizophrenia Day	CME	24-25.05.2023	Department of Psychiatry, AIIMS, Raipur
2.	Parenting in 21 st Century	Workshop	11.10.2023	Department of Psychiatry, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Lokesh Kumar Singh**

S. No.	Title	CME/Conference	Date	Organized By
1.	Introduction and overview of substance abuse	CNE (International day against Drug Abuse and Illicit Trafficking 2023)	26.06.2023	College of Nursing, AIIMS, Raipur
2.	i.) Substance Use Disorders ii.) Epilepsy In brief	Training of Trainers workshop on mental health of Community Health Officers, of the state of Chhattisgarh	27.06.2023 & 28.06.2023	Department of Health and Family Welfare, Government of Chhattisgarh
3.	Psychology of medical teaching and training	Basic Training Program for newly appointed assistant professors in the Dept. of Medical Education	12.09.2023	Chhattisgarh Academy of Administration
4.	Stress management for early career medical teachers	Basic Training Program for newly appointed assistant professors in the Dept. of Medical Education	12.09.2023	Chhattisgarh Academy of Administration
5.	Artificial intelligence and machine learning uses in Psychiatry	Science and Engineering Research Board (SERB), Govt. of India, through Accelerate Vigyan Scheme (AVS)	13.09.2023	DSPM IIT, Naya Raipur
6.	Womanhood and mental well-being: Breaking down the challenges	HomiJehangirBhabha Hall-CDC, NIT Raipur	10.01.2024	NIT Raipur

Dr. Ajay Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	Workshop: art of psychiatry training and CBME	44 th Annual conference of Indian Psychiatric society- Central Zone	6.10.2023-7.10.2023	Himalayan Psychiatric Society, Uttarakhand
2.	Assessment strategies in Psychiatry PG CBME	National CME on Psychiatry Education and Faculty Training-Psychiatry assessment in UG & PG CBME and, STEPS Induction for 2024-25 batch	3.11.2023-4.11.2023	Department of Psychiatry, Institute of Psychiatry, Kolkata
3.	Bipolar disorder and nexus with metabolic syndrome	2 nd annual conference Chhattisgarh Psychiatry Society	10.02.2024-11.02.2024	Chhattisgarh Psychiatric Society
4.	Taxonomy and domain of learning	Workshop: 6 th Teachers Training on Medical Education Technology for Doctors of medical Profession	25.09.2023-27.09.2023	Medical Education Unit, AIIMS, Raipur

Dr. Aditya Somani

S. No.	Title	CME/Conference	Date	Organized By
1.	Communication and Interviewing Skills	PG Development Program of Indian Psychiatric society- Central Zone	22.07.2023-23.07.2023	Dept. of Psychiatry, MGM Medical College, Indore
2.	Chronobiology in Management of Bipolar Disorder: IPSRT	44 th Annual conference of Indian Psychiatric society- Central Zone	6.10.2023-7.10.2023	Himalayan Psychiatric Society, Uttarakhand
3.	Looking Beyond Horizon: Future of Technology in Psychiatry	Mid-Year Conference of Indian Psychiatric Society	28.10.2023-29.10.2023	Indian Psychiatric Society- North Zone branch and, Jammu and Kashmir Psychiatric Society

4.	Duties Responsibilities and Beyond	Internship Induction Program	15.01.2024	Organizing Committee for Internship Induction Program, AIIMS, Raipur
5.	Psychiatric Emergencies in Children and Adolescents	Digital Learning Academy of Indian Academy of Paediatrics	22.02.2024	IAP Paediatric Emergency Medicine Chapter

Dr. Lakshmi Nirisha P

S. No.	Title	CME/Conference	Date	Organized By
1.	Addiction Diagnosis and management in primary care setting	Learning Management System (LMS) Based One-Year Concurrent Primary Care Psychiatry Program-Foundation Module	05.07.2023	NIMHANS Bengaluru in collaboration with State Health Society, Bihar and AIIMS, Patna
2.	i) Introduction & Communication skills ii) Approach to a person with Mental Illness - CHO perspective iii) Child and Adolescent Mental Health	Training of Trainers workshop on mental health of Community Health Officers, of the state of Chhattisgarh	27.06.2023-28.06.2023	Department of Health and Family Welfare, Government of Chhattisgarh
3.	i) Substance Use Disorders ii) Child and Adolescent Mental Health	Training of Trainers workshop on mental health of Community Health Officers, of the state of Chhattisgarh-Batch 2	5.09.2023-6.09.2023	Department of Health and Family Welfare, Government of Chhattisgarh
4.	Integration of Mental health in Primary Health Care: Nurses' role	23 rd Annual National Conference of Indian Society of Psychiatric Nurses	9.02.2024	Indian Society of Psychiatric Nurses
5.	i) Introduction to child and adolescent mental health ii) Behavioural Disorders iii) Substance use disorders in Children	Training in Child and Adolescent mental health issues for RBSK medical officers	20.03.2024 & 27.03.2024	Department of Health and Family Welfare, Government of Chhattisgarh

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Kumar A, Singh LK	Depression anxiety and stress among medical interns and the impact of covid-19 pandemic related lockdown: a cross sectional study from tertiary care center of central India	Diamond Jubilee International Conference on mental health 2023	14.09.2023 to 16.09.2023	PGIMER, Chandigarh, India
2.	Taniya, Somani A, Gupta RK, Kumar A	*Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study	44 th Annual conference of Indian Psychiatric Society- Central Zone	06.10.2023	Himalayan Psychiatric Society, Uttarakhand
3.	Akhila I, Kumar A, Mishra S	Exploring the enigma- neuropsychiatric manifestations of salmonella encephalopathy: a rare case report	75 th Annual National Conference of Indian Psychiatric Society	19.01.2024	Indian Psychiatric Society- Cochin Local Branch
4.	Taniya, Somani A, Gupta RK, Kumar A	Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study	75 th Annual National Conference of Indian Psychiatric Society	19.01.2024	Indian Psychiatric Society- Cochin Local Branch
5.	Taniya, Kumar A, Gupta RK, Somani A	Neutrophil to lymphocyte ratio in depression: a case-control study	2 nd Annual Conference of Chhattisgarh Psychiatric Society	10.02.2024	Chhattisgarh Psychiatric Society
6.	Saha A, Nirisha PL, Das S, Somani A	Unveiling the dermatological dilemma: a case report on lithium-induced rash	National Young Psychiatrists Conference	5.08.2023-6.08.2023	Indian Psychiatric Society

7.	Saha A, Singh A, Nandan NK, Das S, Somani A	Sublingual use of atropine eye drops for the treatment of clozapine-induced sialorrhea: a case series	Diamond Jubilee International Conference on Mental Health	14.09.2023-16.09.2023	Dept. of Psychiatry, PGIMER, Chandigarh
8.	Somani A, Singh LK , Arya S, Ghosh A	#A survey of patients with substance-use disorders during the COVID-19 lockdown: a cross-sectional study from a tertiary care hospital of Central India	44 th Annual conference of Indian Psychiatric Society - Central Zone	06.10.2023	Himalayan Psychiatric Society, Uttarakhand
9.	Bakam A, Singh LK, Somani A	Clinical correlates of insulin resistance in patients of first-episode schizophrenia and their first-degree relatives - a cross-sectional study	75 th Annual National Conference of Indian Psychiatric Society	19.01.2024	Indian Psychiatric Society- Cochin Local Branch
9.	John A, Sabhahit GG, Patley R, Nirisha PL , Das N, Kulal N, Deepa PS, Kumar CN, Narayana M, Math SB	Beyond the clinic: transforming mental health care in India through public-private partnerships	World Psychiatric Association Regional Congress	14.04.2023-16.04.2023	World Psychiatric Association (WPA)
10.	Reddy BSC, Nirisha PL , Kumari S, Kumar CN, Narayana M, Math SB	@The impact and Outcome evaluation of Tele-mentoring for practising medical officers in Prison and Correctional settings of Bihar in Primary care Psychiatry	IPSOCON 2023 56 th Annual Conference of Indian Psychiatric Society South Zonal Branch	13.10.2023-15.10.2023	Indian Psychiatric Society-South Zone
11.	Sabhahit GG, John A, Patley R, Nirisha PL , Das N, KulalN, Deepa PS, Manjunatha N, Kumar CN, Math BS	Improving mental health access in India: identifying barriers and facilitators to integration into primary care	World Psychiatric Association Regional Congress	14.04.2023-16.04.2023	World Psychiatric Association (WPA)

12.	Reddy BSC, Nirisha PL , Kumari S, Kumar CN, Narayana M, Math SB	The impact and Outcome evaluation of Tele-mentoring for practising medical officers in Prison and Correctional settings of Bihar in Primary care Psychiatry	75 th Annual National Conference of Indian Psychiatric Society	19.01.2024	Indian Psychiatric Society-Cochin Local Branch
13.	Kumar N, Somani A , Singh LK	*Utility of Mobile Messages for Encouraging Adherence to Opioid Substitution Therapy in Patients of Opioid Dependence Syndrome using Poppy Husk: A Randomised Controlled Study	2 nd Annual Conference of Chhattisgarh Psychiatric Society	10.02.2024	Chhattisgarh Psychiatric Society
<p>* Best Paper Award # Tara Naidu Award for Free Paper @ SS Jayaram Award for Best Paper</p>					

Departmental Projects - Non-Funded Projects/ICMR-STs Projects/Thesis/Dissertations

Ongoing

S. No.	Project
1.	Quality of male sexual function in population on buprenorphine-naloxone based substitution therapy: A tertiary hospital-based study.
2.	Effect of intermittent theta-burst stimulation on facial emotion recognition in patients with schizophrenia: a randomized double-blinded sham-controlled study.
3.	Assessment of QT interval prolongation in patients of schizophrenia attending outpatient department of a tertiary care center: a cross-sectional study.
4.	The effect of intermittent theta burst repetitive transcranial magnetic stimulation in the treatment of chronic migraine: A double-blind sham-controlled trial.
6.	Assessment of bone mineral density and its association with clinical and metabolic parameters in patients with bipolar disorder: a cross-sectional study from tertiary care centre.
7.	The prevalence and pattern of problematic internet use among older adults: an observational study from tertiary center.

8.	Assessment of QT interval prolongation in patients using anti-psychotic drugs over short term: a prospective observational study.
9.	Assessment of autonomic function in patients of erectile dysfunction- a hospital-based case control study.
10.	Effect of adjunctive high-definition transcranial direct current stimulation in treatment of depression- a double blinded randomized sham-controlled study.
11.	Assessment of vascular endothelial function in patients of depression - a hospital-based case control study.
12.	Cognitive insight and relapse in patients with Alcohol Dependence Syndrome: A prospective study in tertiary care hospital.

Completed

S. No.	Project
1.	Hindi Translation and Validation of Young's Internet Addiction Test.
2.	Clinical correlates of insulin resistance in patients of first-episode schizophrenia and their first-degree relatives - a cross-sectional study.
3.	Utility of Mobile Messages for Encouraging Adherence to Opioid Substitution Therapy in Patients of Opioid Dependence Syndrome using Poppy Husk: A Randomised Controlled Study.
4.	Assessment of platelet parameters in patients of depression- a hospital-based case-control study from Central India.
5.	Knowledge about and attitudes and practices towards LGBTQIA+ people among medical undergraduate and postgraduate students: a cross sectional study

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Prevalence of metabolic syndrome and its risk factors in patients receiving Clozapine therapy for psychotic illnesses- A prospective observational study.	Department of Pharmacology, AIIMS, Raipur
2.	A qualitative study on barriers and facilitators for drug adherence among patient with psychiatric illness in tertiary hospital Raipur.	Department of Nursing, AIIMS, Raipur

3.	Lived experiences of caregivers of individuals with schizophrenia in tertiary care hospital.	College of Nursing, All India Institute of Medical Sciences, Raipur
4.	Prevalence and determinants of common mental disorders among married women of age group (18-49 years) in urban slums of Raipur city.	Department of Community and Family Medicine, All India Institute of Medical Sciences, Raipur
5.	Sexual Dysfunction and Associated Risk Factors in Women with Chronic Kidney Disease: A Cross-sectional Study from Central India.	Department of Nephrology, All India Institute of Medical Sciences, Raipur
6.	Effect of mindful-guided meditation on cardiovascular autonomic and cognitive functions in patients of generalized anxiety disorder- a pilot study.	Department of Physiology, All India Institute of Medical Sciences, Raipur
7.	Prevalence and severity of sexual dysfunction in male patients of non-diabetic chronic kidney disease-a cross sectional study.	Department of Nephrology, All India Institute of Medical Sciences, Raipur
8.	Learning Management System (LMS) Based One-Year Concurrent Primary Care Psychiatry Program.	Telemedicine Centre, Department of Psychiatry NIMHANS, Bengaluru

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Association of serum C-reactive protein with post-operative delirium among patients undergoing major abdominal surgeries.	Department of Anesthesiology, All India Institute of Medical Sciences, Raipur
2.	Workplace violence in a healthcare setting and its psychological impact on health care workers.	Department of Psychiatry, St John's Medical College and Hospital, Bengaluru
3.	Feasibility and impact of an early exposure psychiatry enrichment program (EPEP) for the medical undergraduates: A multi-centric, quasi-experimental study.	Department of Psychiatry, All India Institute of Medical Sciences, Bhopal
4.	Pathways to care in patients with drug and alcohol dependence: a multi-center study from India.	Department of Psychiatry, Post Graduate Institute of Medical Education and Research, Chandigarh
5.	Feasibility and impact of an early exposure psychiatry enrichment program (EPEP) for the medical undergraduates: A multi-centric, quasi-experimental study.	Department of Psychiatry, All India Institute of Medical Sciences, Bhopal
6.	Mild cognitive impairment in patients with type 2 diabetes mellitus and its correlation with HbA1c levels and carotid artery hemodynamics - a cross sectional study in a tertiary care hospital	Department of General Medicine, All India Institute of Medical Sciences, Raipur

PUBLICATIONS

1. Tikka SK, Shukla A, Arora RD, Singh S, Mahant S, Verma S, **Singh LK**. Brief intervention to enhance cessation of smokeless tobacco use in newly diagnosed patients with head and neck cancers: A randomized controlled trial in patient-relative dyads. *Indian J Psychiatry*. 2023;65:742-748.
2. Das S, **Singh LK**, Tikka SK, Spoorthy MS, Mandal S, Soni PK, et al. Cognitive impairment in 'non-user' first-degree relatives of persons with cannabis dependence syndrome: A pilot, endophenotype study. *Early Interv Psychiatry*. 2024; 18(5):346-354.
3. Soni PK, **Singh LK**, Arora RD, Tikka SK, Mandal S, Nandan NK, et al. External Ear Anomalies and Minor Physical Anomalies in Depressive Disorder Patients and Healthy Controls. *Prim Care Companion CNS Disord*. 2023;25:22m03416.
4. Armstrong G, Goyal S, Dhar A, Vijayakumar L, Haregu T, **Singh LK**, et al. The quality of media reporting of suicide news in a high suicide state of India against World Health Organization guidelines: A content analysis study of major newspapers in Chhattisgarh. *Journal of Affective Disorders Reports* 2023;14:100653.
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 16. Taniya, **Somani A**, Gupta RK, **Kumar A**. Platelet to Lymphocyte Ratio and Monocyte to Lymphocyte Ratio in Depression: A Case-Control Study. *Indian Journal of Behavioural Sciences.* 2024;27:80-9.
 17. Mathew PJ, Jagzape TB, Goel AK, **Kumar A**, Singh TH. Social and Demographic Factors Associated With Obese Children in the Age Group of 6-12 Years Attending a Tertiary Care Institute in Central India and the Prevalence of Depression in These Children: An Observational Study. *Cureus.* 2023;15:e41749.
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 20. Kar SK, Singh A, **Somani A**, Garg RK. Redirecting the Playing Cards for Cost-effective Cognitive Remediation: An Innovation Using Indigenous Resources. *Indian J Psychol Med* 2024;0(0). doi:10.1177/02537176241237332 (published online ahead of print)
 21. Bhargava R, Ghosh P, **Somani A**, Khurana H. Empowering families in the management of childhood and adolescent psychiatric problems using a public mental health paradigm. *Indian J Soc Psychiatry* 2023;39:316-8.
 22. Gakkhar S, **Nirisha PL**, Sabhahit G, Rahul P, Kulal N, Harshitha N, et al. Reducing the Treatment Gap for Psychiatric Disorders- The Role of Accredited Social Health Activists in South India. *World Social Psychiatry.* 2023;5:63-70.
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Abstracts

1. Taniya, **Somani A**, Gupta RK, **Kumar A**. Platelet to lymphocyte ratio and monocyte to lymphocyte ratio in depression: a case-control study. *Indian J Psychiatry.* 2024;66:S7.
2. Saha A, **Kumar A**, Singh S, Somani A. QT interval prolongation due to use of

antipsychotic drugs over the short term: a prospective observational study. *Indian J Psychiatry*. 2024;66:S15.

3. Akhila I, **Kumar A**, Exploring the enigma-neuropsychiatric manifestations of salmonella encephalopathy: a rare case report. *Indian J Psychiatry*. 2024;66:S167-S202.
4. Bakam A, **Singh LK, Somani A**. Clinical correlates of insulin resistance in patients of

first-episode schizophrenia and their first-degree relatives - a cross-sectional study. *Indian J Psychiatry*. 2024;66:S15-6.

5. Reddy BSC, **Nirisha PL**, Kumari S, Kumar CN, Narayana M, Math SB. The Impact and Outcome Evaluation of Tele-mentoring for Practicing Medical Officers in Prison and Correctional Settings of Bihar in Primary Care Psychiatry. *Indian J Psychiatry*. 2024;66:S7-8.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Arora M, Singh LK, Somani A	Penis: Circumcision	Shackelford TK	Encyclopedia of Sexual Psychology and Behavior	1	Cham, Switzerland	Springer International Publishing	2023	1-6
2.	Thota SLA, Kumar A, Somani A	Age Factors: Male Reproductive Health	Shackelford TK	Encyclopedia of Sexual Psychology and Behavior	1	Cham, Switzerland	Springer International Publishing	2023	1-5
3.	Das S, Singh LK, Somani A	Compulsive Sexual Behavior	Shackelford TK	Encyclopedia of Sexual Psychology and Behavior	1	Cham, Switzerland	Springer International Publishing	2023	1-5

4.	Bansal SP, Lamba D, Somani A	Sexual Satisfaction: Foreplay	Shack- elford TK	Encycl- opedia of Sex- ual Psy- chology and Be- havior	1	Cham, Switze- rland	Springer Interna- tional Publi- shing	2023	1-4
5.	Lamba D, Bansal SP, Somani A	Long- Distance Relationship	Shack- elford TK	Encycl- opedia of Sex- ual Psy- chology and Be- havior	1	Cham, Switze- rland	Springer Interna- tional Publi- shing	2023	1-4
6.	Reddy BSC, Somani A	Sexual Satisfaction: Female Orgasm	Shack- elford TK	Encycl- opedia of Sex- ual Psy- chology and Be- havior	1	Cham, Switze- rland	Springer Interna- tional Publi- shing	2023	1-4

PATIENT CARE

	OPD	IPD	Major OT	Minor OT	Tests	Special Clinics	Or any other facility
Total	23504	339	Nil	Nil	NA	4501	ECT-218 TDCS-10 RTMS-154

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. National Telemans Project, an important national project of the Ministry of Health and Family Welfare, Government of India, was started in AIIMS, Raipur by Dr. Lokesh Kumar Singh as the Nodal Officer.
2. Dr. Lokesh Kumar Singh was invited by IIT Bhilai to be a part of the Psychological Counselor Selection Committee. He has been also nominated as the 'Co-Chairperson' UG Education-Sub Committee of the Indian Psychiatry Society 2024-25.
3. Dr Ajay Kumar has been nominated as the 'co-chairperson' of the Psychiatry Teachers Forum-Subcommittee, Indian Psychiatry Society 2023-24 and also nominated as chairperson of the Central Zone Psychiatry Society newsletter subcommittee, 2023-24.
4. Dr Ajay Kumar has coordinated the Indian Teachers of Psychiatry Award and he is an editor for MINDS Newsletter. He is a resource faculty for the Scholarship for Teachers towards Enrichment in Psychiatry Teaching Skills (STEPS) program 2023-24.
5. Dr. Aditya Somani has been Assistant General Secretary of the Indian Psychiatric Society (from March 2023 to February 2024). He has been appointed as the 'convenor' of the Research sub-committee of the Indian Psychiatric Society.
6. Dr. Aditya Somani is serving as member of Executive Committee (EC) of the Central Psychiatric Society (Indian Psychiatric Society- Central Zone) and the EC co-ordinator of sub-committee for UG Psychiatry Quiz.
7. Dr. Aditya Somani has been member of Editorial Board(s) of Asian Journal of Psychiatry (early career editorial board) and Indian Journal of Psychiatry (specialty field editor) and he has been serving as Associate Editor of the Indian Journal of Social Psychiatry and Assistant Editor of Indian Journal of Behavioural Sciences and, Indian Journal of Health, Sexuality and Culture.
8. Dr. Aditya Somani has been serving on the panel of subject experts (in Psychiatry) for the National Board of Examinations in Medical Sciences and he has been the judge of Posters' Session at the 44th Annual conference of Indian Psychiatric society-Central Zone and judge of the free paper session at annual conference of Uttar Pradesh State Psychiatry Conference.
9. Dr. Aditya Somani has served as a member (subject expert) for the selection committee for appointment of clinical psychologist at AIIMS, Bhopal and he has chaired a scientific session each at PG Development Program of the Indian Psychiatric Society- Central Zone (held at Indore in July 2023) and the 2nd Annual Conference of Chhattisgarh Psychiatric Society (held at Kanha, MP, in February 2024).

DEPARTMENT OF PULMONARY, CRITICAL CARE & SLEEP MEDICINE

Professor and Head

Dr. Sajal De

Additional Professor

Dr. Ajoy Kumar Behera

Associate Professors

Dr. Ranganath T. Ganga

Dr. Dibakar Sahu

HIGHLIGHTS

Dr. Nitesh Goyal, DM resident won the first prize in poster presentation at the BRONCOCON conference, Mumbai. Dr. Nitesh Goyal and Dr. Y. Soma Sai Kiran, DM resident secured 1st runner-up prize in the national level PG quiz held at NAPCON, Delhi. Further, Dr. Vikas Kumar, DM resident doctor won 2nd prize in oral paper presentation at NAPCON Hyderabad. Endobronchial ultrasound (Radial and Convex probe) facility was introduced for better patient care. Six day-care beds initiated for chemotherapy of lung cancer patients. World COPD Week was celebrated on 15th November 2023, 202 individuals

including Housekeeping staff of AIIMS underwent lung function testing as part of the COPD screening program.

EDUCATION

- ❖ Teaching: Theory & clinical classes of MBBS students posted in the department.
- ❖ Training: Training to the MBBS Students, B.Sc. Nursing students, MPH students, Residents (JR & SR), Nursing Officers, and faculty of AIIMS, Raipur regarding NTEP.
- ❖ At present Eight DM residents are receiving training in the department.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	1 st Workshop on Pulmonary Function Testing	CME	30.03.23	Dept of Pulmonary Medicine

2.	Post Graduate Meet	CME	29.10.2023	Dept of Pulmonary Medicine
3.	Post Graduate Meet	CME	25.02.2024	Dept of Pulmonary Medicine
4.	PG Quiz in Respiratory Disease	Post Graduate Quiz Competition	25.11.2023	Dept of Pulmonary Medicine & NCCP(I)
5.	Pulmonary Medicine Update	5 th National Symposium	10.03.2024	Dept of Pulmonary Medicine
6.	NTEP update	World TB Week Symposium	30.03.2024	Dept of Pulmonary Medicine

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Sajal De

S. No.	Title	CME/Conference	Date	Organized By
1.	Basic and Advance PFT workshop	NAPCON 2023	05.10.2023	Indian Chest Society
2.	Impulse Oscillometry	NAPCON 2023	07.10.2023	Indian Chest Society
3.	Allergic Bronchopulmonary Aspergillosis (ABPA)	ICAAICON 2023 Asthma, and Applied Immunology	06.01.2024	Indian College of Allergy,

Dr. Ajoy Kumar Behera

S. No.	Title	CME/Conference	Date	Organized By
1.	NTEP update	World TB week symposium	30.03.2024	AIIMS, Raipur
2.	PMDT update	NTF Workshop	22.09.2023-23.09.2023	CTD, Bengaluru

Dr. Ranganath T. Ganga

S. No.	Title	CME/Conference	Date	Organized By
1.	Novel strategies in managing Pulmonary aspergillosis	Workshop and CME on Clinical Mycology Update	31.03.2024	Dept of Microbiology, AIIMS, Raipur

2.	Management of drug sensitive pulmonary tuberculosis	World TB Week	30.03.2024	Dept of Pulmonary Medicine, AIIMS, Raipur
3.	Diagnosis and management of Lung cancer	Pulmonary Medicine Update	10.03.2024	Dept of Pulmonary Medicine, AIIMS, Raipur
4.	Central airway obstruction Diagnosis and management	National airway conclave	10.02.2024	Dept of Pulmonary Medicine, SGPGIMS, Lucknow
5.	Management of Non tuberculosis mycobacterial infections	NATCON 2023	03.02.2024	TAI, Trissur Kerala
6.	ILD case based discussion	ILD Summit	28.01.2024	CG Chest Society, Raipur
7.	Expert opinion on home maintenance Nebulization	Online CME	16.12.2023	Cipla
8.	Role of pneumococcal vaccine in pulmonology practice	Pfizer Vaccine Summit	07.11.2023	Pfizer Ltd
9.	Role of impulse osillometry in obstructive airway disease	COPD Symposium 2024	24.09.2023	CG Chest society, Raipur
10.	Role of home Nebulization in COPD management	CME on COPD management	22.08.2023	Jharkhand Chest Society, Ranchi, Jharkhand
11.	Management of stable COPD	Divisional training of medical specialists and medical officers in respiratory disease	05.07.2023	State NCD Cell Govt of Chhattisgarh
12.	Six-Minute Walk Distance Test	1 st Workshop of Pulmonary Function Testing	30.03.2023	Dept of Pulmonary Medicine, AIIMS, Raipur

Dr. Dibakar Sahu

S. No.	Title	CME/Conference	Date	Organized By
1.	Newer oral antifungals	NAPCON 2023	02.12.2023	Indian Chest Society and National College of Chest Physicians

2.	Basic bronchoscopy	BRONCOCON SILVER	25.08.2023	Indian Association of Bronchology and Interventional Pulmonology
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ORAL PAPERS/POSTER PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Kumar V, Ganga RT, Behera AK, Mehar J, Pati SK. (Best Research paper award)	Rheumatoid arthritis associated interstitial lung disease management: Initial experience from a budding interstitial lung disease clinic from central India	NAPCON 2023	30.11. 2023	NCCP & Indian Chest Society
2.	Keche A, Patil G, Ganga RT, Sahu D (Best Research paper award)	Diagnostic utility of Galactomannan antigen for early diagnosis of invasive aspergillosis: a study from tertiary care hospital of central India.	VAMMCON 2023	15.03.2024	Vidarbha association of medical microbiologists

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	ICMRS Network Pulmonary Fibrosis	Dr. Ajoy Kumar Behera	ICMR, Delhi	3	2021-2024	45.3 Lakhs
2.	National Environmental Health Profile study	Dr. Ajoy Kumar Behera	Ministry of Environment, Forest & Climate change	5	2019-2024	52.57 Lakhs

3.	Colchicine to reduce corona virus Disease-19 related inflammation and cardiovascular complications in high-risk patients post-acute infection with SARS-COV-2-A Randomized controlled trial	Dr. Dibakar Sahu	George Institute of Global Health	2	2022-2024	49.16 Lakhs
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Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Therapeutic efficacy of Yoga on Biomedical profile, anxiety & sleep quality intend of Asthma patients - pilot project	Dr. Ajoy Kumar Behera	AIIMS, Raipur, Intramural	1	2022-2023	5 Lakhs

Departmental Projects (including thesis/dissertations/STS)**Completed**

S. No.	Project
1.	Impact of airflow limitation on clinical symptoms, level of asthma control and asthma related quality of life.

Collaborative Projects**Ongoing**

Sr. No.	Project	Collaborating Department/ Institution
1.	Cardio-autonomic profile and cognitive status of COPD patients in tribal population of Chhattisgarh with reference to genetic polymorphism: Identification of reliable functional & molecular risk predictors	Department of Physiology, AIIMS, Raipur
2.	ICMR PCOS - cohort study phase-II	Dept of OBGY, AIIMS Raipur
3.	Concomitant totaltemporomandibular joint replacement and Orthognathic surgery using indigenous patient-specific implants in TMJ Ankylosis,	Dept of Dentistry, AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Assessment of cognitive functions & its association with sleep-wake pattern and light at night (LAN) exposure duration in chronic obstructive pulmonary disease (COPD) patients	Department of Physiology, AIIMS, Raipur
2.	Correlation of circadian rhythmicity's of Melatonin with Heart Rate Variability in Bronchial Asthma & its clinical Implication	Department of Physiology, AIIMS, Raipur

PUBLICATIONS

- Harit R, **De S**, Singh PK, Kashyap D, Kumar M, **Sahu D**, et al. Association of the C allele of rs479200 in the EGLN1 gene with COVID-19 severity in Indian population: a novel finding. *Hum Genomics*. 2024;18:7.
- De S**, **Sahu D**, Mahilang D, **Ganga RT**, **Behera AK**. Effectiveness of partial COVID-19 vaccination on the outcome of hospitalized COVID-19 patients during the second pandemic in India. *Perspect Clin Res*. 2024; 15:46-47.
- Kumar V, Rath AK, Kar A, **De S**. A rare case of opaque hemithorax. *J Assoc Chest Physicians* 2023;11:50-2.
- Haider NS, **Behera AK**. Computerized respiratory sound-based diagnosis of pneumonia. *Medical & Biological Engineering & Computing*. 2024;62:95-106.
- Singh D, Singh BK, **Behera AK**. A real-time correlation model between lung sounds & clinical data for asthmatic patients. *International Journal of Information Technology*. 2023; 15:39-44.
- Singh D, Singh BK, **Behera AK**. A hybrid bio-inspired model for improving the efficiency of correlative auscultation analysis. *International Journal of Information Technology*. 2023; 15: 3605-3611.
- Ravina M, Ganga R, **Behera AK**, Kote R, Rath AK. Metabolic 18F FDG PET/CT Guided Intrathoracic Tumor Biopsies: An Analysis of Initial Experience from Central India. *European Journal of Nuclear Medicine and Molecular Imaging*. 2023;50(1): S1-S898.
- Gupta P, Mohapatra E, Patel S, Patnayak L, Nanda R, Shah S, Abraham J, **Behera AK**, Jindal A. Effect of the Angiotensin-Converting Enzyme (ACE) (I/D) Polymorphism in COVID-19 Patients and Their Healthy Contacts. *Cureus*. 2023;15(5).
- Krishna A, Keche A, **TG Ranganath**, et al. Clinicomycological Study of the Spectrum of Pulmonary Aspergillosis at a Tertiary Care Hospital in Central India. *Cureus*. 2024;16(3): e56147.
- Keche A, Patil G, **Ganga RT**, et al. Galactomannan Antigen Assay for Diagnosis of Invasive Aspergillosis: A Study from a

Tertiary Care Hospital of Central India. *J Pure Appl Microbiol.* Published online 28 March 2024.

Abstracts Published in Journal(s)

1. **De S, Sahu D, Mahilang D, Bhargava A.** Comparison of serum Anti-Spike (S) IgG Covid-19 Antibody between Breakthrough Infection And recent COVID-19 Infections in unvaccinated. *European Respiratory Journal* 2023 62: DOI: 10.1183/13993003.
2. **Koshta V, Singh BK, Behera AK, Ganga RT.** Classification of Asthma, COPD and Healthy Lung Sounds Using Fourier Bessel Series Expansion in Machine Learning and Deep Learning Paradigm. 11th International Conference on Intelligent Systems and Embedded Design (ISED).
3. **Ganga RT, Kumar V, Behera AK, Sahu D, Gupta R, Rath A, Kiran SS.** Diagnostic Utility of Medical Thoracoscopy in Undiagnosed Pleural effusion. *ERJ* 2023 62: PA1785.

PATIENT CARE

Facilities available in the Department

The Department of Pulmonary Medicine provides OPD and IPD services, critical respiratory care, Bronchoscopy, endobronchial ultrasound, lung ultrasound, Thoracoscopy, polysomnography, spirometry, oscillometry, lung volumes and diffusion studies, allergy testing, pulmonary rehabilitation, and 24-hour Emergency services.

OPD	IPD
23020	2307

Investigations and procedures

No.	Procedures	Total patients
1.	Spirometry	4590
2.	Polysomnography	94
3.	Bronchoscopy	642
4.	Thoracoscopy	87
5.	Body Plethysmography	879
6.	DLCO	435
7.	Forced oscillometry	676
8.	Six-minute walk test	331
9.	Skin Prick Test	77

10.	Ultrasonography	1019
11.	PI PE Max	54
12.	Mantoux	684
13.	Endo Bronchial Ultrasound	80

NTEP - Total slide examined for AFB - **4036**

Total positive cases of AFB - **178**

Total put on DOTS - **156**

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Sajal De

- Member of the editorial Board of the Indian Journal of Allergy, Asthma and Immunology (IJAAI).
- Awarded Fellowship of Indian College of Allergy, Asthma and Immunology.

Dr. Ajoy Kumar Behera

- Selected as eminent expert committee member of sophisticated analytical & Technical Health Institutes (SATHI) program by Dept. Of Science & Technology, Ministry of Science & Technology, Government of India.
- Selected as Zonal Task Force (ZTF-East) Operational Research Chairperson for National Tuberculosis Elimination Program (NTEP) by Central TB Division.
- Appreciation award by LIONS Club, Raipur for COVID Care & Control on Doctor's Day.

- Chaired sessions in National Conference (NAPCON 2023) held at Hyderabad, National Symposium in CG Rheumatology Conference, ILD Symposium organized by CG Chest Society and Difficult to Treat (DT3 Clinic) in State TB Cell.
- Invited as Panelist for Panel Discussion of Diffuse Lung Disease update 2023 by Global Academy of Medical Education.
- Organized State Task Force (STF) workshop for NTEP programme in state of Chhattisgarh.
- Master Trainer for PMDT in the state of Chhattisgarh.

Dr. Ranganath T. Ganga

- Appointed Vice chairman, State Operational Research Committee, National Health Mission, Govt of Chhattisgarh.

DEPARTMENT OF RADIODIAGNOSIS

Professor & Head

Dr. Narendra Kuber Bodhey

Associate Professors

Dr. Saroj Kumar Pati

Dr. Manish Kumar

Assistant Professors

Dr. Richa Singh Chauhan

Dr. Nihar Vijay Kathrani

HIGHLIGHTS

The Department of Radiodiagnosis is well equipped with all state of the art equipments like Digital Radiography (1000 mAs DR), Digital radiofluoroscopy (DRF), High End Elastography USG machine, USG Doppler, Multidetector CTs (128 slice and 256 slice), Digital Subtraction Angiography, MRI 3 tesla, Digital Mammography system, Digital OPG, Portable X-ray machines, Computed Radiography system. In addition to the infrastructure development, the post graduate MD incumbents in Radiology were 12 by the end of March 2024 with 6 new PG incumbents in the current year (total were 16 by January 2024 - of which 4 passed out). Two students are admitted to the PDCC (Cardiothoracic and Vascular Imaging and Interventional Radiology). The B.Sc. Radiography course has a total of 6 incumbent candidates. The passed out students are so far are 2 PDCC students, 15 MD (Radiodiagnosis) and 8 BSc. students. Of these one MD pass out has secured a gold medal in DNB Radiodiagnosis and is pursuing DM (Neuroradiology). Also started taking classes for MTech Biomedical Engineering (co-run by IIT Bhilai)

ACADEMIC COURSES CONDUCTED BY THE DEPARTMENT

1. PDCC (Cardiothoracic and Vascular Imaging and Interventional Radiology)
2. MD Radiodiagnosis.
3. B.Sc. Medical Technology in Radiography.
4. Collaborative Ph.D. Course with National Institute of Technology, Raipur.
5. Collaborative M.Tech (Biomedical Engg) course with IIT Bhilai.

EDUCATION

Final year MD. Residents got the prizes for paper / poster presentation as under:

1. Dr. Priyank Sood was awarded the second prize for the thesis paper presentation At Annual Conference of the Chhattisgarh Chapter of Indian Radiology and Imaging Association, 15- 16th April 2023.
2. Dr. C. Srinath Reddy was awarded the first prize for the paper presentation At Annual Conference of the Chhattisgarh Chapter of Indian Radiology and Imaging Association, 15- 16th April 2023.

3. Dr. Aditya Tiwari was awarded the second prize for the E-Poster presentation At Annual Conference of the Chhattisgarh Chapter of Indian Radiology and Imaging Association, 15-16th April 2023.

Undergraduate

- Classes for undergraduate M.B.B.S. students: 10
- Theory classes for undergraduate B.Sc. Technology (Radiography) students: 50
- Practical classes for undergraduate B.Sc. Technology (Radiography) students: 150

Post-Graduate

M.D. Radiodiagnosis

- Seminars for Junior & Senior Residents : 40
- Case Presentations (includes long and short cases) : 170
- Film Reading sessions : 110
- Interdepartmental sessions : 50
- Procedure Teaching : 44

M.Tech (Biomedical) with IIT Bhilai

- Theory classes : 04 (1 hour each)
- Practical lab classes : 04 (2 hour each)

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Narendra Bodhey

S. No.	Title	CME/Conference	Date	Organized By
1.	Essentials of Radiology for Forensic Medicine	FMTMPCGCON- VI, The 6 th Annual Conference of Medicolegal Experts Association.	15.12.2023 & 16.12.2023	Department of FMT, AIIMS, Raipur
2.	Advancement and Challenges of Radiopharmaceutical: Diagnosis, Therapy, Environment and Pharmaceutical Applications	AERB sponsored National Seminar	23.09.2023	Rungta College of Pharmacy, Bhilai
03	SERB sponsored high-end workshop on advanced hands on training on biomedical signal acquisition and analysis	Radioimaging and Computer Aided Diagnosis	06.08.2023	Dept of Biomedical Engineering, NIT, Raipur
4.	Cardiac MRI - Basics and Late Gadolinium Enhancement	14th Annual Conference of Indian Radiology and Imaging Association, CG Chapter 2023	16.04.2023	IRIA, Chhattisgarh Chapter

Dr. Saroj Kumar Pati

S. No.	Title	CME/Conference	Date	Organized By
1.	Radiological anatomy & evaluation of oral cavity carcinoma.	Comprehensive Management of oral cavity carcinoma.	14.10.2023	Department of ENT, AIIMS, Raipur
2.	Role of imaging in pulmonary TB	Tuberculosis Symporium 2024	30.03.2024	Department of Pulmonary Medicine, AIIMS, Raipur
3.	Radiology of temporal bone	11 th CG State Annual Conference and temporal bone dissection Workshop	01.03.2024	Department of ENT, AIIMS, Raipur

Dr. Manish Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	MR Imaging in Gynaecological Pelvic lesions -A Necessity or Luxury?	Annual Conference of Bihar State Chapter, 2023	16.12.2023	AIIMS, Patna

Dr. Richa Singh Chauhan

S. No.	Title	CME/Conference	Date	Organized By
1.	Cystic Brain Lesions	ISNR 2024	09.03.2024	Indian Society of Neuroradiology
2.	Neuroimaging of Glial Neoplasms in the Era of New WHO Classification of CNS tumors	NSSICON 2024	25.02.2024	Neurological Surgeons Society of India
3.	Cystic Lesions of the Brain- Film Festival	76 th annual conference of IRIA 2024	27.01.2024	Indian radiology and Imaging Association
4.	Magnetic Resonance Neurography	ISPNSCON 2024	13.01.2024	Indian Society of Peripheral Nerve surgery and AIIMS Raipur
5.	Percutaneous embolization of Spinal epidural arteriovenous fistula- Technical considerations	MP CG NEUROCON 2023	26.08.2023	Ramakrishna Care Hospital, Raipur

Dr. Nihar Kathrani

S. No.	Title	CME/Conference	Date	Organized By
1.	Pearls and Technical Details - Venography, Manometry and Venous sinus stenting	ISNR 2024	10.03.2024	Indian Society of Neuroradiology
2.	Trans-Radial Access in Neuro-interventions	NSSICON 2024	25.02.2024	Neurological Surgeons Society of India
3.	Case Based Discussion- Magnetic Resonance Neurography	ISPNSCON 2024	14.01.2024	Indian Society of Peripheral Nerve Surgery and AIIMS, Raipur
4.	Spinal DAVF Management by EVOH - Case Based Review	ISNR Webinar	04.01.2024	Indian Society of Neuroradiology
5.	Radiological Diagnosis of Pneumonia in Patients with Acute Leukemia	State Conference - Diagnosis and Management of Acute Leukemia	02.09.2023	Oncology Department, AIIMS Raipur
6.	Management of Sacral Dural AV Fistula	MP CG NEUROCON 2023	27.08.2023	Chhattisgarh Association of Neurosciences
7.	Radiological Anatomy and Differential Diagnosis of Skull Base Lesions	Cadaveric Workshop on Endoscopic Skull Base and Microscopic Anterolateral Skull Base	13.08.2023	Skull Base Surgery Society of India

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Vinay Rautiya, Dr. Pranita, Dr. Preetam Wasnik, Dr. Narendra Bodhey	Pancreatic pseudocyst: Unravelling the mystery of right sided pleural effusion,	Medifest 2024: National CME on Cardiometabolic and Chronic hepatic diseases & complex tropical infections.	09-10.03.2024	AIIMS, Bhopal

2.	Dr. A.S. Girish, Dr. Vinay Pandit, Dr. Narendra Bodhey, Dr. Jhasketan Meher,	Hepatic Hydrothorax: an eternal reservoir	Medifest 2024: National CME on Cardiometabolic and Chronic hepatic diseases & complex tropical infections	09- 10.03.2024	AIIMS, Bhopal
3.	Dr. Richa Singh Chauhan, Dr. N. K. Bodhey, Dr. Nihar Kathrani,	(ORAL) Transverse Venous Sinus Stenting as A Standalone Treat- ment of Spontaneous CSF Leak and Vision Loss Secondary to Idiopathic Intracranial Hypertension - A Pilot Study	CYSC 2024	26.02.2024	National Institute of Technology (NIT) Raipur and Chhattisgarh Council of Science & Technology (CCOST)
4.	Dr. Moshmi Agrawal, Dr. N. K. Bodhey, Dr. Anil K. Sharma, Dr. Nighat Hussain	Spinal paraganglioma mimicking Ependymoma:	NSSICON 2024	23.02.2024 to 25.02.2024	Neurological Surgeon Society of India and AIIMS, Raipur
5.	Dr. Richa Singh Chauhan, Dr. Nihar Kathrani, Dr. N. K. Bodhey,	(POSTER) Spontane- ous Hepatocolic Fistula : An Unusual Presentation of Pyoge- nic Liver Abscess	76 th Annual Conference of IRIA 2024	25.01.2024 to 28.01.2024	Indian Radiology and Imaging Association
6.	Dr Deepak Iype Koshy, Dr Joydeep Samanta, Dr Jhasaketan Meher, Dr Narendra Kuber Bodhey, Dr Richa Singh Chauhan, Dr Seema Rahar, Dr Preetam Narayan Wasnik, Dr Vinay R Pandit	(POSTER) THE UNICORN AMONG ZEBRAS (Takayasu's arteritis (type V) with IgA Nephropathy)	Iracon 2023	23.11.2023 to 26.11.2023	Annual Conference of Indian Rheumatology Association

7.	Dr. Priyank Sood, Dr. N.K. Bodhey , Dr. Saroj K. Pati	Spectrum of advanced MRI parameters in various posterior fossa tumours with a 3T MRI with special focus on vestibular schwannomas and meningiomas Won 2 nd prize	14 th Annual State Conference of IRIA 2023	15.04.2023 to 16.04.2023	Indian Radiology and Imaging Association
8.	Dr. Srinath Reddy, Dr. N.K. Bodhey	Vertebro-jugular fistula - diagnosis, Hemodynamics and treatment Won 1 st prize	14 th Annual State Conference of the IRIA 2023	15.04.2023 to 16.04.2023	Indian Radiology and Imaging Association
9.	Dr. Aditya Tiwari, Dr. N. K. Bodhey , Dr. Richa Singh Chauhan, Dr. Nihar Kathrani, Dr. Ashish K. Gupta and Dr. Amit Sharma	(POSTER) Giant Multilocular Cystadenoma of the Prostate : A rare lesion presenting as large abdominopelvic mass Won 2 nd Prize	14 th Annual State Conference of IRIA 2023	15.04.2023 to 16.04.2023	Indian Radiology and Imaging Association
Completed					
1.	Dr. Nihar Kathrani , Dr. Richa Singh Chauhan	Xcalibur AOD for the Direct CCF	76 th Annual Conference of IRIA 2024	27.01.2024	Indian Radiology and Imaging Association

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Development of Breast Cancer Risk Assessment System In Women Using Advanced Artificial Intelligence Techniques: A Pilot Study.	Co-PI: Prof. (Dr) Narendra K. Bodhey In collaboration with NIT Raipur	ICMR	3 Years	Feb 2021- Feb 2024	6,45,000/-

Funded Projects

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Assessment of Prevalence of Circle of Willis Variation In Healthy Subjects - An Institutional Study	Dr. Saroj K. Pati	Intramural	2 years	2020-2022	4,80,000/-

RESEARCH : DEPARTMENTAL PROJECTS

(including thesis/dissertations)

Ongoing

S. No.	Project
1.	Spectrum of real time shear wave ultrasound elastography in various thyroid disorders.
2.	Roll of shear wave elastography in characterization of breast malignancy: A cross sectional study.
3.	Role of T2 mapping of articular cartilage in evaluation of knee joint osteoarthritis - A cross sectional study.
4.	Spectrum of pulmonary arterial anatomy and patterns of major aorto-pulmonary collaterals in cyanotic congenital heart diseases on Cardiac CT Angiography.
5.	Roll of multiparametric MRI in evaluation of suspected case of urinary bladder neoplasm with histopathological correlation - Observational study.
6.	Comparison of transcranial doppler findings between children with sickle cell disease and non-sickle cell disease.

Completed

S. No.	Project
1.	Assessment of ventricular function and late gadolinium enhancement patterns in patients of non-ischemic cardiomyopathy with 3 Tesla MRI.
2.	Evaluation of Diffusion Weighted MR Imaging and Diffusion Tensor Imaging in Spinal Tuberculosis with 3 Tesla MRI.
3.	Differentiation Between Classic and Atypical Meningiomas by Diffusion Tensor Imaging and Diffusion Weighted Imaging with 3 Tesla MRI.
4.	Role of Diffusion Weighted Imaging and Dynamic Contrast Enhance MRI for Pre-Operative Assessment of Endometrial Carcinoma.

5.	Differentiation of Intraaxial Brain Tumours Using Diffusion Weighted Imaging, Diffusion Tensor Imaging and Perfusion Imaging.
6.	Assessment of Spectrum of Multiparametric Breast MRI in Characterisation of Breast Lesions.
7.	MR Imaging Spectra in Complex Renal Lesions with 3 Tesla MRI.
8.	Characterisation of Prostatic Lesion on Multiparametric MRI.
9.	Multidetector computed tomography and ultrasonography correlation in severity assessment of acute pancreatitis.
10.	Multiparametric magnetic resonance imaging characterisation of oral and oropharyngeal mucosal lesions.
11.	Spectrum of advanced MRI parameters in various posterior fossa tumours with 3T MRI.
12.	"Spectrum of Chest CT findings beyond 3 months of moderate to severe covid state".
13.	Imaging Spectrum in Covid Associated Rhino-orbital-cerebral Mucormycosis.
14.	Retrospective Analysis of Radiographic Patterns in COVID-19 Patients.
15.	Correlation of computed tomographic pulmonary angiography & echocardiographic parameters in suspected patients of pulmonary thromboembolism.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Assessing the role of point of care ultrasound (POCUS) in patient reporting to emergency department with chest trauma with diagnosis of rib fracture.	Department of Trauma and Emergency, AIIMS, Raipur
2.	Clinico Radiological Profile of Acute Ischemic Stroke with special emphasis on prehospital factors affecting thrombolytic therapy in a tertiary care centre in Central India.	Department of General Medicine, AIIMS, Raipur
3.	Sonological predictors of severity of obstructive sleep apnea : a cross-sectional study.	Department of Pulmonary, Critical care and Sleep Medicine, AIIMS, Raipur
4.	Characterisation of mineral bone disease in patients of CKDU.	Department of Nephrology AIIMS, Raipur

5.	Prevalence of non-alcoholic fatty liver disease in patients with rheumatoid arthritis at tertiary care centre in central India	Department of General Medicine, AIIMS, Raipur
6.	Preoperative gastric volume estimation in diabetic vs nondiabetic patients undergoing elective surgeries - A prospective observational study	Department of Anaesthesiology, AIIMS, Raipur
7.	Prevalence of respiratory dysfunction amongst cerebral palsy patients' in a tertiary care hospital of central India	Physical medicine and rehabilitation (PMR), AIIMS, Raipur
8.	Correlation of emergency ultrasound derived shock etiology (e-use) with the definitive diagnosis	Department of Trauma and Emergency, AIIMS, Raipur
9.	A study on clinical spectrum hepatobiliary manifestations in adults with sickle cell anemia in adults at AIIMS Raipur - An observational study	Department of General Medicine, AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Computer Aided Detection of Breast Lesions: A Study On Different Imaging Modalities.	Dept of Biomedical Engineering, National Institute of Technology, Raipur
2.	Stage based integrated management using Barcelona protocol versus conventional management of fetal growth restriction and perinatal outcome: A randomized controlled trial	Department of Obstetrics & Gynaecology, AIIMS, Raipur
3.	Comparison of oral Tamoxifen versus Centchroman in reducing the size of fibroadenoma in adolescent and middle aged ladies	Department of Gen Surgery, AIIMS, Raipur
4.	Pilot Study-Clinical, pathological and radiological correlation of mandibular invasion in carcinoma oral cavity	Department of ENT, AIIMS, Raipur
5.	Corelation of Arthroscopy based femoral intercondylar notch dimensions in patients with anterior cruciate ligament insufficiency (ACL) with MRI based measurements and cadaveric measurements of intercondylar notch with intact anterior cruciate ligament. MS thesis @ AIIMS Raipur	Department of Orthopaedics, AIIMS, Raipur

6.	Clinicoradiological correlation in chronic otitis media (COM) squamosal disease	Department of ENT, AIIMS, Raipur
7.	Comparison of two different doses of intranasal dexmedetomidine for paediatric procedural sedation a prospective study. MD Anaesthesia thesis @ AIIMS Raipur	Department of Anaesthesia, AIIMS, Raipur
8.	Application of Sydney system for lymph node cytology at a tertiary care centre in central India. MD Pathology thesis @ AIIMS Raipur	Department of Pathology, AIIMS, Raipur
9.	Clinicopathological and immunohistochemical profile of CNS gliomas in tertiary care institute @ AIIMS Raipur.	Department of Pathology, AIIMS, Raipur
10.	Expression of Estrogen receptor, Progesterone receptor and Programmed death ligand1 in Meningioma: An Immunohistochemical analysis	Department of Pathology, AIIMS, Raipur
11.	Application of Sydney system for lymph node cytology at a tertiary care centre in Central India	Department of Pathology, AIIMS, Raipur
12.	Clinico-radiological and intraoperative correlation of sinonasal masses	Department of ENT, AIIMS, Raipur
13.	Corelation of Clinico-radiology-cytology with histopathology of thyroid nodule	Department of ENT, AIIMS, Raipur
14.	Comparison of mini percutaneous vs retrograde intrarenal surgery in renal stone less than 2 cm	Department of Urology, AIIMS, Raipur
15.	A comparative study between botulinum toxin type A vstendoachillis surgical tenotomy in the management of idiopathic clubfoot by Ponseti method. A randomized prospective interventional study	Department of Orthopaedics, AIIMS, Raipur
16.	Prevalence of Respiratory Dysfunction Amongst Cerebral Palsy Patients in A Tertiary Care Hospital of Central India	Department of Physical Medicine & Rehabilitation, AIIMS, Raipur
17.	Positron Emission Tomography (PET) with Contrast Enhanced Computerized Tomography (CECT) versus CECT versus Magnetic Resonance Imaging (MRI) for Initial Evaluation of Oral Cancers - A Three Parallel Arm Randomized Control Trial and Meta-Analysis : ORCID - M Trial	Department of ENT, AIIMS, Raipur

18.	Effect of body fat percentage on nonalcoholic fatty liver disease & its relation with nerve conduction parameters in health care shift workers	Department of Physiology, AIIMS, Raipur
19.	Deep Learning Based Corpus Callosum Segmentation and its Application in Detection of Diseases	Dept of Electronics & Telecommunication National Institute of Technology, Raipur
20.	Spectrum of cardiac events in acute ischemic stroke - a Cross sectional study in a tertiary care centre	Department of General Medicine, AIIMS, Raipur
21.	Expression of VEGF and PDL-1 in epithelial ovarian carcinomas at a tertiary care centre in central India	Department of Pathology, AIIMS, Raipur
22.	Study of Immunohistochemical expression of programmed death ligand 1 (PDL1) and isocitrate dehydrogenase 1 in gliomas	Department of Pathology, AIIMS, Raipur

PATIENT CARE

Patient care services in terms of various scans and procedures done showed an increase by 10 - 77% across various types over the previous year (2022-2023). The total number of investigations in this year is mentioned below:

		Total
X-Ray		164798
Portable X-Ray		17932
Portable X-Ray (Covid ward)		1745
USG	General USG	22587
	Doppler	6821
	ANC	2147
CT Scan	General CT Scan	24993
	Angiography	1372
CT Scan	Covid ward	4
MRI	General MRI	3387
	Special MRI (DTI, MRS, etc)	117
	Contrast MRI	1128
OPG		4863
Mammography		198
Contrast Xray procedure (MCU, RGU & Sinogram)		669
Image guided Interventional Radiology Procedure (DSA, CT Scan & USG)		
	MRI	287
Investigation Under anesthesia	CT Scan/DSA	243
OPD		1425

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	Publisher	Publication
1.	Dr. Karthik K, Dr. Richa Singh Chauhan	IgG4 related disease	Dr. C. Kesvadas, Dr. Bejoy Thomas, Dr. ER Jayadevan	Comprehensive Textbook of Clinical Radiology (Vol 2)	1 st	Elsevier	2023

PUBLICATIONS - Journals

- Panigrahi M, **Bodhey NK**, Singh VY, Nehete L. Papillary meningioma with prominent flow voids. SA Journal of Radiology, (2024). 28(1), 4.
- Atrey K, Singh BK, **Bodhey NK**. Integration of ultrasound and mammogram for multimodal classification of breast cancer using hybrid residual neural network and machine learning Image and Vision Computing 2024, V 145:104987.
- Kalbande JK, Singha SS, **Bodhey NK**, Sahani P. Congenital Sub-Mitral Aneurysm: Anesthetics and Surgical Management. Ann Card Anaesth. 2024 Jan-Mar;27(1):70-5.
- Shrivastava A K, Nayak S, **Bodhey N**, Patial Y, et al. (November 25, 2023) Posterior Reversible Encephalopathy Syndrome in the Immediate Postoperative Period of Gastric Cancer. Cureus. 2023 Nov 25;15(11):e49388.
- Atrey K, Singh BK, **Bodhey NK**, Pachori RB. Mammography and ultrasound based dual modality classification of breast cancer using hybrid deep learning approach. Biomedical Signal Processing and Control 86(A) 2023, 104919, ISSN 1746-8094. <https://doi.org/10.1016/j.bspc.2023.104919>
- Atrey K, Singh BK, **Bodhey NK**. Multimodal classification of breast cancer using feature level fusion of mammogram and ultrasound images in machine learning paradigm. Multimed Tools Appl (2024). 83, 21347-21368 (2024) <https://doi.org/10.1007/s11042-023-16414-6>
- Mishra JK, Sahu SA, **Bodhey NK**, Sindhuja Abi. Perforator-Based Propeller Flap with Additional Venous Pedicle for Lower Limb Reconstruction. Indian J PlastSurg 2023; 56(04):373-377.
- Atrey K, Singh BK, **Bodhey NK**. Multi-Feature Classification of Breast Cancer Histopathology Images: An Experimental Investigation in Machine Learning and Deep Learning Paradigm Braz. arch. biol. technol. 66 o 2023 o <https://doi.org/10.1590/1678-4324-2023220297>.

9. Chandra A, Verma S, Raghuvanshi AS, **Bodhey NK**. ASDC-Net: Optimized Convolutional Neural Network-Based Automatic Autism Spectrum Disorder Classification Using rs-fMRI Data IETE Journal of Research 2023. 1-14 <https://doi.org/10.1080/03772063.2023.2196979>
10. Meher J, Singh J, **Pati SK**, Pandit VR, Patel SK, Kapur M, Nithin MS. Deciphering the Neuropsychiatric Lupus Enigma: Navigating the Intersection of Acute Inflammatory Demyelinating Polyneuropathy (AIDP), Infection, and Flare. *Cureus*. 2024 Jan 29;16(1):e53156. doi: 10.7759/cureus.53156. PMID: 38420060; PMCID: PMC10901146.
11. Chandran M, Mehta R, Nagarkar NM, Bhargava A, Mohapatra E, **Pati SK**. Rhinosporidiosis- Epidemiological, Clinicoradiological, Immunological Profile. *Iran J Otorhinolaryngol*. 2023 Sep;35(130):255-262. doi: 10.22038/IJORL.2023.68378.3331. PMID: 38090617; PMCID: PMC10712551.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Narendra Bodhey

1. Chaired a session on "Epidemiology, Diagnostic methods and Radiology in PTB" at Tuberculosis symposium 2024 on 30.03.2024 organised by Department of pulmonary medicine, AIIMS Raipur.
2. Chaired a session on "Preoperative diagnostic evaluation" at the Annual conference of peripheral nerve society on January 12-14, 2024 organised by Department of Neurosurgery, AIIMS, Raipur.
3. Guide/Supervisor for the PhD projects at NIT Raipur.
4. Member of the technical Steering committee of the Multicentre Trial on effect of Colchicine on Post covid patients.
5. Subject expert for CG Public Service Commission.
6. Subject expert for Employee State Insurance Corporation.
7. Member of the Departmental Academic

Committee of the Dept of Biomedical Engineering, National Institute of Technology, Raipur.

8. Reviewer on the American Journal of Roentgenology, Indian Journal of Radiology and Imaging, Annals of Cardiac Anaesthesia, South African Journal of Radiology.
9. Faculty for M.Tech Biomedical Engineering in collaboration with IIT Bhilai.

2. Dr. Saroj Kumar

1. Reviewer of the journal- Journal of clinical and scientific research.
2. Subject expert for the recruitment of Assistant Professor in Gandhi Medical College, Bhopal.

3. Dr. Manish Kumar

1. Chaired a session on Advances in CNS tumor imaging at 14 annual conference of IRIA on 16.04.2023 organised by IRIA Chhattisgarh Chapter.

2. Reviewer of the Journal of Journal of clinical and diagnostic research.

4. Dr. Richa Singh Chauhan

1. Attended workshop on Data handling and Analysis using MS Excel - 31st March 2023-01.04.2023
2. Reviewer on the following Journals:
 - A. Indian Journal of Radiology and Imaging - IJRI
 - B. Cureus Journal.
 - C. Actaradiologica - July 2023.
 - D. Journal of Trauma and Injury.
 - E. JNMO.

5. Dr. Nihar Kathrani

1. Chaired a session on Imaging of Hyperacute Stroke on 15th April 2023 14th IRIA CG Chapter State Conference, organized by State Chapter of Indian Radiology and Imaging Association Chhattisgarh.
2. Judged oral papers in Interventional Radiology on 28th January 2024 at 76th National Conference of Indian Radiology and Imaging Association, organised by IRIA, Chhattisgarh chapter.
3. Reviewer of Journal of Indian Journal of Radiology and Imaging - IJRI

DEPARTMENT OF RADIATION ONCOLOGY

Professor and Head

Dr. Siddhartha Nanda

Assistant Professor

Dr. Papuji Meher

HIGHLIGHTS

The Department of Radiation Oncology is committed to providing top-notch care for cancer patients using the latest technology and equipment. Led by a highly qualified and experienced team of Radiation Oncologists, Medical Physicists, and Radiation Therapy Technologists, the department offers a wide range of radiotherapy treatments, including radical, adjuvant, and palliative therapies, with or without concurrent chemotherapy, as determined by each patient's unique needs. The department takes pride in utilizing state-of-the-art equipment to deliver precise doses of radiation to the tumor while minimizing damage to surrounding healthy tissue. This includes the Elekta Versa HD LINAC, Monaco treatment planning system, Ir-192 based HDR microselectron brachytherapy unit, GE CT Simulator, and Oncentracontouring workstation with brachytherapy planning. Two of the major technical additions in the department are intraluminal brachytherapy and installation of 6D couch.

EDUCATION

1. MD Radiation Oncology

2. Advanced Diploma in Radiotherapy Technology (ADRT)

Academic Development:

Postgraduate students: Post graduate students on the Department receive extensive hands-on training and education in a wide range of radiation therapy techniques, including contouring, CT simulation, 3D conformal radiotherapy (3DCRT), Intensity Modulated Radiotherapy (IMRT), Image Guided Radiotherapy (IGRT), Volumetric Arc Therapy (VMAT), and brachytherapy.

ADRT: Specialised training of technologists with respect to advanced radiotherapy techniques. During their course students are exposed to various work skills related to EBRT techniques like IMRT, VMAT, stereotaxy so also brachytherapy. The 1st year ADRT exam was conducted in the department on 07.10.2023.

Nursing students: During their postings, nursing students are given an introduction to the basics of oncology, and practical training on the preparation and delivery of cytotoxic chemotherapy agents to patients with various malignancies.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Siddhartha Nanda**

S. No.	Title	CME/Conference	Date	Organized By
1.	Role of Radiotherapy in Oral Cavity Carcinoma	Comprehensive management of Oral Cavity Carcinoma	14.10.2023	AIIMS, Raipur
2.	LINAC based Radiosurgery	12 th NSSICON-2024	24.02.2024	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Simran, Nanda S, Mishra SS, Ahirwar M K	Targeting Tumor Depth of Invasion: The Key to Effective Nodal Irradiation in Oral Cavity Carcinoma	ICC-2023	02.11.2023	AROI, IASO, ICON
2.	Rath S, Nanda S, Mishra SS, Das A	Should thyroid gland be considered as an 'organ at risk' during locoregional radiotherapy in breast cancer patients? A retrospective dosimetric study	ICC-2023	02.11.2023	AROI, IASO, ICON
3.	Mehta A, Nanda S, Mishra SS	Esophagus as an OAR in breast cancer radiotherapy : A dosimetric insight into radiation techniques	YROC-2024	20.01.2024	AIIMS, Jodhpur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	An Open label, Single Arm, Multicenter, prospective study to evaluate safety and effectiveness of Akynzeo I.V. [Fosnetupitant 235 mg and Palenose tron .25 mg (Concentrate for solution for infusion), in the prevention of chemotherapy induced nausea and vomiting (CINV) in Indian patients (STOP-CINV Study)	Dr Siddhartha Nanda	Glenmark Pharmaceuticals Ltd.	8 Months	2023	2,33,640/-

Departmental Projects - Non-Funded Projects/ ICMR-STS Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Assessing the Effectiveness of Hypofractionated Radiotherapy in High Grade Glioma: A Prospective Study.
2.	Efficacy of photobiomodulation(Low level Laser therapy) for management of radiation induced mucositis in carcinoma oral cavity patients: An open label prospective randomized controlled trial.
3.	Association between Parotid Scintigraphy Parameters and Degree of Xerostomia in Head and Neck Cancer Patients receiving Parotid-sparing Volumetric Modulated Arc Therapy: a pilot study.
4.	Patterns of tobacco consumption in head and neck cancer patients attending a tertiary healthcare institute in central India.

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Hospital Based Cancer Registry, AIIMS, Raipur	NCDIR, Bangalore, Department of ENT & HN Surgery & Department of Pathology, AIIMS Raipur
2.	TNBC: IHC based Genomic Profiling and Correlation with the Histomorphology and Outcome	Department Of Pathology, AIIMS, Raipur
3.	Factors Determining the Efficacy of Guided Invention Based Conservative Management of Shoulder Adhesive Capsulitis Secondary to Mastectomy and Radiation Therapy A Retrospective Cohort Study in A Tertiary Care Center of Central India	Department of PMR, AIIMS, Raipur
4.	Outcome of Post-operative Radiotherapy after Excision of Keloid	Department of Burns and Plastic Surgery, AIIMS, Raipur
5.	Evaluation of immune-histochemical expression of SOX-2 and Ki-67 in squamous cell carcinoma cervix and its correlation with histological and clinicopathological parameters	Department Of Pathology, AIIMS, Raipur
6.	Expression of Programmed death ligand 1 and presence of CD8 positive T cells in pretreatment specimens of cervical carcinoma	Department Of Pathology, AIIMS, Raipur
7.	Study of expression of P16, its correlation with presence of high risk HPV (HR-HPV) DNA and their association with outcome in penile carcinoma	Department of Pathology, AIIMS, Raipur

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Profile of Cardiovascular Autonomic Dysfunction in Breast Cancer Patients	Department of Physiology, AIIMS, Raipur

PUBLICATIONS

1. Rath SM, **Nanda S**, Meher P. *et al.* Unmasking Sweet Syndrome in Association with Cervical Carcinoma: A Unique Clinical Encounter. *Indian J Gynecol Oncolog* 2024;22: 44.
2. Simran, **Nanda S**, Meher P. *et al.* Recurrent Giant Cell Tumor of Sphenoid Bone: A Rare Finding. *Indian J Otolaryngol Head Neck Surg* 2024;76: 2134-36.
3. Mishra SS, **Nanda S**, Ahirwar MK, Rath SM, Singh V, Chowhan A. Epithelial-Myoepithelial Carcinoma of Nasal Cavity at an Unusual Age: A Case Report and Review of Literature. *Indian J Otolaryngol Head Neck Surg*. 2023 Dec;75(4):3305-3311.
4. Mishra SS, **Nanda S**, Ahirwar MK, et al. Advancing Precision in Post-mastectomy Chest Wall Radiotherapy: A Comparative Dosimetric Analysis of Volumetric-Modulated Arc Therapy (VMAT) and Intensity-Modulated Radiotherapy (IMRT) Based on Institutional Experience. *Cureus*. 2023 May 2;15(5).
5. Mishra SS, Ahirwar MK, **Nanda S**. Solitary Extraosseous Plasmacytoma of Submandibular Gland - Report of a Rare Case. *Indian J Otolaryngol Head Neck Surg* 2023 Sep; 75(3):2306-2308.

PATIENT CARE

	OPD	Day Care	Minor OT	Other Facilities
Total	9384	2589	638	Number of Moulds prepared- 410
				Number of CT Simulations done- 1280

Few Other Significant Events

1. Installation and functioning of 6D couch top for high precision radiotherapy- 17.06.2023
2. Started Intraluminal Brachytherapy in department- 10.11.2023
3. Started Fractionated Stereotactic Radiotherapy (FSRT) in department- 30.10.2023

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr. Sidhhartha Nanda was a panelist for 'Lung Cancer Symposium' in 'Pulmonary Medicine Update 2024' at AIIMS Raipur on 10.03.2024 and for 'localized breast cancer- 25 v/s 15 v/s 5 fraction radiotherapy' in AIG Cancer Summit on 20.01.2024 at Hyderabad. He was a chairperson for session 'Neoplastic Pathology of lungs and mediastinum: Basis to Genomics' in a CME on 5.08.2023 at AIIMS Raipur.

DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK

Additional Professor and In-charge

Dr. Sankalp Sharma

Additional Professor

Dr. Ramesh Chandrakar

Associate Professor

Dr. Minal Wasnik

Blood Transfusion Officer

Dr. Dhananjay Prasad Sahu

HIGHLIGHTS

The Department of Transfusion Medicine and Blood Bank organized numerous in-house & out-door Voluntary Blood donation camps in collaboration with various Government and non-government organizations. Charges for donor refreshment were increased from 40/- to 60/- per donor to enhance voluntary donation activity.

With an increase in patient load at AIIMS Raipur and initiation of functional specialties and super-speciality departments, the annual blood donation at AIIMS Raipur also has increased. In continuation with this, Department of Transfusion Medicine had upgraded facility for Blood storage with the procurement of Walking Refrigerator with increase in capacity for storage of various blood components. The department also procured Automated Immunohematology Analyzer, first of

its kind in Chhattisgarh state, which improved the immunohematology services like, blood typing, antibody screening/ identification, Rh phenotyping, red cell minor blood group antigens phenotyping, cross-matching, etc.

EDUCATION

- Two Post Graduate Residents from the department passed out MD (Transfusion Medicine) Examination in 2023-24.
- One batch of BSc (MLT) has been passed out from the department in 2023-2024.
- Department has received approval for submission of a BSc MLT course in Blood Bank, Technology for consideration as a full-time undergraduate course.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	State Level Workshop -2023	Three (2-day) Workshops for training medical officers and technicians of Govt Blood Centers, Chhattisgarh State	8.06.2023-9.06.2023 15.06.2023-16.06.2023 21.06.2023-22.06.2023	Dept of Transfusion Medicine, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Sankalp Sharma**

S. No.	Title	CME/Conference	Date	Organized By
1.	Management of Sickle Cell anemia: Transfusion medicine perspective	TRANSMEDCON 2023	03.11.2023	Indian Society of Transfusion Medicine
2.	"Newborn and Infant transfusions - Good Clinical Practices"	Online webinar in dIAP platform	22.02.2024	IAP PEM chapter

Dr. Ramesh Chandrakar

S. No.	Title	CME/Conference	Date	Organized By
1.	Transfusion need in patients with Acute Leukemia	State Level Conference on Acute Leukemia	02.09.2023	Department of Medical Oncology & Clinical Hematology, AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Sharma S, Padhi P.	<u>Poster</u> Audit of clinical use of Platelet and Plasma Transfusions according to evidence-based recommendations	Transmedcon 2023	03.11.2023 to 05.11.2023	Indian Society of Transfusion Medicine
2.	Vijay N, Sharma S.	<u>Posters</u> Factors influencing donor motivation and intention to return Among blood donors in a tertiary care hospital Identification of Bombay blood group by serological and molecular testing : case report	Transmedcon 2023	03.11.2023 to 05.11.2023	Indian Society of Transfusion Medicine
3.	Wasnik M.	<u>Poster</u> Knowledge, Attitude and Practice of Blood Donation Among Medical Students at Entry Level	48 th Annual National Conference of Indian Society of Blood Transfusion and Immunohaematology (ISBTI), TRANSCON 2023, Lucknow	06.10.2023 to 08.10.2023	Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
4.	Vijayan A, Chandrakar R.	<u>E-Poster</u> Prevalence of Transfusion Transmitted Infections among Blood Donors and their Response to Notification: Insights from a Tertiary Care Hospital in Central India	TRANSMEDCON 2023	03.11.2023 to 05.11.2023	11th National Conference of Indian Society of Transfusion Medicine (ISTM), Chandigarh Best E-Poster in TTI Category

5.	Patel R, Chandrakar R.	<u>Poster</u> Analysis of pre and post donation hematological parameters in plateletpheresis donors at tertiary care hospital of central India	TRANSCON 2023 Lucknow	06.10.2023 to 08.10.2023	Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
6.	Peddinti T, Sharma S.	<u>Oral Paper</u> Comparison of platelet increment between RDP and SDP transfusions using quantitative analysis	TRANSCON 2023, Lucknow	06.10.2023 to 08.10.2023	Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
7.	Sarangi S, Wasnik M.	<u>Oral Paper</u> A prospective study on acute adverse reactions following transfusion of blood and blood product at AIIMS Raipur	TRANSCON 2023, Lucknow	06.10.2023 to 08.10.2023	Indian Society of Blood Transfusion and Immunohaematology (ISBTI)
8.	Singh J, Chandrakar R.	<u>Posters</u> A prospective study on evaluation of iron stores in regular blood donors by serum ferritin in a tertiary health care centre A retrospective study of adverse donor reactions in a tertiary care hospital	TRANSMEDCON 2023	03.11.2023 to 05.11.2023	11th National Conference of Indian Society of Transfusion
9.	Chowdhary S, Chandrakar R	<u>Poster</u> Donor deferral pattern in a tertiary care hospital	TRANSCON 2023, Lucknow	06.10.2023 to 08.10.2023	Indian Society of Blood Transfusion and Immunohaematology (ISBTI)

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	An analysis of Leukapheresis as a prophylactic modality of therapy for Tumor Lysis Syndrome' compared to conventional management: A pilot open labelled Randomized control trial;	Dr Sankalp Sharma	AIIMS, Raipur	1	2023-2024	5,00,000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	"To analyse Hemostatic parameters of the Platelet and Fresh Frozen Plasma Transfusions among children during first two years of Life and propose best practice recommendations for the age-group"	Dr Sankalp Sharma	Chhattisgarh Council of Science and Technology	3	2019-2023	2,50,000/-
2.	A study on subtypes of Blood Group A at AIIMS, Raipur Chhattisgarh	Dr Minal Wasnik	AIIMS, Raipur	2	2021-2023	5,00,000/-

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations*Ongoing*

S. No.	Project
1.	Effect of blood donation on cardiac autonomic response in young male donors: A pilot study.
2.	A cross-sectional study of prevalence of high titred anti-A and anti-B antibodies in O blood group donors and associated factors.
3.	Prevalence of Clinically Significant Minor Blood Group Antigens in Voluntary Blood Donors for creation of Red Cell matched inventory at a Tertiary Care Teaching Hospital- a Prospective Observational Pilot study.

4.	A prospective study on acute adverse reactions following transfusion of blood and blood products at AIIMS RAIPUR.
5.	A prospective study on evaluation of iron stores in regular blood donors by serum ferritin in AIIMS Raipur.
6.	A Cross-Sectional Pilot Study on Variation in Cardiac Autonomic Response in Different ABO Blood Groups among Young Adults.
7.	Factors influencing donor motivation and overall satisfaction towards the process of blood donation, the protocol involves a comparison of electronic Donor Health Questionnaire with the manual paper-based Donor Health Questionnaire for assessing donor motivation and satisfaction.

Completed

S. No.	Project
1.	Evaluation of Clinical Factors Affecting Corrected Count Increment on 1-Hour and 24-Hour After Platelet Transfusion.
2.	Analysis of pre donation and post donation hematological parameters in plateletpheresis donors at tertiary care hospital of central India.
3.	Identification of the Knowledge, Attitude & Practice of blood donation among medical students of AIIMS Raipur at entry level: A descriptive study.
4.	"A comparison study of salt-water loading and isometric exercises with only plain water ingestion in preventing vasovagal reactions among blood donors" 2022.

Collaborative Projects

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	"An Analysis of Critical Elements in The Development of Representative use of 'Stimulation and Educational Videos for Teacher of Medical Professionals: A Qualitative Research"	Research mentorship program under NTTC Certificate of Health Professions Education Research, JIPMER, Puducherry AND All India Institute of Medical Sciences Raipur

PUBLICATIONS

1. **Sharma S.** Basic procedures of Immunohematology and component preparation, *Transfusion Today* 2023; 137: 32.
2. **Wasnik M, Lahare S, Chandrakar R.** A Study of A1 and A2 Subtypes Among Whole-Blood Donors With Blood Groups A and AB at the Blood Center of a Tertiary Care Institute in Chhattisgarh. *Cureus* 2024; 16(3): e57013.
3. **Wasnik M, Lahare S, Chandrakar R.** Phenotypic and Allelic Frequency of ABO and Rh (D) Blood Group among Whole Blood Donors in a Teaching Hospital of Chhattisgarh. *International Blood Research & Reviews* 2023; 14(3): 19-26.
4. **Wasnik M, Lahare S, Tejaswani P.** Blood Group Discrepancy in a Whole Blood Donor with Weak AB. *Cureus* 2023; 15(6): e40834.
5. **Sahu DP, Wasnik M, Kannauje PK.** Factors Influencing Corrected Count Increment After Platelet Transfusion in Thrombocytopenic Patients. *Cureus*. 2023; 15(9): e46161.
6. **Kashyap N, Mehsare P, Saurabh G, Wasnik M.** Central Aortic Cannula Disruption Following Left Atrial Myxoma Excision. *Cureus* 2023; 15(7): e41908.

PATIENT CARE

	Patient care in number of Blood units issued: (01.04.2023 to 31.03.2024)	Number of Voluntary Blood Donations:	Number of Voluntary Blood Donation Camps: (01.04.2023 to 31.03.2024)	Blood Groupings	Transfusion Dependent patients (Blood 01.04.2023 to 31.03.2024)	Apheresis - TPE - Plateletpheresis	Transfusion Transmitted Infection Screening
Total	26802	10059	20	10059	9540	131	10190

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr Sankalp Sharma was the Organising Chairperson and faculty for three state level workshops for the training of medical officers and Technicians of Chhattisgarh State. These workshops were funded by the National Health Mission with International Society of Blood Transfusion (ISBT) approval and its Logo. The proceedings were published with the ISBT newsletter *Transfusion Today* October 2023 issue.
2. Dr. Minal Wasnik completed one-month observership (July 2023) from All India Institute of Medical Sciences, New Delhi in the Department of Transfusion Medicine.
3. Dr. Dhananjay Prasad Sahu was a nodal person for coordination and trainer for three state level workshops for the training of medical officers and Technicians of Chhattisgarh State.

DEPARTMENT OF TRAUMA AND EMERGENCY

Professor and Head

Dr. Debendra Tripathy

Associate Professors

Dr. Chandan K Dey

Dr. Varun Anand

Dr. Santosh K Rathia

Assistant Professors

Dr. Naman Agrawal

Dr. Pallavi Shende

Dr. Sudarsan Behera

HIGHLIGHTS

The Department accomplished the following goals in the past year:

1. Successfully trained the 7th batch of Army *Jawans* (Indo-Tibetan Border Police and Central Border Police Force - Medical Officers and paramedics) in Basic Emergency Care (BEC), emergency drugs, hands-on training, and live demonstrations in the triage area.
2. Nineteen academic Junior Residents joined the post-graduate course in "Emergency Medicine."
3. Conducted two Continuing Medical Education (CME) sessions, including the national-level "ABCD of POCUS."
4. Developed and utilized a new version of **structured ED Booklets**, aiding in the generation of in-house data for non-admitted emergency patients.
5. Established the **largest ICU of the hospital** (17 bedded) where trauma cases are directly admitted from the ground floor of Trauma and Emergency, resulting in significant benefits in patient care. This aids in direct management of trauma cases requiring ICU care.
6. Introduced the **Emergency Nurse Coordinator (ENC) cum patient information desk** facility at the Department, successfully reducing response time with supportive emergency services from other departments.

7. Implemented bar coding of emergency investigations in the emergency area itself by the emergency staff, leading to decreased time in sending blood investigations to the concerned laboratories.
8. Initiated the pilot mode of "paperless ED" using 7 portable electronic devices.
9. Four batches of the one-year certificate course of "Pre-Hospital Trauma Technician" have graduated, with the fourth batch completing training in 2023.
10. Provided training in Basic Emergency Care (BEC), including BLS, to nursing staff and Junior Residents of AIIMS.
11. Offered training in "triage" to nursing staff and junior residents.
12. The first batch of the DM/super-specialty course in Pediatric Emergency Medicine (PEM) completed the course.
13. Conducted 2465 point-of-care ultrasounds during patient management in trauma and emergency.
14. Registered 36258 patients in the Department of Trauma and Emergency in 2023.
15. Performed 2981 emergency/trauma surgical operations in the trauma and emergency operation theater.
16. Trained residents of emergency medicine in emergency invasive procedures such as percutaneous tracheostomy, ICD insertion, pericardiocentesis, central line insertion, e-FAST, and other POCUS procedures.
17. Registered patent, Govt of India on "Hospital Monitoring Robotic Device" - Dr.

Chandan K Dey, Dr Santosh K Rathia, Dr Varun Anand

EDUCATION

1. Dr. Varun Anand and Dr. Santosh K Rathia became national-level instructor of BLS, IAP-ALS and PTRM; conducted 03 training sessions.
2. 7th batch of ITBP & CRPF doctors trained by the T&E Dept in last year. Fourth batch of "Pre-Hospital Trauma Technician" course completed in the year 2022-23.
3. Organized the first-of-its-kind national-level CME-cum-workshop on "ABCD of POCUS" at AIIMS Raipur.
4. Dr. Chandan K Dey, Dr. Santosh K Rathia and Dr. Varun Anand completed the BCBR course in Biomedical Research (by ICMR and National Institute of epidemiology) and another research methodology and ethics course by St. John hospital.
5. Trained in ATLS at AIIMS Rishikesh (attended by Dr. Varun Anand & Dr. Santosh K Rathia) on 14th to 16th of October, 2023.
6. Attended the ToT for **Pediatric Trauma Resuscitation Module/Course (PTRM)** on 8th to 9th of November 2023 (Dr. Varun Anand & Dr. Santosh K Rathia).
7. Dr. Pallavi Shende invited as a guest faculty in AIIMS Patna Post Graduate Assembly 2023.
8. Doing fellowship in "**Pediatric Acute Care, Trauma and Toxicology**" under a distant learning program of ECMS Australia, and

Indian Society of Pediatric Trauma (Dr. Varun Anand & Dr. Santosh K Rathia).

9. Organized second national-level CME-cum-workshop on "Acute Care ECG" at AIIMS Raipur.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	National CME cum Workshop	29.04.2023-30.04.2023	T & E, AIIMS, Raipur
2.	Emergency Medicine Day	CME	27.05.2023	T & E, AIIMS, Raipur
3.	IAP- Basic Life Support (BLS-Adult + Paediatric)	National Workshop	02.02.2024	T & E, AIIMS, Raipur
4.	IAP - Paediatric Advance Life Support (PALS)	National Workshop	03.02.2024-04.02.2024	T & E, AIIMS, Raipur
5.	2 nd National Acute Care Electrocardiography Symposium	National CME cum Workshop	27.01.2024 to 28.01.2024	T & E, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Debendra Tripathy

S. No.	Title	CME/Conference	Date	Organized By
1.	Artificial Intelligence in anaesthesia- Use and Misuse	ISACON Puducherry 2023,	29.09.2023-30.09.2023	Indian Society of Anaesthesiology, Pondicherry
2.	Virtual imaging of Airway - National Airway Conference 2023	Srinagar Conference	07.09.2023 - 10.09.2023	SKIMS SRINAGAR

3.	Tech in EM: Keepup!	EMINDIA 2023 Pune	24.09.2023 - 27.09.2023	Dy Patil Vidyapeeth, Pune
4.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023- 30.04.2023	T & E, AIIMS, Raipur
5.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024- 28.01.2024	T & E, AIIMS Raipur

Dr. Chandan K Dey

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023- 30.04.2023	T & E, AIIMS, Raipur
2.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024- 28.01.2024	T & E, AIIMS, Raipur

Dr. Varun Anand

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023- 30.04.2023	T & E, AIIMS, Raipur
2.	IAP - BLS & PALS Course for nurses	Workshop- IAP - BLS & PALS Course for nurses	02- 04.06 2023	Department of Paediatrics, AIIMS, Raipur
3.	EPICON 23	National CME cum Workshop-EPICON 23	01.02.23- 07.02.23	UCMS, New Delhi
4.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024- 28.01.2024	T & E, AIIMS, Raipur

Dr. Santosh K Rathia

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023- 30.04.2023	T & E, AIIMS, Raipur

2.	IAP - BLS & PALS Course for nurses	Workshop - IAP - BLS & PALS Course for nurses	02-04.06 2023	Department of Paediatrics, AIIMS, Raipur
3.	EPICON 23	National CME cum Workshop - EPICON 23	01.02.23-07.02.23	UCMS, New Delhi
4.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024-28.01.2024	T&E, AIIMS, Raipur

Dr. Naman Agrawal

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023-30.04.2023	T & E, AIIMS, Raipur
2.	"Gastrointestinal emergencies" at National Emergency Medicine Board Review in India Course (NEMBRIC)	Conference		JPNATC, AIIMS, Delhi
3.	"Emergency ECGs" at National Emergency Medicine Board Review in India Course (NEMBRIC)	Conference		JPNATC, AIIMS, Delhi
4.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024-28.01.2024	T & E, AIIMS, Raipur

Dr. Pallavi Shende

S. No.	Title	CME/Conference	Date	Organized By
1.	CME cum Workshop on "ABCD of POCUS"	CME cum Workshop on "ABCD of POCUS"	29.04.2023-30.04.2023	T & E, AIIMS, Raipur
2.	CME cum Workshop on "Acute Care in ECG"	Conference	27.01.2024-28.01.2024	T & E, AIIMS, Raipur

RESEARCH**Funded Projects***Ongoing*

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Association between Histo-pathological and clinical cause of death at a tertiary care hospital	Dr. Chandan Kumar Dey	AIIMS, Raipur	2 years	Dece 2023 to Nov 2024	2.30 Lakh
2.	Improving Sepsis Diagnosis in Newborns with Minimal Blood Sampling with innovative laboratory test: A focus on Early Detection	Dr. Varun Anand	ICMR, extramural funded	3 years	Dece 2023 to Nov 2026	65.27 Lakh
3.	Bolus Nitroglycerin use in Sympathetic Crashing Acute Pulmonary Edema (BoNUS): A Randomized, Open-label, Active comparator Pilot Study	Dr. Naman Agrawal	AIIMS, Raipur	1 year	Dece 2023 to Nov 2024	4.77 Lakh

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Assessment of Domestic Violence on Men and Impact of Lockdown on it during COVID-19 Pandemic in India: A survey Based Study	Dr. Varun Anand	AIIMS, Raipur	2 years	2018-2020	Completed extramural funded (50,000/-)

Departmental Projects - Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations*Ongoing*

S. No.	Project
1.	To develop criteria identifying Red Zone patients at Emergency Department: An observational study - Dr. Varun Anand.
2.	Assessing the Factors that Influence Decision-Making of MBBS Doctors and Students Regarding joining Rural Peripheral Health Care Services in India- a fact finding for possible solutions! (non-funded) - Dr. Santosh K Rathia

3.	Online Survey on Knowledge, awareness, and Attitude among medical students regarding the Need for a research project during MBBS Course - Dr. Chandan K Dey.
4.	Knowledge, Attitude and Practice (KAP) of emergency triaging amongst doctors and nurses in India - a survey based multicenter study - Dr. Santosh K Rathia.
5.	Assessing the Factors that Influence Decision-Making of MBBS Doctors and Students Regarding joining Rural Peripheral Health Care Services in India- a fact finding for possible solutions! - Dr. Santosh K Rathia.
6.	Effectiveness of Intubation Pre-Procedural Checklist Implementation on the Safety of Patients Undergoing Endotracheal Intubation in the Emergency Department: A Quality Improvement Study - Dr. Naman Agrawal.
7.	Bolus Nitroglycerin Use in Sympathetic Crashing Acute Pulmonary Edema (BoNUS): A Randomized, Open Label, Active Comparator Pilot Study - Dr. Naman Agrawal.
8.	"Comparative Analysis of Emergency Medicine Trauma Score (EMTRAS), Rapid Emergency Medicine Score (REMS), and Trauma and Injury Severity Score (TRISS) for Predicting In-Hospital 21 days Mortality in Polytrauma Patients Presenting to the Emergency Department within 24 Hours of Injury" - Dr. Sachin Devidas, Dr. Sundarsan Behera (guide).
9.	Assesing the role of point of care ultrasound (pocus) in patient reporting to emergency department with chest trauma for the diagnosis of rib fracture - Dr. Akila T, Dr. Debendra Tripathy (guide).
10.	Efficacy of drotaverinevshyoscinebutylbromide in treatment of acute colicky abdominal pain - a double blinded randomized controlled study - Dr. Mohan Prasad, Dr. Santosh K Rathia (guide).
11.	Role of Heart rate and QRS Duration as Predictive Biomarkers for Return of Spontaneous Circulation in Pulseless Electrical Activity - Dr. Sai Pavan, Dr. Varun Anand (guide).
12.	Clinical profile and outcomes of paraquat poisoning in a tertiary care centre - Dr. Shaurya Agrawal, Dr. Naman Agrawal (guide).
13.	Comparison of analgesic efficacy between ultrasound guided fascia illiaca compartment block versus intravenous fentanyl infusion in patients with proximal femur fractures presenting to the Emergency department - a Randomised controlled trial unblinded study - Dr. Sai Archana, Dr. Pallavi Shende (guide).
14.	"Role of Neutrophil: lymphocytes ratio in predicting early expansion of traumatic intracerebral-haemorrhage" - Dr. Ramesh, Dr. Santosh K Rathia (guide).
15.	A Randomized Control trial to Compare Balanced Salt Solution with Normal Saline for fluid resuscitation in patients with Diabetic Ketoacidosis reporting to Emergency Department- Dr. Kriti Gupta, Dr. Debendra Tripathy (guide).
16.	Performance of emergency physician performed focused echocardiography on the estimation of left ventricle ejection fraction in adult patients presenting with acute onset shortness of breath : A prospective, observational study - Dr. Shiddharth Taneja, Dr. Naman Agrawal (guide).

17.	Evaluation of STONE score, Modified STONE score and CHOKAI score in predicting ureteric stone disease in Indian patients presenting with acute flank pain to the emergency department: A prospective observational study - Dr. Milan, Dr. Naman Agrawal (guide).
18.	"Accuracy of Emergency physician-performed ultrasound guided Intercostal chest drain insertion with conventional anatomical landmark guided procedure in patients presenting to ED requiring ICD insertion: A randomized control trial" - Dr. Akshatha B - Dr. Pallavi Shende (guide).
19.	To determine the optic nerve sheath diameter (ONSD) values by point of care ultrasound in children to diagnose and predict clinical severity of raised intracranial pressure - Dr. Naseem, Dr. Varun Anand (guide- DM in Pediatric EM).
20.	Determination of diagnostic and prognostic utility of pSOFA score, along with sepsis markers in the mortality risk at the ER presentation in children with Sepsis and Septic Shock - Dr. Murugan, Dr. Santosh K Rathia (guide- DM in Pediatric EM).

Completed

S. No.	Project
1.	Comparison of accuracy and competency of nursing officers and resident doctors in triaging after structural training at Paediatric Emergency of AIIMS, Raipur: a quality improvement assessment - Dr. Varun Anand.
2.	Assessment of Spectrum of Preventive Measures Taken By Health Care Providers during COVID-19 Pandemic in India: A survey Based Study - Dr. Chandan K Dey, Dr. Varun Anand, Dr. Santosh K Rathia.
3.	An assessment of Quality Improvement in Pediatric Triaging Skills of Nursing Students after a Structured Training Session- Dr. Santosh K Rathia, Dr. Chandan K Dey, Dr. Varun Anand.
4.	Evaluation Of Knowledge, Concerns And Psychological Distress in caregivers of patients Seeking Emergency Medical Care For Illnesses Other Than COVID-19 (Corona Virus Disease) In A Tertiary Care Centre In Central India During COVID-19 Outbreak: A Questionnaire Based study- Dr. Chandan K Dey.
5.	Role of POCUS in diagnosing cause of dyspnoea in emergency at AIIMS Raipur and comparing it with the final diagnosis - an interdepartmental cross sectional analytical study - Dr. Meena Choudhary, Dr. Chandan K Dey (guide)

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Understand the role of miRNAs in modulating the cellular responses of Dendritic Cells (DCs) during post-traumatic sepsis and septic shock	Collaboration with Biochemistry
2.	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation with intravenous morphine: a randomized comparison of four different timings.	Collaboration with Anaesthesiology Department
3.	B-VOCAL SCD - Burden of Vaso-Occlusive pain crisis: A Cross-sectional observational study among patients with sickle cell disease in India (CO-PI in Extramural project)	Collaboration with Department of Paediatrics
4.	Pattern and outcome of patients in Pediatric Emergency Medicine Wing (PEM) at AIIMS Raipur and an update on it from across the country in India.	Collaboration with Department of Paediatrics
5.	Indian Network for COVID-19 vaccine Active Safety Surveillance in Pregnant Women (INVACS-Pregnancy) (CO-PI in Extramural project).	Collaboration with INCLIN India
6.	A study to understand the mechanism of metabolic derangement causing acute liver failure (ALF) in patients of acute yellow phosphorous poisoning - Dr. Varun Anand, Dr. Chandan K Dey	Collaboration with Biochemistry
7.	Intelligent Emergency Care system and hybrid digital healthcare (HDH).	Collaboration with IIT-Bhilai

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Screening for Multidrug resistant Organism (MDRO) colonization and associated risk factors among the critically ill patients attending Emergency Department: A guide for targeted surveillance strategy for infection prevention - Dr. Chandan K Dey, Dr. Varun Anand	Microbiology department
2.	A prospective, multi-centric, open-labeled, phase-IV study to assess safety and efficacy of LYFAQUIN (centhaquine citrate) as a resuscitative agent for hypovolemic shock to be used as an adjuvant to standard treatment of shock - Dr. Chandan Dr. Varun	Collaboration with LYFAQUIN (Extramural Funded Project- Rs. 17 Lakh)

ABSTRACTS PUBLISHED IN JOURNAL(S):

1. **Tripathy DK**, Talawar P, Sangadala P, Kumar D. Use of needle introducer for continuous spinal needle with Sprotte tip for easier insertion. Saudi Journal of Anaesthesia. 2023 Jul 1;17(3):446-7.
2. Chandran P, Agarwal A, **Tripathy DK**, Thakur N, Chandra V. Anaesthetic Considerations in Simultaneous Management of Pulmonary and Hepatic Ruptured Hydatid Cyst: A Case Report. Archives of Anesthesia and Critical Care. 2023 Jul 2.
3. Sangadala P, Talawar P, **Tripathy DK**, Gupta A, Nirjhar R. EP187 Comparison of block characteristics and outcomes in opioid based and opioid free thoracic continuous spinal anaesthesia in patients undergoing major abdominal surgery: a double blinded randomized control trial. "Regional Anesthesia & Pain Medicine 2023;48:A141-A142.
4. **Tripathy DK**, Talawar P, Dhar M, Sangadala P, Kumar D. OP021 Comparison of analgesic efficacy of ultrasound guided sacral erector spinae plane block with caudal epidural block in children undergoing lower abdominal and lower limb surgery under general anaesthesia: an exploratory randomized control trial.
5. Gupta B, **Tripathy DK**, Talawar P, Gupta A. Role of 3D anatomy and virtual dissection platform in anesthesiology: a narrative review. Bali Journal of Anesthesiology. 2023 Oct 1;7(4):191-6.
6. Sangadala P, Talawar P, **Tripathy DK**, Kaushal A, Gupta A, Raj N. Comparison of block characteristics and outcomes in opioid-free and opioid-based thoracic continuous spinal anaesthesia in patients undergoing major abdominal surgery: A double-blinded randomised controlled trial. Indian Journal of Anaesthesia. 2024 Mar 1;68(3):280-6.
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 11. **Dey CK**, Anand V, Agha M, Karim HM, Pharanitharan N, Panda CK, Kesavankutty MP, Dey C, Panda C. Perioperative Management of Emergency Craniotomies in Children With Cyanotic Congenital Heart Disease: A Case Series. *Cureus*. 2023 Jun 23;15(6).
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 13. **Anand V**, Venkatesan DK, Pugazhenthath T, Naseem M, Rathia SK, Venkatesan DK, NASEEM M. Methemoglobinemia Secondary to a Traditional Healing Practice Using Mothballs: A Need of Pediatric Vigilance. *Cureus*. 2023 Jun 30;15(6).
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 19. Gupta, B., Bhardwaj, B.B., **Agrawal, N.** (2023). Airway Management in Emergency Department. In: Ubaradka, R.S., Gupta, N., Bidkar, P.U., **Tripathy, D.K.**, Gupta, A. (eds) *The Airway Manual*. Springer, Singapore. https://doi.org/10.1007/978-981-19-4747-6_37.

Chapter(S) in Books

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1.	Tripathy, D.K., Gupta, B	<i>Imaging of the Airway</i>	<i>The Airway Manual: Practical Approach to Airway Management.</i>	Ubaradka, R.S., Gupta, N., Bidkar, P.U., Tripathy, D.K. and Gupta	1 st	Singapore	Springer Nature	2023	
2.	Tripathy, D.K., Gupta, B	<i>Supraglottic Airway Devices</i>	<i>The Airway Manual: Practical Approach to Airway Management.</i>	Ubaradka, R.S., Gupta, N., Bidkar, P.U., Tripathy, D.K. and Gupta	1 st	Singapore	Springer Nature	2023	
3.	Tripathy, D.K., Gupta, B	<i>Supraglottic Airway Devices: Clinical Applications</i>	<i>The Airway Manual: Practical Approach to Airway Management.</i>	Ubaradka, R.S., Gupta, N., Bidkar, P.U., Tripathy, D.K. and Gupta	1 st	Singapore	Springer Nature	2023	

4.	Gupta, B., Tripathy, D.K	<i>Difficult Airway Cart</i>	<i>The Airway Manual: Practical Approach to Airway Management.</i>	Ubaradka, R.S., Gupta, N., Bidkar, P.U., Tripathy, D.K. and Gupta	1 st	Singapore	Springer Nature	2023	
5.	Santosh K Rathia	<i>Triage and transport of sick children in Paediatric Trauma</i>	Pediatric Trauma a Resuscitation Module (PTRM)	<i>PTRM Manual</i>	1 st	New Delhi	Jaypee	2024	
6.	Naman Agrawal	<i>Airway Management in Emergency</i>	The Airway Manual	<i>Gupta B, Bhardwaj, B.B, Agrawal, N.</i>	1 st	Singapore	Springer	2023	

Edited Book(s) and Monograph(s)

Book(s)

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Publication	First page-Last page
1	Prof (Dr) Debendra Kumar Tripathy	--	Ubaradka, R.S., Gupta, N., Bidkar, P.U., Tripathy, D.K. and Gupta	<i>The Airway Manual: Practical Approach to Airway Management</i>	1 st	Singapore	Springer Nature	2023	10.10 07/978- 981-19- 4747- 6_37

PATIENT CARE

	OPD	IPD	Major OT	Minor OT
Total	36258	27	--	4418

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Total Seven (07) courses of training of ITBP and CRPF doctors and paramedical staff on regular basis.
2. More than Twenty (20) CME and workshops had been conducted by the department of T&E till date.
3. National instructor of PTRM and IAP- BLS & PALS- Dr.Vaun Anand, Dr. Santosh K Rathia

DEPARTMENT OF UROLOGY

Additional Professor & In-charge

Dr. Amit R. Sharma

Associate Professor

Dr. Deepak Kumar Biswal

Assistant Professor

Dr. Satyadeo Sharma

HIGHLIGHTS

Department of Urology provided OPD consultations to 21113 patients in the financial year 2023-24. It provides comprehensive patient care for all diseases involving Urinary System and Male Genital System. Various Urology sub-speciality Special Clinics [Uro-oncology, Andrology & Men Health, Female Urology & Pediatric Urology] were started from 1st September 2021. The Department is continuing and refining renal transplant services at AIIMS Raipur. State of the art ESWL facility started in Dec 2023.

EDUCATION

At present, there are three faculties in the department. MCh. Urology training programme has been started since June 2020 with annual intake of two students. At present, there are 5 Urology MCh residents. The department provides training of Senior and Junior Residents in evaluation and management of urological diseases. Surgical training on various urological procedures is also given. The department is regularly conducting joint clinical meetings with Department of Nephrology, Pathology, Medical Oncology & Radiotherapy departments.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amit Sharma

S. No.	Title	CME/Conference	Date
1.	Live Operative Procedure - "Video Endoscopic Inguinal Lymphadenectomy (VEIL): Lateral Approach Illustrated Step-Wise"	Uro-Oncology Annual Conference of USI, New Delhi	10.06.2023

S. No.	Title	CME/Conference	Date
2.	Primary RPLND in GCT	USI-YOUTH Conclave, Goa	10.07.2023
3.	E-poster: Extraperitoneal Laparoscopic Simple Prostatectomy for Benign Prostate Hyperplasia	43 rd SIU, Istanbul, Turkey	11 to 14.10.2023
4.	E-poster: A Single-Centre Experience with Lateral Video-Endoscopic Inguinal Lymph Node Dissection (L-Veil) in Patients with Penile Malignancy		
5.	E-Poster: Management of Ruptured Renal Angiomyolipoma with Bilateral Renal Staghorn Calculi		
6.	Video presentation: Extraperitoneal Laparoscopic Simple Prostatectomy for Benign Prostate Hyperplasia	3 rd SAUS Congress and 18 th Annual Academic Sessions of SLAUS and 3 rd Congress of SAARC Association of Urological Surgeons, Sri Lanka	14.11.2023 to 17.11.2023
7.	Video Presentation: Bilateral Lateral Video-Endoscopic Inguinal Lymph Node Dissection (L-Veil) in Patient with Penile Malignancy		
8.	Poster Presentation: Management of Ruptured Renal Angiomyolipoma with Bilateral Renal Staghorn Calculi		
9.	Resource faculty - Renal Anatomy with special reference to Partial Nephrectomy	Global Uro-Oncology Congress at Kolkata	23 to 25.11.2023

Dr. Deepak Biswal

S. No.	Title	CME/Conference	Date
1.	Panelist: Case based discussion: Role of MRI in renal and prostate diseases	Royal Urological Society, Rajasthan Mid-Term CME, Jaipur	20.05.2023
2.	Lecture on "PUJO with giant HDN, poorly functioning- is renogram useful?"		21.05.2023
3.	Operating Faculty at Annual Meeting of, on, for demonstration of Video Endoscopic Inguinal Lymphadenectomy (VEIL): Lateral Approach.	Uro-oncology Section of USI, Delhi	10.06.2023

4.	Chairperson: Session on "ThuFLEP" during operative workshop at Mid-Term conference of Functional and Female Urology subsection of USI on, AIIMS Bhubaneswar	USI, AIIMS, Bhubaneswar	21.07.2023
5.	Chairperson: Session on "OAB Beyond Pharmacotherapy" at Mid-Term conference of Functional and Female Urology subsection of USI on, AIIMS Bhubaneswar		23.07.2023

Dr. Satydeo Sharma

S. No.	Title	CME/Conference	Date	Organized By
1.	Laparoscopic VEIL-lateral port technique	Uro-oncology SGPGI Lucknow	April 2024	SGPGI Lucknow
2.	An unusual case of infiltrating clitoral carcinoma in background of lichen sclerosis with inguinal nodes: the management dilemma	USICON 2024 Patna	Feb 2024	USI
3.	Erectile dysfunction in premarital males	CUSAC 2023 KANHA	Dec 2023	CUS

RESEARCH

Departmental Non-funded Projects/Thesis/Dissertations

S. No.	Project
1.	Comparison of surgical outcome and donar site morbidity between everted great saphenous vein graft versus lingual mucosal graft use during substitution urethroplasty in male patients of anterior urethral strictures along with oral sub-mucous fibrosis: a randomized, open label, parallel group clinical trial.
2.	Characterisation of video-urodynamic parameters in female patients with diabetes mellitus complaining of lower urinary track symptoms.
3.	Comparison of stone free rate and surgical outcomes between non presented and presented patients undergoing retrograde intrarenal surgery for renal stone: a randomised, open label, parallel group clinical trial.

4.	Comparative Study of Double J Stent Versus Externalized Ureteral Catheter Placement in URSL (Ureteroscopic Lithotripsy).
5.	Comparison of Transrectal vs transperineal biopsy in suspected Carcinoma prostate - an open label non-inferior Randomised control trial.

Collaborative Funded Projects

Sr. No.	Project	Collaborating Department/ Institution
1.	A study of Intravesical Bacillus Calmette-Guerin (BCG) in combination with ALT-803 in patients with Non-invasive Bladder Cancer (NMIBC)	Extramural funded project
2.	The prostate biopsy study under CRC:A Multicentric Trial	Multicentric Non-funded

PUBLICATIONS

- Rt R, Sharma A, Biswal D, Goel S. Comparison of narrow band imaging versus white light imaging in detecting non muscle invasive bladder cancer. *Urologia*. 2024 Feb 19;3915603241232115. doi: 10.1177/03915603241232115. Epub ahead of print. PMID: 38372242.
- Sharma A, Biswal D, Raghavendra RT, Yadav P. Extraperitoneal Laparoscopic Simple Prostatectomy for Benign Prostate Hyperplasia. *Videourology*. 2023 Aug 1;37(1).
- Kumar AV, Rathore V, Badge R, Sharma A, Singh N, Jain K. Increased Uptake of Peritoneal Dialysis after Inclusion of Peritoneal Dialysis in Mukhyamantri Vishesh Swasthya Sahayata Yojana in Chhattisgarh. *Indian Journal of Nephrology*.:10-4103.
- Yadav P, Sharma A, Biswal DK, Rt R. Preferring Lateral Video Endoscopic Inguinal Lymph Node Dissection Over Classic Video Endoscopic Inguinal Lymph Node Dissection in Squamous Cell Carcinoma of Penis: Lessons Learnt from Twenty-One Patients at a Single Center. *Urol Res Pract*. 2023 Nov;49(6):370-375. doi: 10.5152/tud.2023.23097. PMID: 37987306; PMCID: PMC10765180.
- Sharma A, Biswal D, Roy K, Rt R, Yadav P. Extraperitoneal Laparoscopic Simple Prostatectomy for large prostatic adenomas: A single-centre experience on 14 patients with significant lower urinary tract symptoms. *Urologia*. 2023 Dec 7;3915603231217354. doi: 10.1177/03915603231217354. Epub ahead of print. PMID: 38062670.
- Sharma A, Biswal D, Roy K, Raghavendra RT. Management of ruptured renal angiomyolipoma with bilateral staghorn calculi. *Asian Journal of Urology*. 2024 Jan 26.

PATIENT CARE

Department of Urology has 30 bedded indoor facilities. It has two dedicated modular operation theatres.

OPD Services running on **Monday, Wednesday** and **Friday**.

Special Clinics run by the department are as follows:

Monday	<ul style="list-style-type: none"> ● Female Urology ● Pediatric Urology
Wednesday	<ul style="list-style-type: none"> ● Uro-oncology ● Andrology & Men Health
Friday	<ul style="list-style-type: none"> ● Vascular access/ CAPD
Saturday	<ul style="list-style-type: none"> ● Office Urological Procedures

Departmental Services Statistics (April 2023 to March 2024)

OPD	Special Clinics	IPD admissions
21113	343	885

Major Surgery at Main OT	Daycare Procedures	Emergency OT	RENAL TRANSPLANT
819	807	111	18 (4 CADAVER)

Uroflowmetry	Urodynamic Study	OPD Procedures
1951	351	4674

AWARDS, HONOURS & SIGNIFICANT EVENTS

1. Started ESWL services.
2. Received letter of appreciation by SOTTO for renal transplant at AIIMS Raipur

CENTRAL LIBRARY

Library Committee

Chairman

Prof.(Dr.) Siddhartha Nanda

Member-Secretary

Dr. Rupa Mehta

Members

Dr. Santhosh Rao

Dr. Binu Mathew

Dr. ChetanAnand

Dr. Pranita

Dr. Amritava Ghosh

Dr. Jaydeep Nandi

Librarians

Ms. Pushpalata Bhalla

Mrs. Rashmi Sharma

HIGHLIGHTS

The Central Library has a rich collection of about 11237 books and 289 thesis, 1161 e-journals, 37 Magazines, 16 News paper (English & Hindi) and addition to online databases covering e-Journals and e-books. In-house training to its staff members enhances the access of the resources that the library is subscribing.

E-RESOURCES AND ONLINE DATA-BASES

Clinical Key Databases, ERMED Consortium, up to date databases, Ithenticate software, Koha Library Software, My LOFT (Advance version of RemoteXS), Cochrane Library, Scopus Database, Access Medicine, Clinical Key Nursing Flex, Lexicomp clinical drug Information.

Central library is now fully automated with all possible modern facilities with world class library management system like 3M Library Security system has been installed in the central library AIIMS, Raipur. The library is open 8.00 AM to 12.00 PM from Monday to Saturday, on weekdays and 8.00 AM to 8.00 PM on Sundays and holidays. It is centrally air conditioned and is under CCTV surveillance. The library provides free internet connection and 24 hours Wi-Fi service to all the readers on all working days including Sundays and holidays.

LIBRARY COMMITTEE

The Central Library is managed by the Library Committee. It advises the Librarian regarding the procurement of books and subscription of periodicals and databases. The

present committee consists of a Professor in-charge as Chairperson and 7 other members from various departments and the Librarian as the Coordinator.

PROGRAMS CONDUCTED DURING 2023-24:

1. NML ERMED Consortium webinar (Wiley) for faculty, SR, PG Student on 17.05.2023.
2. NML ERMED Consortium webinar (CUP). For Faculty on 18.05.2023.
3. NML ERMED Consortium webinar (Wiley) for PG Student 13.07.2023.
4. Qmed Knowledge Foundation training program for PubMed and Reference Management Software for faculty, SR, PG Student on 14.07.2023.
5. MYLOFT Webinar for faculty, SR, PG Student on 10.10.2023.

6. BMJ Case Report Workshop for faculty, SR, PG Student on 13.10.2023.

CONFERENCES/SEMINARS/ MEETING/TRAINING PROGRAMME

- Pushpalata Bhalla, Librarian Grade-1 participated in the 4th National conference on "ERMED CONSORTIUM: EMPOWERING LIBRARIES FOR DIGITAL HEALTH TRANSFORMATION" held on 11th August 2023, organised by National Medical Library, New Delhi.
- Rashmi Sharma, Librarian Grade-1 participated in the 4th National conference on "ERMED CONSORTIUM: EMPOWERING LIBRARIES FOR DIGITAL HEALTH TRANSFORMATION" held on 11th August 2023, organised by National Medical Library, New Delhi.

INSTITUTE ETHICS COMMITTEE

Sr. No.	Name	Qualification with Specialization	Designation/ Role of member in Ethics Committee	Affiliation to Institute	Gender
1.	Dr. Sujit Kumar Naik	M.B.B.S M.D. (Psychiatry)	Chairman	Professor & Head, Department of Psychiatry, Chhattisgarh Institute of Medical Sciences (CIMS), Bilaspur (Chhattisgarh)	Male
2.	Dr. Yogendra Keche	M.B.B.S. M.D. (Pharmacology)	Member Secretary	Additional Professor Dept. of Pharmacology, AIIMS Raipur	Male
3.	Dr. Suprava Patel	M.B.B.S. M.D. (Biochemistry)	Basic Medical Scientist	Additional Professor, Department of Biochemistry AIIMS, Raipur (Chhattisgarh)	Female
4.	Dr. Tushar B. Jagzape	M.D. M. Phil. H.P.E. DAA (CMC-Vellore)	Clinician	Additional Professor, Department of Paediatrics, AIIMS, Raipur	Male
5.	Advocate Shekhar R. Amin	B.Sc., M.A., LL.B.	Legal Expert	Advocate, Civil Court, Raipur	Male
6.	Dr. Bhagwant Singh	M.A. Ph. D. (PGDY)	Social Scientist	Professor & Head Department of Philosophy & Yoga, Pt. Ravishankar Shukla University, Raipur	Male
7.	Mr. Rahul Ganesh Damke	B.E. (Civil)	Lay Person	Project Head, Mosaic Infraventures Pvt. Ltd., C/o Shri Govind Prasad Verma, Nr. Kendriya Jal Ayog, Badabhawani- nagar, Kota, Raipur	Male
8.	Mr. Mahadeo Katulkar	B.A., M.A., LL.B.	Legal Expert	Retired Principal District & Session Judge, Chhattisgarh	Male
9.	Dr. Shailesh Kumar Jadhav	M.Sc., Ph.D. Botany, Biotechnology and Microbiology	Lay Person	Professor, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur (C.G.)	Male

Sr. No.	Name	Qualification with Specialization	Designation/ Role of member in Ethics Committee	Affiliation to Institute	Gender
10.	Ms. Jyoti Chakraborty	M.Sc. (Chemistry) M.Ed.	Social Scientist	Retired Assistant Professor State Council of Educational Research & Training (SCERT), Raipur	Female
11.	Dr. Rashmi Dubey	M.B.B.S. M.D. (Anaesthesiology)	Clinician	Additional Professor, Department of Anaesthesiology, AIIMS, Raipur	Female
12.	Dr. Vinay R. Pandit	M.B.B.S. M.D. (Medicine), FACEE, PGDMLE	Clinician	Professor and Head, Department of General Medicine, AIIMS Raipur	Male
13.	Dr. Deepak D'souza	M.B.B.S. M.D. (FMT)	Basic Medical Scientist	Additional Professor, Department of Forensic Medicine and Toxicology, AIIMS, Raipur	Male
14.	Dr. Rubik Ray	M.B.B.S. M.S. (Gen. Surgery)	Clinician	Associate Professor, Department of General Surgery, AIIMS, Raipur	Male

The following are the additional members of the Ethics Committee:

Sr. No.	Name	Qualification with Specialization	Designation/ Role of member in Ethics Committee	Affiliation to Institute	Gender
01	Dr. Amit Sharma	M.B.B.S. M.Ch. (Urology)	Clinician	Associate Professor, Department of Urology, AIIMS, Raipur (Chhattisgarh)	Male
02	Dr. Ashutosh Tripathi	B.H.M.S. M.D. (Homeopathy)	Clinician AYUSH	Medical Officer (Homeopathy), Department of AYUSH, AIIMS, Raipur	Male

The IEC has been reconstituted w.e.f. 01.02.2024

Sr. No.	Name	Qualification with Specialization	Designation/ Role of member in Ethics Committee	Affiliation to Institute	Gender
1.	Dr. Gopal Prasad Soni	MBBS, MD (CFM)	Chairperson	Retd. Dean from Shri Shankaracharya Medical College, Bhilai	M
2.	Dr. Upasana Kachroo	MBBS, MD (Physiology)	Member Secretary	Associate Professor (Physiology), AIIMS, Raipur	F
3.	Dr. Anudita Bhargava	MBBS, MD (Microbiology)	Basic Medical Scientist	Professor (Microbiology), AIIMS Raipur	F
4.	Dr. Sabah Siddiqui	MBBS, MD (Medicine)	Clinician	Additional Professor (Medicine), AIIMS, Raipur	M
5.	Dr. Alok Singh	MBBS, MD (Pharmacology)	Basic Medical Scientist	Assistant Professor (Pharmacology), AIIMS, Raipur	M
6.	Dr. Rubik Ray	MBBS, MS (Surgery)	Clinician	Associate Professor (Surgery), AIIMS, Raipur	M
7.	Dr. Seema Shah	MBBS, MD (Biochemistry)	Basic Medical Scientist	Additional Professor (Biochemistry), AIIMS, Raipur	F
8.	Dr. Swapnil Akhade	MBBS, MD (FMT)	Basic Medical Scientist	Assistant Professor (FMT), AIIMS Raipur	M
9.	Dr. Sanwar Agrawal	MBBS, MD (Pediatrics)	Clinician	Director and DNB coordinator at Ekta institute of Child Health, Raipur	M
10.	Mr. A L Joshi	B.A., LLB	Legal Expert	Retd. Judge	M
11.	Mr. Mahadeo Katulkar	LLB	Legal Expert	-	M
12.	Dr.Kishore Agrawal	B.Com. LLB, Ph.D.	Lay Person	Retd. DIG Police	M
13.	Dr. Shailesh Kumar Jadhav	-	Lay Person	-	M
14.	Prof. Nister Kujur	M.A., M.Phil, NET, Ph.D (Sociology)	Social Scientist	-	M
15.	Dr. Simi Shrivastava	MA (Education Psychology), MBA (HR), Ph.D (Clinical Psychology)	Social Scientist	Director (Projects and Research), Aakanksha Lions Institute of Learning and Empowerment, Raipur	F

Sr. No.	Name	Qualification with Specialization	Designation/ Role of member in Ethics Committee	Affiliation to Institute	Gender
Additional Members					
1.	Mrs. Vandana Singh	M.Sc., LLB	Additional Member	-	F
2.	Dr. Atul Jindal	MBBS, MD (Pediatrics), DM (Pediatric Critical Care)	Additional Member	Additional Professor (Pediatrics), AIIMS, Raipur	M
3.	Dr. Arvind Agrawal	B.Sc., M.Sc. (Botany), Ph.D. (Bioscience)	Additional Member	Senior Assistant Professor, Malviya Mission Teacher Training Centre, Pt. RSU, Raipur	M
4	Dr. Amritava Ghosh	MBBS, MD, DM (Endocrinology)	Additional Member	Associate Professor (Endocrinology), AIIMS, Raipur	M
5	Dr. Rupa Mehta	MBBS, MS (ENT)	Additional Member	Additional Professor (ENT), AIIMS, Raipur	F

- The IEC was registered in the year 2015 and 2nd re-registration with the CDSCO was done in the year 2021. The re-registration is valid till 26.02.2026.
- As per the New Drugs and Clinical Trial Rule 2019, Government of India the Ethics Committee of AIIMS Raipur got registered under the Department of Health Research (DHR) and the registration no. EC/NEW/INST/2022/CG/0075 was issued on 15.03.2022. The registration is valid for a period of five years from the date of its issue.

2.0 IEC Project Details (Year-wise)

Year	No. of research projects reviewed	Approved (including Exempted)	Rejected	Revision	Terminated		Completed	Ongoing
					after review	before review		
2015-16	22	22	-	-	01	-	15	06
2016-17	42	41	-	-	01	-	24	13
2017-18	69	65	-	-	04 after approval	04	35	26
2018-19	136	135	-	01	08	-	34	92
2019-20	199	194	01	03	01	-	32	157
2020-21	326	320	-	05	08 after approval	01	20	292
2021-22	290	286	-	01	02 after approval	03	04	276
2022-23	256	255	-	01	01 after approval	02	05	200
2023-24	288	287	-	-	01	-	07	250
Total	1628	1605	01	11	37		176	1312

* Including Faculty, SR, PG thesis, DNB, Ph.D., PDCC, DM/MCH, MPH, Nursing, MBBS and ICMR-STC projects.

3.0 IEC Meetings held during 2023-24

3.1 Total no. of meeting held during 2023-24: Three (03) - full board and five (05) Sub-committee meetings.

3.2 Details of meetings held

Date of Meeting	No. of research projects reviewed*	Approved & Provisionally approved	Rejected	Exemption	Terminated	Sent for revision
15.04.2023	30 (29 new, 01 revised)	29	-	01	-	-
24.06.2023 (sub-committee meeting)	25 (25 new)	24	-	-	-	01
19.08.2023	50 (49 new, 01 revised)	45	-	05	-	-
07.10.2023 (sub-committee meeting)	43 (43 new)	42	-	-	-	01
20.10.2023 (sub-committee meeting)	27 (27 new)	26	-	-	-	01
24.11.2023 (sub-committee meeting)	18 (18 new)	18	-	-	-	-
09.12.2023	77 (75 new)	77	-	-	-	-
27.01.2024 (sub-committee meeting)	21 (21 new)	21	-	-	-	-

* Including Faculty, SR/JR, PG thesis, DNB, Ph.D., PDCC, DM/MCH, MPH, Nursing and ICMR-STC projects.

3.3 IEC decision on projects reviewed during 2023-24(as on31.03.2024)

Total no. of project reviewed	288
Total no. of project approved	281
Total no. of project Exempted	06
Total no. of project rejected	00
Total no. of project for revision	00
Total no. of project Terminated	01 (01 before approval)

3.4 Status (Ongoing/Completed/Terminated) during 01.04.2023 to 31.03.2024

Total no. of ongoing projects	250
Total no. of completed projects	07
Total no. of Terminated	01
Total no. of Rejected	00
Total no. of Pending	30
Total no. of projects sent for revision	00
Total no. of projects	288

Note: Number in bracket indicates the cumulative figure.

3.5 Details of approved research projects during 2023-24 (as on 31.03.2024)

Total no. of funded projects (Extramural projects)	37
Total no. of funded projects (Intramural projects)	21

3.5.1 Details of approved Extramural funded projects (N=37)

Total no. Pharmaceutical Industry/Non-Govt. sponsored projects	21
Total no. Government agency & other sponsored projects	16

Note: 01 Pharmaceutical Project was terminated by PI after approval

3.6 Serious Adverse Events (SAEs) and deaths SAEs analysed by IEC-AIIMS Raipur during 01.04.2023 to 31.03.2024

Total no. of Serious Adverse Events (SAEs)	44
Total no. of deaths SAEs	22

4.0 List of the Institute with an MoU:

1. MMI Narayana Superspeciality Hospital, Lalpur, Raipur
2. Shree Narayana Hospital, Raipur
3. Indian Institute of Technology (IIT),Bhilai
4. Amity University Chhattisgarh (AUC), Raipur
5. Guru Ghasidas Vishwavidyalya, (GGU) Bilaspur

5.0 IEC office bearer

- Pramod Kumar Sahu - *Junior Administrative Officer*
- Preeti Sharma - *Data Entry Operator*

INTERNAL COMPLAINTS COMMITTEE

The PoSH (Prevention of Sexual Harassment) Act (2013) is a legislation enacted by the Government of India in 2013 to address the issue of sexual harassment faced by women in the workplace.

The Act aims to create a safe, secure and conducive work environment for women and provide protection against sexual harassment.

The Act succeeds the Vishaka Guidelines - a set of procedural guidelines promulgated by Supreme Court in the year 1997.

The Internal Complaints Committee (ICC), or the PoSH Committee acts as a redressal body for any complaint filed against sexual harassment at workplace in any organization/ institution / company / etc.

Vide Office Order no. 22/137/3/2019-20/Admin/3690 dated 24/03/2022, the Competent Authority has constituted Internal Complaints Committee (herein-after referred to as ICC) for addressing the complaints pertaining to Sexual Harassment at All India Institute of Medical Sciences, Raipur, vis-à-vis as envisaged in Prevention of Sexual Harassment Act.



The committee currently comprises of the following members:

1.	Prof. Eli Mohapatra, Prof., D/o Biochemistry	Presiding Officer
2.	Smt. Chanchal Tiwari, Addl. Superintending of Police, IGP Office, Raipur Range, Raipur (CG)	External Member
3.	Prof. Dr. Binu Mathews, Prof. and Principal, College of Nursing	Member
4.	Prof. Dr. Abhiruchi Galhotra, Prof., D/o Community and Family Medicine	Member
5.	Dr. Deepak D'Souza, Addl. Prof., D/o Forensic Medicine	Member
6.	Dr. Dibakar Sahu, Associate Prof., D/o Pulmonary Medicine & TB	Member
7.	Shiv Shankar Sharma, Public Relation Officer	Member
8.	Smt. Upasona Khound Singh, Security Officer	Member Secretary

ICC carries out orientation programmes and seminars for the Members of the Internal Complaints Committee. It also carries out employees awareness programmes and creates forum for dialogues. The committee has made sustained efforts at disseminating awareness about the Act through display boards in the campus.

- No. of complaints of sexual harassment received in the year 2023-24: 06 (six).
- No. of complaints disposed off during the year 2023-24: 05 (five).



SCHOOL OF PUBLIC HEALTH

Professor & Course Co-Ordinator

Dr. Anil K. Goel

Assistant Professor

Dr. Nitin Agrawal

Senior Residents

Dr. Sakthi Das

Junior Residents

Dr. Raghunandan Malav

Dr. Samriddhi Sharma

Dr. Chinu Agrawal

HIGHLIGHTS

The School of Public Health (SPH), AIIMS Raipur, successfully entered the 5th year of its establishment with a fresh intake of 4 candidates in 2023-24.

1. **UHTC Ram Nagar:** MPH Batch 2023 had an opportunity to visit the Urban Health Training Center (UHTC), Ram Nagar. The visit offered practical exposure to primary healthcare settings, allowing students to observe and engage with healthcare practices in the community.
2. **Peripheral Postings:** Peripheral postings were arranged for MPH Batch 2021 and 2022, including placements at SHRC Raipur, UHTC AIIMS Raipur, and various departments of AIIMS Raipur. These postings provided valuable hands-on experience in diverse healthcare settings.
3. **IN-HOUSE VISITS-**The MPH Batch of

2023 engages in a structured program of in-house visits every Saturday, dedicating a single day to explore each department within our institute. This initiative underscores our commitment to comprehensive understanding and immersion within our institutional framework.

The program began on January 20, 2024, with a visit to the Department of Transfusion Medicine and Blood Bank. Subsequent visits have included the BSL laboratories, BMW management center, ICTC, PPTCT clinic, CSSD, sewage treatment plant, well baby clinic, SMART Unit (State Center of Excellence for Nutrition), IYCF Skill Lab, Lifestyle and modification clinic.

4. **MUSEUM** - In 2023, both the MPH Batch of 2021 and 2022 had the opportunity to visit the Community medicine

Department's Museum at Pt JNM Medical College. This visit provided valuable insights into the department's work and enriched our understanding of practical knowledge.

5. **JSS Ganiyari**-The MPH Batch of 2021 completed 1 month internship at Jan

Swasthya Sahyog (JSS) in Ganiyari, showcasing their dedication to practical experience and community engagement. This invaluable opportunity further enriched their understanding of public health dynamics and underscored the importance of hands-on learning in our academic curriculum.

TABLE 1: PLACEMENT OF FIRST BATCH (2019) MPH STUDENTS

Name of Student	Organization
Dr. Kritika Vaishnav	Research Associate, Samarthan Centre for Development, Raipur
Dr. Priyanka Parhad	State Program Associate for Health and Wellness Center, SHRC, Chhattisgarh (C.G.)
Ms. Snehlata	Nursing Officer, Lady Hardinge Medical College and Hospital, Delhi
Mr. Srikanta Padhan	PhD Scholar, AIIMS Raipur
Ms. Sumitra Somara	Cleared NORCET

TABLE 2: PLACEMENT OF SECOND BATCH (2020) MPH STUDENTS

Name of Student	Organization
Dr. Astha Soni	NCD Consultant at Pen Plus Project, Ambikapur, Chhattisgarh.
Ms. Pramita Kumari	Programme Associate for Ayushman Bharat - Health and Wellness Center (AB-HWCs), Jashpur, State Health Resource Centre, Raipur, Chhattisgarh (C.G.)
Dr. Sanjana Agrawal	Programme Associate for Ayushman Bharat - Health and Wellness Center (AB-HWCs), Kondagaon, State Health Resource Centre, Raipur, Chhattisgarh (C.G.)
Mr. Senthil Kumar	Programme Associate for Ayushman Bharat - Health and Wellness Center (AB-HWCs), Raipur, State Health Resource Centre, Raipur Chhattisgarh (C.G.)
Dr. Shikhar Sharma	Programme Associate for New Born Care Consultant, State Health Resource Centre, Mahasamund, Chhattisgarh (C.G.)

TABLE 3: PLACEMENT OF THIRD BATCH (2021) MPH STUDENTS

Name of Student	Organization
Mr. Amit Sahoo	Project Co-ordinator, Indian Institute of Public Health, Bhubaneswar.
Dr. Neelesh Shrivastava	District Program Manager, NTEP-PPSA Program under Deepak Foundation, Supported by NHM, Madhya Pradesh.
Dr. Hafseera P.	Cleared UGC NET
Dr. Astha Sethi	Program Assistant, Department of Community Medicine and School of Public Health, PGIMER, Chandigarh.

HEALTH AWARENESS ACTIVITIES

Continuing advocacy for general health awareness, personal and hand hygiene, and various other health topics, the department organized health promotion activities in the communities, schools and OPD Registration Area, AIIMS, Raipur, for the beneficiaries. Advocacy sessions were also organized on the following days:

1. World Hypertension Day - 17th May 2023
2. World No Tobacco Day - 31st May 2023
3. World Environment Day - 5th June 2023
4. World Sickle Cell Day - 19th June 2023
5. International Yoga Day - 21st June 2023
6. World Hepatitis Day - 28th July 2023
7. World Breastfeeding Week - 7th August 2023
8. World Rabies Day - 29th September 2023
9. World Mental Health Day - 10th October 2023
10. World Polio Day - 23rd October 2023
11. National Cancer Awareness Day - 7th November 2023

12. World Diabetes Day - 21st November 2023
13. World AIDS Day - 1st December 2023
14. World Leprosy Day - 30th January 2024
15. World Cancer Day - 4th February 2024
16. World Tuberculosis Day - 24th March 2024

EDUCATION

MPH course is a two-year course comprising four semesters, 16 modules, one academic research project, and two months of internship. There are 10 students currently pursuing MPH in the department, six in the second year and four in the first year.

Adhering to the MoHFW curriculum for the MPH course, The School of Public Health, AIIMS Raipur, employs various teaching/learning techniques like didactic lectures, seminars, journal clubs, collaborative learning, group discussions, assignments, hands-on training on computers, visiting organizations of public health interests, film review, poster making, debates, practical, field projects, public health campaigns, etc. for teaching.

ACADEMIC DEVELOPMENT

In 2023-24, 77 Lectures, 50 seminars, 8 journal clubs, 18 health education campaigns, and various field visits have been conducted.

Sl. No.	Activity	Frequency
1.	Debate	2/month
2.	Discussion	Every week
3.	Group Discussion	Every Week
4.	Journal Club Presentation	Once every month
5.	In-House visit Report	Weekly
6.	Lecture	Twice/week
7.	Co-curricular Activity IEC/Model	Twice/week
8.	Practical Classes	Twice/week
9.	Seminar	2/week
10.	Demonstrations	1/week
11.	Document Presentation	2/week
12.	In-House Visit	Every Saturday
13.	Timeline Meeting	Every Saturday

Lectures

Research Methodology	10 Lectures	Dr. Nitin Borkar Dr. Anjan Kumar Giri
National Health Programmes (NHPs)	11 Lectures	Dr. Gouri Kumari Padhy Dr. Anjali Pal Dr. Arvind Kumar Shukla Dr. Amit Kumar Mishra Dr. Aditi Chandrakar Dr. AshwiniKatole Dr. Anjan Kumar Giri Dr. Ashish Khobragade
Health Management	5 Lectures	Dr. Nitin Agrawal

Health Economics, Finance & Budget	5 Lectures	Dr. Nitin Agrawal
Community and Family Medicine (CFM)	5 Lectures	Dr. Ashish Khobragade Dr. Amit Kumar Mishra Dr. Aditi Chandrakar Dr. Anjali Pal Dr. Ashwini Katole
Design and evaluation of public health programmes, systems and policies	5 Lectures	Dr. Nitin Agrawal
Communicable Diseases	9 Lectures	Dr. Nitin Agrawal
Epidemiology	9 Lectures	Dr. Nitin Agrawal
Reproductive, Maternal, Newborn, Child, Adolescent Health Plus Nutrition (RMNCAH+N)	4 Lectures	Dr. Nitin Agrawal
Principles and practices of public health	3 Lectures	Dr. Nitin Agrawal
National Health Programmes (NHPs)	6 Lectures	Dr. Nitin Agrawal
Non-communicable diseases (NCDs)	5 Lectures	Dr. Nitin Agrawal

FIELD VISITS

AT SHRC

- The Department participated in the assessment of Urban Primary Health Centers (UPHCs) conducted from June 16th to June 30th, 2023.
- This involved attending introductory and training sessions at SHRC, followed by visits to various UPHCs at Changorabhata, Mathpuren, and Hirapur.
- Through this experience, the participants gained insights into the processes involved in UPHC evaluation and the essential services they provide.

AT SWASTHYA BHAWAN

- Learned about the various services offered by Swasthya Bhawan, including Tobacco Control (NTCP), Oral Health Promotion (NOHP), Dialysis Program (PMNDP), and others listed in the provided information.
- This exposure provided valuable knowledge about Swasthya Bhawan's role in shaping health policy, resource allocation, and overall public health initiatives in the region.

RESEARCH: DEPARTMENTAL PROJECTS-NON-FUNDED PROJECTS/ICMR-STP PROJECTS / THESIS/DISSERTATIONS:

COMPLETED (MPH BATCH 2021)

Sl. No.	Project	Name of Student
1.	Risk factors for Hepatitis B and C among prisoners in Central jail of Raipur and Durg districts in Chhattisgarh, India: A case-control study	Mr. Amit Kumar Sahoo
2.	An assessment of Biomedical Waste Management practices of empanelled government and private hospitals of Raipur city	Mr. Arvind Kumar Bharti
3.	Knowledge, Attitude and Practice (KAP) regarding microplastic pollution amongst school-going adolescents in Raipur city, Chhattisgarh, India: A cross-sectional study	Dr. Astha Sethi
4.	The Assessment of Quality of Life and Speech Outcome among Post-operative Oral Cancer Patients: A Hospital-Based Study	Dr. Hafseera P
5.	A descriptive study regarding availability of Physical infrastructure and Human resources in Health and Wellness Centres of Raipur District (CG)	Dr. Neelesh Shrivastava
6.	An Assessment of Knowledge, Attitude & Perception (KAP) towards Yoga practice among Health care professionals of AIIMS, Raipur: A cross-sectional study	Dr. Sonali Jaiswal

ON-GOING PROJECTS (MPH BATCH 2022)

Sl. No.	Name of Student	Project
1.	Dr. Riya Manna	Risk assessment for air-borne transmission of Mycobacterium Tuberculosis in OPD & IPD setting in Tertiary Care Hospital
2.	Dr. Nitiksha Singh	Prevalence of Neck Pain amongst Computer Operator of AIIMS Staff
3.	Dr. Nishat A Jafri	Caregiver Perception of Paediatric ESRD Patients
4.	Dr. Prachi Karne	Effect of Peer Support Group in Quality of Life in Patients Going Through Dialysis
5.	Dr. Shripal Choudhary	Intestinal Parasitic Infection in the Slum Community Living in Raipur City & it's linked with awareness of Poor Sanitation Practice
6.	Mr. Roshan Marandi	Quality of life among migrant construction workers in Raipur, Chattisgarh: A descriptive cross-sectional study

ON-GOING PROJECTS (MPH BATCH 2023)

Sl. No.	Name of Student	Project
1.	Dr. Ravi Chandra C V	Evaluation of adverse drug reaction profile and medication adherence to drugs prescribed for the treatment of leprosy
2.	Dr. Trapti Sikarwar	Role of sociodemographic factors on the severity of COPD
3.	Dr. Sagar Saha	An assessment of knowledge, attitude & Practice (KAP) about sickle cell disease among The parents in paediatrics OPD of AIIMS, Raipur: A Cross-sectional study
4.	Dr. Vivek Tiwari	To Assess the Impact of Yoga and Counselling among Antenatal Mothers on Breastfeeding Practices During Neonatal Period: A Prospective Comparative Study

PUBLICATIONS

JOURNAL ARTICLES PUBLISHED BY SPH ALUMNI (2023-2024)

- Agrawal S**, Gahwai D K, Dayama S, et al. (August 08, 2023) An Analysis of COVID-19 Mortality in Chhattisgarh: A Two-Year Study on Demographics, Trends, and Impacts. *Cureus* 15(8): e43155. DOI 10.7759/cureus.43155
- Agrawal, S.**, Galhotra, A., Sahu, S. K., & Ramasamy, S. (2023). Impact of COVID-19 on mortality trends and patterns in a tertiary care hospital of Central India: A retrospective study. *Emerging Journal of Acute Disease*, 12(2), 228-234.
- Agrawal S**, Galhotra A, Gahwai D, Dayama S. The impact of Covid 19 in Chhattisgarh, India: A descriptive study. *J Family Med Prim Care* 2024; 13:221-9.
- Ramasamy, Senthilkumar; Agrawal, Sanjana; Paradan, Hafseera.** (2023). A step towards zero leprosy: Active case finding through community-based approach. *Asian Pacific Journal of Tropical Medicine*, 16(7), 332-334.
- Ramasamy, S.**, Rathore, V., Galhotra, A., & **Agrawal, S.** (2022). Health equity in dialysis care: Time for action. *Indian Journal of Community and Family Medicine*, 6(4), 1320-1324.
- Pannaerselvam, S., & **Ramasamy, S.** (2023). Psychiatric nursing: A specialty in greater demand. *Journal of Integrative Nursing*.
- Galhotra, A., Rathore, V., Pal, R., Nayak, S., **Ramasamy, S.**, Patel, S., Joshi, P., Nagarkar, N. M., Jha, V. (2023). Clinico-epidemiological profile of patients with chronic kidney diseases of unknown etiology: A hospital-based, cross-sectional study from Central India. *Indian Journal of Nephrology*.
- Parhad P**, Galhotra A, Jindal A, et al. (July 16, 2022) An Assessment of the Profile and Predictors of Outcomes in COVID-19 Patients Hospitalized in a Tertiary Care Institute in Central India. *Cureus* 14(7): e26909. DOI 10.7759/cureus.26909

AWARDS, HONOURS AND SIGNIFICANT EVENTS

On the occasion of **Hindi Pakhwada-2023** various competitions were held in our institute, the students of the School of Public Health (SPH), have achieved remarkable success in these competitions.

The poetry titled "**Yoddha**" by **Dr. Shripal Choudhary**, a second-year MPH student at AIIMS Raipur, was published in the 11th edition of the **E-Spandan magazine**.

VISITING FACULTIES

Faculty Name	Department
Dr. Gouri Kumari Padhy	CFM
Dr. Nitin Borkar	Paediatric surgery
Dr. Anjan Kumar Giri	CFM
Dr. Anjali Pal	CFM
Dr. Arvind Kumar Shukla	CFM
Dr. Amit Kumar Mishra	CFM
Dr. Aditi Chandrakar	CFM
Dr. Ashwini Katole	CFM
Dr. Ashish Khobragade	CFM

ANTI-RAGGING COMMITTEE

Chairman

Lt Gen Ashok Kumar Jindal (Retd)

Vice-Chairman

Prof. (Dr.) Alok C. Agrawal

Anti-Ragging Measures

Ragging in all forms is totally banned in the entire AIIMS Raipur campus including departments, library, academic & non-academic locations (residential, sports area, canteen, etc.). AIIMS Raipur strictly follows Zero Tolerance for Ragging.

The following measures are being undertaken to curb the menace of ragging in the campus:

1. Fresh batch students would be provided with security (escorts) to reach classrooms from their respective hostels and back to hostel after the classes are over.
2. During all events of interaction of batches in the campus (such as during celebration, functions, sports or other co-curricular & extracurricular activities) teachers / wardens / security personnel would be appointed to keep vigil on students' activities.
3. No senior student would be permitted to meet fresh batch students in their hostels without permission of warden. Security officers to be vigilant round clock.
4. Faculty/Teachers of corresponding departments would ensure that all students come and leave together in their departmental (teaching) activity. If any student is held in department by a teacher for some reason, it is his/her responsibility to ensure that the student reaches hostel safely.
5. During any occasion of stay in college premises other than stipulated teaching hours (for rehearsal, preparation of an event etc), a fresh batch student shall not be permitted to stay in absence of faculty/teachers.
6. General code of conduct of hostel would be strictly followed.
7. All teaching and non-teaching staffs have to submit undertaking for curbing the menace of ragging in this campus.
8. Freshers who do not report the incidents of ragging, either as victims or as witnesses, would be punished suitably.
9. Depending upon the nature and gravity of the offence as established by the Anti-Ragging Committee of the institution, the possible punishments for those found guilty of ragging at the institution level shall be any one or any combination of the following:
 - Suspension from attending classes and academic privileges.

- ♦ Withholding/withdrawing scholarship/fellowship and other benefits.
- ♦ Debarring from appearing in any test/examination or other evaluation Process.
- ♦ Withholding results.
- ♦ Debarring from representing the institution in any regional, national or international meet, tournament, youth festival, etc.
- ♦ Suspension/ expulsion from the hostel.
- ♦ Cancellation of admission.
- ♦ Rustication from the institution for period ranging from 1 to 4 semesters.
- ♦ Expulsion from the institution and consequent debarring from admission to any other Institution for a specific period.
- ♦ Collective punishment: When the persons committing or abetting the crime of ragging

Anti-Ragging Committee

As per the directions of the Hon'ble Supreme Court of India, UGC and other Regulatory bodies, AIIMS Raipur has formulated its policy against the menace of ragging. In accordance of the aforementioned guidelines, Anti-Ragging Committee at AIIMS Raipur has been constituted.

Anti-Ragging Squad at AIIMS Raipur

As per the directions /guidelines of the Hon'ble Supreme Court of India, UGC and other Regulatory bodies, AIIMS Raipur has a strict Anti-Ragging Policy. In accordance with the aforesaid guidelines, the Anti-Ragging Squad has been constituted in AIIMS, Raipur.

The Anti-Ragging Squad is assigned the duty to have vigil, oversight and patrolling functions and is empowered to inspect locations prone for potential ragging incidents; and make surprise checks/visits in hostels/mess/library and other vulnerable spots. The squad shall report incidents of ragging, if any, and shall work under the overall guidance of the Anti-Ragging Committee of the institute. The names, contact numbers and email addresses of the members of the Anti Ragging Committee and Anti Ragging squad are available at the website i.e., www.aiimsraipur.edu.in; so as to enable the students/parents/other stakeholders to register their complaints/grievances and contact them for redressal.

National Anti-Ragging Helpline 18001805522

Email id-helpline@antiragging.in

Annual Accounts and Audit Report for the FY 2023-24

Separate Audit Report of the Comptroller and Auditor General of India on the Accounts of All India Institute of Medical Sciences, Raipur for the year ended 31 March 2024

We have audited the attached Balance Sheet of All India Institute of Medical Sciences (AIIMS), Raipur as at 31 March 2024, Income and Expenditure Account and the Receipts and Payment Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers & Conditions of Service) Act, 1971. These financial statements are the responsibility of the AIIMS's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller and Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc. if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining on a test basis, evidences supporting the amounts and disclosures in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis of our opinion.

4. Based on our audit, we report that-

- (i) We have obtained all the information and explanations which to the best of our knowledge and belief, were necessary for the purpose of our audit;
- (ii) The Balance Sheet, Income and Expenditure Account and the Receipts and Payments Account dealt with by this report have been drawn up in the format approved by the Ministry of Finance.
- (iii) In our opinion, proper books of accounts and other relevant records have been maintained by the AIIMS, Raipur in so far as it appears from our examination of such books.

(iv) We further report that:-

A. Balance Sheet

1. Assets

1.1 Current Assets, Loan and Advances (Schedule-11) - ₹ 285.55 crore

Memorandum of Understanding (MoU) was made on 18/03/2016 between HLL LIFECARE LIMITED and ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR to set up, maintain & operate "AMRIT PHARMACY" at AIIMS Raipur campus. As per clause 5 of MoU, HLL agreed to pay AIIMS the cost of Electricity on a monthly basis at actual as per bills received from the AIIMS authorities. In compliance of the given clause AIIMS, Raipur raised an electricity bill on 09/01/2024 of an amount of ₹ 12,84,942/- to HLL which is still receivable as on date. Despite being receivable, the amount was not taken into Assets side of balance sheet for the year 2023-24. This resulted in understatement of Loans, Advances & Deposits as well as Corpus/Capital Fund by ₹ 0.13 crore

B. General

Provisions for Gratuity and Leave Encashment for eligible employees have not been made on Actuarial Valuation basis as per AS-15.

C. Management Letter

Deficiencies which have not been included in the Separate Audit Report have been brought to the notice of the Director, All India Institute of Medical Sciences (AIIMS), Raipur through a Management Letter issued separately for remedial/ corrective action.

D. Grants-in-aid

AIIMS Raipur received grants-in-aid of ₹ 680.40 crore. In addition to this, there was an unspent balance of ₹ 62.28 crore (including of ₹ 3.37 crore interest earned on grants-in-aid during 2022-23 and ₹ 4.32 crore of unadjusted advance met out from grant). Thus out of total available funds of ₹ 742.68 crore an amount of ₹ 668.89 crore was utilized, ₹ 12.32 crore was refunded on account of GIA salary and Capital assets, ₹ 3.37 crore interest earned on GIA has been refunded leaving an unutilized balance of ₹ 58.10 crore (including ₹ 4.53 crore unadjusted advances) at the end of the year.

- (v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.
- (vi) In our opinion and the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Account and subject to the significant matters stated above and other matters mentioned in the Annexure to this Separate Audit Report, give a true and fair view in conformity with accounting principles generally accepted in India.
- a) In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Raipur as at 31 March 2024; and
- b) In so far as it relates to the Income and Expenditure Account of the deficit, for the year ended on that date.

For and on behalf of the Comptroller and Auditor General of India

Place:

Date:



**Director General of Audit
(Central Receipts)**

Annexure

1. Adequacy of Internal Audit system:

Internal Audit system is found to be inadequate as last internal audit of AIIMS Raipur was conducted by MoHFW for the period 2015 to 2021.

2. Adequacy of Internal control system:

The internal control system was found to be inadequate due to:

- (i) 14 paras of compliance audit {03 paras for the period 01/20 to 12/20, 05 paras for the period 01/21 to 06/21, 03 paras for the period 07/21 to 10/22 and 03 paras for the period 11/22 to 10/2023} were still pending.
- (ii) 22 paras of internal audit were still pending.
- (iii) AIIMS Raipur has no Accounting Manual of its own.
- (iv) Confirmation of debtors/loans and advances not taken from respective parties by AIIMS Raipur.

3. Physical verification of Fixed Assets:

Physical verification fixed assets has been conducted for the year 2023-24.

4. Physical verification of Inventories:

Physical verification of Inventories been conducted for the year 2023-24.

5. Regularity in payment of Statutory Dues:

No irregularity was noticed in payment of statutory dues.


 Sr. Audit Officer / AMG-II

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Balance Sheet as on 31/03/2024

	SCHEDULES	Current Year 2023-24	Previous Year 2022-23
A) CORPUS/ CAPITAL FUND AND LIABILITIES			
		₹	₹
Corpus/ Capital Fund	1	11,40,33,99,316.86	10,74,82,55,810.89
Reserves and Surplus	2	-	-
Earmarked/ Endowment Funds	3	-	-
Secured Loans and Borrowings	4	-	-
Unsecured Loans & Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities and Provisions	7	32,09,01,793.99	24,16,48,077.99
TOTAL		11,72,43,01,110.85	10,98,99,03,888.88

B) ASSETS			
Fixed Assets	8	8,86,88,13,981.48	8,36,22,54,530.08
Investments- From Earmarked/ Endowment Funds	9	-	-
Investments- Others	10	-	-
Current Assets, Loans, Advances Etc.	11	2,85,54,87,129.37	2,62,76,49,358.80
Miscellaneous Expenditure		-	-
(to the extend not written off or adjusted)		-	-
TOTAL		11,72,43,01,110.85	10,98,99,03,888.88

SIGNIFICANT ACCOUNTING POLICIES AS PER SCHEDULE 24
CONTINGENT LIABILITIES AND NOTES ON ACCOUNT AS PER SCHEDULE 25

FOR, ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR


VINOD G
FINANCIAL ADVISOR (OFFICIATING)


LT GEN ASHOK JINDAL
EXECUTIVE DIRECTOR & CEO

Date: 24/06/2024
Place: Raipur, C.G.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Income & Expenditure Account for the year ended 31/03/2024

Particulars	SCHEDULES	Current Year 2023-24	Previous Year 2022-23
INCOME		₹	₹
Income from Sales/ Services	12	19,44,83,774.36	15,94,28,678.46
Grants/ Subsidies	13	5,67,00,00,000.00	4,66,50,00,000.00
Fees/ Subscriptions	14	-	-
Income from Investments (Income on Investment from earmarked/ endow funds transferred to Funds, Rent)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	16,91,59,029.39	6,37,28,968.29
Other Income	18	11,23,21,191.74	37,43,82,608.24
Increase/ (decrease) in stock of finished goods and work-in-progress	19	-	-
Excess Provision Made in FY 2020-21		-	-
Excess Provision Made in FY 2021-22		-	11,57,543.00
Net Prior Period Income		9,927.10	57,77,415.00
TOTAL (A)		6,14,59,73,922.59	5,26,94,75,212.99

EXPENDITURE		₹	₹
Establishment Expenses	20	3,68,62,51,902.00	3,05,99,41,920.00
Other Administrative Expenses etc.	21	1,76,52,37,167.96	1,50,49,80,711.66
Expenditure on Grants, Subsidies etc.	22	24,69,292.00	23,616.00
Interest	23	-	-
Depreciation (Net Total at the year-end-corresponding to Schedule)	8	80,20,81,358.00	80,75,55,135.00
Refund of Grant-in-Aid (Salary)		11,00,00,000.00	16,50,02,136.00
Refund of Grant-in-Aid (General)		-	-
Refund of amount against written off in previous years		-	4,58,230.00
Expenses Under Swachhata Action Plan		2,35,77,756.00	8,80,90,969.94
Expenses Under PMJAY- Ayushman Bharat		23,13,99,703.00	7,61,09,068.82
Prior Period Items		2,12,391.00	-
Prior Period Items		(5,02,815.34)	(14,18,904.18)
TOTAL (B)		6,62,07,26,754.62	5,70,07,42,883.24

Balance being excess of Expenditure over Income, this is indication of Deficit (A-B)	(47,47,52,832.03)	(43,12,67,670.25)
Transfer to Special Reserve (Specify each)	-	-
Transfer to / from General Reserve	-	-
BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS/ CAPITAL FUND	(47,47,52,832.03)	(43,12,67,670.25)

SIGNIFICANT ACCOUNTING POLICIES AS PER SCHEDULE 24

CONTINGENT LIABILITIES AND NOTES ON ACCOUNT AS PER SCHEDULE 25


VINOD G
FINANCIAL ADVISOR (OFFICIATING)


LT GEN ASHOK JINDAL
EXECUTIVE DIRECTOR & CEO

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2024											
S.N.	RECEIPTS	Current Year		Previous Year		S.N.	PAYMENTS	Current Year		Previous Year	
		2023-24		2022-23				2023-24		2022-23	
		₹		₹				₹		₹	
I	Opening Balance					I	Expenses				
	a) Cash in Hand	2,20,033.00	2,83,387.00			a)	Establishment Expenses	3,36,09,30,756.00	2,77,02,96,516.00		
	b) Bank Balances					b)	Administrative Expenses	1,85,80,77,492.50	1,33,74,30,806.41		
	i) in Current Accounts	65,98,54,876.83	2,24,70,13,640.13			c)	Expenses Under Swachhata Action Plan	-	-		
	ii) in Saving Accounts	8,36,49,419.99	7,55,86,382.20			d)	Others				
II	Grant Received						Net Contingent Advance Paid	47,20,770.10	98,80,000.00		
	a) From Government of India						Net Imprest Money Paid	41,15,266.00	40,07,679.05		
	GIA General	1,77,00,00,000.00	1,57,00,00,000.00				Net LTC Paid	31,02,900.00	36,89,456.00		
	GIA Salaries	3,98,00,00,000.00	3,27,00,00,000.00				Tour Advance Paid	43,07,011.00	30,62,219.00		
	GIA Capital	1,13,40,00,000.00	85,00,00,000.00				Unclaimed EMO Paid	3,32,007.00	-		
	GIA General (Swachhata Action Plan)	2,00,00,000.00	2,50,00,000.00				Unclaimed Security Deposit Paid	1,31,697.00	-		
III	Contingent Advance for Conversion	17,01,376.23	-				Medical and Other Advance	46,730.00	-		
IV	Fixed Deposit amount received	1,53,92,42,952.00	-				Interest paid on Pension Fund	20,40,431.00	-		
V	GIA Received for AIMS Nagpur	-	-				Financial Assistance	5,43,800.00	1,25,200.00		
VI	Income on Investments	-	-				Contingent Advance under Receipt	-	-		
VII	Interest Received						Contingent Advance against Extramural Fund	-	26,43,351.00		
	a) On Bank Account	2,39,37,623.23	3,48,31,501.63				Contingent Advance (Intramural)	-	5,03,688.00		
	b) Interest received but refundable to MoHW	-	3,39,36,281.00				Contingent Advance-SAP	-	1,78,385.00		
	c) Bank Interest on Pension Fund	16,79,499.00	13,72,347.00				Imprest Advance (PHSMT-Ayushman Bharat)	-	21,468.00		
VIII	Other Receipt						AIMS Raipur Medical Student Welfare Society	30,000.00	33,490.00		
	Receipts From Hospital	17,75,78,306.00	15,59,48,492.00				PM Care Fund	-	-		
	Admission fees, Entrance fees, Application fees, Examination fees, Other Receipt	3,43,61,698.34	33,08,896.44			IX	Payment made under Extramural Fund	84,90,300.00	51,36,280.00		
	Overhead Charges (Extramural Fund)	-	66,712.00			X	Investments and deposits made				
	Security deposit	2,10,000.00	4,13,117.00			a)	Out of Extramural/ Endowment funds	-	-		
	Earnest Money Deposit (EMD)	1,84,53,648.00	1,58,24,491.00			b)	Out of Own Funds	-	-		
	Penalty Receipt from (SA/MA/PG Students etc.)	58,90,140.00	74,85,214.00			IV	Fixed Deposits with Bank of India	2,00,00,00,000.00	1,80,00,00,000.00		
	Received from Gyle	15,250.00	10,900.00			V	Deposit with CSPOCL	-	58,818.00		
	Receipts from Forfeiture of (EMO)/DR	8,03,256.00	8,94,713.00			VI	Expenditure on Fixed Assets & Capital Work- in Progress				
	Rent Received	3,26,301.00	1,59,468.00			a)	Payment for Purchase of Fixed Assets	87,91,73,543.06	72,67,58,515.89		
	Donation under ARPN	52,605.01	32,721.01			b)	Payment to contractors for Work in Progress	32,15,33,824.30	40,00,00,000.00		
	Income Tax Refund	-	4,350.00			VII	Refund of Surplus money/ Loans				
	GPI interest amount receivable	20,40,431.00	-			a.	EMO released	1,17,18,759.00	1,21,66,295.00		
	Receipt from Misc Committee	-	-			b.	Security Deposit released	11,04,257.00	19,80,885.00		
	Receipt from eRD, for TDS & GST	6,12,893.00	-								

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2024									
S.N.	RECEIPTS	Current Year		Previous Year		S.N.			
		2023-24	2022-23	2023-24	2022-23				
		₹	₹						
	Electricity Charges received from Telecommunication consultants India Limited	3,91,096.00	-			c. Withheld	3,66,01,786.00	-	
	Notice Period Recovery from Staff	36,86,391.00	40,78,780.00	VII	Other Payments				
	Receipt from Guest house	2,11,800.00	5,01,558.00			a) TDS/ VAT/ Labour Cost/ Work Contract Fee, etc.	42,25,03,364.00	35,86,41,551.00	
	License Fee deposited in cash	5,220.00	20,896.00		b) Financial Assistance for CME/ Workshop	-	-		
	Advance Salary	-	41,008.00		c) Nursing Association	2,43,350.00	1,58,800.00		
	Other Advance (DCA Uber)	5,000.00			d) Unclaimed EMD refund	-	-		
	Others	1,01,487.36	25,864.22	IX	Amount Paid to AIMS Mangalagiri & Naggur				
	Liquidity Damage	78,367.00	-				QIA release for AIMS Mangalagiri	-	-
	Receipt from Auditorium	80,800.00					QIA release for AIMS Naggur	-	-
	Postal Order/ RTI Fee receipts	1,638.00	1,528.00	X	Net TDS Receivable from SBI and State Health Resource Centre				
	Receipts from Hostel	1,58,250.00	66,900.00					1,25,943.00	98,700.00
				XI	Intramural Funds				
							28,000.00	34,853.00	
IX	PMJAY- Ayushman Bharat Claims Receipts	6,30,89,531.00	32,72,32,823.00						
	Incentive of Ayushman Bharat Digital Mission	61,13,796.00	-						
X	Extramural Fund	8,53,46,047.34	8,83,17,679.08	XII	Payment under Provision Made				
	Advance deposited by Patient	7,74,000.00	5,67,000.00						
	Income from Sale of Scrap	5,48,297.00	12,137.00						
	Interest Received from Income Tax Refund	-	-				Electricity Charges	-	1,28,23,170.00
	Prior Period Income	1.00	4,29,017.00						
				XIII	Bills Payable to other than Employee				
							4,82,76,644.00	3,84,54,967.00	
XV	Kayakalp Award Money Receipt	99,30,000.00	1,00,00,000.00	XIV	Advance to Contractor/ Supplier/ Consultant				
	Scholarship amount received	1,06,816.00	49,985.00					5,84,79,748.00	
XVI	Oriana 2022	-	7,00,000.00	XV	Interest Refunded to MHPW				
	Oriana 2023	4,00,000.00	-					5,37,74,676.00	4,32,50,873.00
				XVI	QIA Refunded to MHPW				
							Salary	11,00,00,000.00	16,50,00,136.00
					Capital	1,72,79,186.00	-		
				XVII	Scholarship amount paid				
							1,01,400.00	1,00,985.00	
				XVIII	Prior Period Item				
							-	710.36	
				XIX	Oriana 2022				
							-	6,00,000.00	
				XX	Oriana 2023				
							4,00,000.00	-	
				XXI	Closing Balances				
							a) Cash in Hand	3,86,233.00	2,20,021.00
							b) Bank Balances		
							i) In Current Accounts	84,44,33,295.20	93,98,54,876.83
					ii) In Saving Accounts	12,28,51,196.09	8,36,49,419.99		
	TOTAL	9,90,34,79,789.95	8,49,93,74,920.95		TOTAL	9,90,34,79,789.95	8,49,93,74,920.95		

VINOD G
FINANCIAL ADVISOR (OFFICIATING)

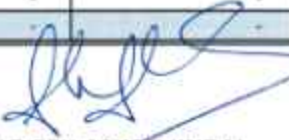
LT GEN ASHOK JINDAL
EXECUTIVE DIRECTOR & CEO

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024**

SCHEDULE [1] CORPUS/ CAPITAL FUND		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
Balance as at the beginning of the year	10,74,82,55,810.89	10,34,28,33,471.92
Add: Contribution towards corpus/ capital fund	1,13,40,00,000.00	85,00,00,000.00
Add/(Deduct): Balance of net income/ (expenditure) transferred from the Income and Expenditure Account	(47,47,52,832.03)	(43,12,67,670.25)
Add:- Prior Period Items (Expenditure is overbooked in Previous Year)	-	-
Add:- Income Tax Refund Received	-	4,350.00
Deduct:- TDS Deducted by parties of previous years	(99,700.00)	(89,117.00)
Deduct:- Excess Refund to MoHFW	(40,03,962.00)	-
Deduct:- GIA Refundable to MoHFW	-	(1,32,25,223.78)
BALANCE AT THE YEAR-END	11,40,33,99,316.86	10,74,82,55,810.89

SCHEDULE [2] RESERVE & SURPLUS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Capital Reserve:		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (a)	-	-
b) Revaluation Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (b)	-	-
c) Special Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (c)	-	-
d) General Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (d)	-	-
Total (a+b+c+d)	-	-



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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024**

SCHEDULE [3] EARMARKED/ ENDOWMEN FUNDS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a). Opening Balance of the funds	-	-
b). Addition to the funds:	-	-
i) Donation/grants	-	-
ii) Income from investment made on account of fund	-	-
iii) Other addition (specify nature)	-	-
TOTAL (a+b)	-	-
c). Utilisation/ Expenses towards objective of funds		
i) Capital Expenditure		
Fixed Assets	-	-
Others	-	-
Total	-	-
ii) Revenue Expenditure		
Salaries, Wages and allowances etc.	-	-
Rent	-	-
Other Administrative expenses	-	-
Total	-	-
Total c	-	-
NET BALANCE AS AT THE YEAR-END (a+b+c)	-	-


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024**

SCHEDULE [4] SECURED LOANS AND BORROWINGS:				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
a) Central Government		-		-
b) State Government (Specify)		-		-
c) Financial Institutions				
i) Term Loans	-		-	
ii) Interest accrued and due	-	-	-	-
d) Banks:				
i) Term Loans	-		-	
Interest accrued and due	-		-	
ii) Other Loans (Specify)	-		-	
Interest accrued and due	-	-	-	-
e) Other Institutions and AGENICES	-	-		-
f) Debenture and Bonds	-	-		-
g) Others (Specify)	-	-		-
Total		-		-

Note: Amounts due within one year



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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024**

SCHEDULE [5] UNSECURED LOANS AND BORROWINGS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Central Government	-	-
b) State Government (Specify)	-	-
c) Financial Institutions	-	-
d) Banks:	-	-
i) Term Loans	-	-
ii) Other Loans (Specify)	-	-
e) Other Institutions and Agencies	-	-
f) Debenture and Bonds	-	-
g) Others (Specify)	-	-
Total	-	-

Note: Amounts due within on year

SCHEDULE [6] DEFERRED CREDIT LIABILITIES		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Acceptances secured by hypothecation of capital equipment and other assets	-	-
b) Others	-	-
Total	-	-

Note: Amounts due within one year


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024**

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24		Previous Year 2022-23	
		₹		₹
A) CURRENT LIABILITIES				
i) Acceptances				
ii) Sundry Creditors				
a) For Goods				
b) Others				
Ahluwalia Contractor (I) Ltd.	1,03,477.00		1,03,477.00	
Amrit Pharmacy	39,78,537.00		-	
Astha Chemicals, Raipur	-		36,875.00	
M/s Bagree Enterprises	9,67,278.00		-	
Carl Zeiss India (Bangalore) Pvt. Ltd.	-		1,56,265.00	
DSS Imagetech P. Ltd., New Delhi	-		11,887.00	
India Medtronic P Ltd., Maharashtra	83,870.00		83,870.00	
Mediglobe Medical Systemes (P) Ltd.	5,50,049.00		5,50,049.00	
Orange Bioscience Products Pvt. Ltd.	47,544.00		47,544.00	
Rishi Impex, Raipur	7,326.00		7,326.00	
Senior Post Master Raipur	17,917.80		17,917.80	
Shree Narayan Medico Surgical	24,192.00		24,192.00	
Shree Sai Services, Raipur	15,750.00		15,750.00	
Starkey Laboratories India P Ltd., UP	15,680.00		15,680.00	
Vector Enterprises, Raipur	-		24,800.00	
Varad Corporation, Raipur	13,74,761.00		13,74,761.00	
		71,86,381.80		24,70,393.80
Employee related liabilities				
a) Security deposit Employee	3,90,452.00		3,46,252.00	
b) Bill Payable to Employees	2,10,619.00		1,23,242.00	
c) Advance received from Employees for Tax	-		25,000.00	
d) Other deduction	-	6,01,071.00	-	4,94,494.00
Bills Payable to other than Employees	85,628.00	85,628.00	58,172.00	58,172.00
iii) Secured Advance to Contractor / Suppliers	20,33,787.00	20,33,787.00	20,33,787.00	20,33,787.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
A) CURRENT LIABILITIES				
vi) Statutory Liabilities				
a) TDS on GST				
i) CGST	27,70,288.00		10,47,222.00	
ii) SGST	27,70,288.00		10,47,222.00	
iii) IGST	19,72,663.00		9,74,843.00	
b) TDS Payable on Other than Salary	19,21,703.00		10,84,901.00	
c) Work Contract Tax Payable	-		-	
d) Labour Cess Payable	4,55,838.00		95,494.00	
e) TDS Payable on Salary	2,21,38,940.00		78,84,750.00	
f) Value Added Tax Payable	-	3,20,29,720.00	-	1,21,34,432.00
v) Other current Liabilities				
a) Special / Extramural Fund Received	9,43,34,462.94	9,43,34,462.94	5,54,82,331.16	5,54,82,331.16
b) Security deposit Vendor	2,19,21,471.45	2,19,21,471.45	2,20,00,371.45	2,20,00,371.45
c) Earnest Money Deposit	1,93,86,092.80	1,93,86,092.80	1,44,95,903.80	1,44,95,903.80
d) Advance deposited for Patients	17,83,883.00	17,83,883.00	10,09,883.00	10,09,883.00
e) Withhelds				
1) Withheld for Service Tax				
Rahul Tour & Travels	92,149.00		92,149.00	
Kone Elevator India Pvt. Ltd.	7,076.00		7,076.00	
Bl. Kashyap and Sons Ltd.	21,25,860.00		21,25,860.00	
Cubes Media & Branding Pvt. Ltd.	17,218.00		17,218.00	
Service Master Clean Ltd.	48,915.00	22,91,218.00	48,915.00	22,91,218.00
2) Withheld other				
Aakriti Construction	-		3,73,056.00	
OSS Imagetech P Ltd.	8,74,409.00		8,74,409.00	
Ghanshyam Laundry	19,112.00		19,112.00	
EDCIL (India) Ltd.	9,25,625.00		9,25,625.00	
M.J. Solanki	2,35,000.00		1,50,000.00	
Bl. Kashyap and Sons Ltd.	18,50,640.00		13,00,640.00	
Gourav Enterprises	-		1,17,383.00	

SCHEDULE (7) CURRENT LIABILITIES AND PROVISIONS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
A) CURRENT LIABILITIES		
Globus Infocom Ltd.	4,16,174.00	4,16,174.00
R.S. Maintenance Services	2,000.00	2,000.00
Shree Sai Services	10,000.00	10,000.00
Punjilloyd Ltd.	1,00,000.00	1,00,000.00
Ahluwalia Contractor	24,602.00	24,602.00
Security & Intelligence Services	22,73,200.00	2,27,029.00
Fortune Impex	43,754.00	43,754.00
Service India, Bhopal	25,000.00	25,000.00
Ishan Construction	81,532.00	61,995.00
HSCC India Ltd.	23,61,290.00	67,13,384.00
Ashlar India	5,41,090.00	5,41,090.00
Manohar Lal Gawri	3,34,219.00	3,34,219.00
Sanjari Construction	3,76,333.00	3,76,333.00
Shai Transport	1,93,384.00	1,93,384.00
Voltas Ltd.	14,83,358.00	14,83,358.00
BVG India Ltd.	2,18,700.00	2,18,700.00
Mali Payment	81,268.00	81,268.00
Vraj Tours & Travels	84,000.00	84,000.00
Getinge Medical P Ltd., Mumbai	77,18,746.00	77,18,746.00
Aptech Ltd.	18,38,411.00	13,37,180.00
Varad Corporation	20,085.00	20,085.00
Midmark India P Ltd.	4,52,306.00	4,52,306.00
Siemens Healthcare P Ltd, Gurgaon	-	24,86,850.00
First Construction	56,134.00	56,134.00
AOS Diagnostic Ltd., New Delhi	8,19,744.00	8,19,744.00


SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
A) CURRENT LIABILITIES				
Safeguard & Manpower Services	1,01,150.00		1,01,150.00	
Fortune Buildcon, Raipur	10,000.00		10,000.00	
Shree Krishna Green Estate	1,33,464.00		1,33,464.00	
Ma Durga Enterprise	18,630.00		18,630.00	
Wadia Enterprises	437.00		437.00	
India Medtronic P Ltd.	1,01,270.00		1,01,270.00	
Hospimedical International Ltd.	4,00,000.00		4,00,000.00	
Sai Associates	4,24,433.00		4,24,433.00	
PRG Associates	-		16,322.00	
Kone Elevator India Ltd.	45,456.00		45,456.00	
Intelligence Security of India Ltd.	15,49,167.00		15,49,167.00	
Turnitin Education Pvt. Ltd.	14,000.00		14,000.00	
Johnson Lifts India Pvt Ltd	47,613.00		-	
Shristi Enterprises	7,55,054.00		-	
Skanray Technologies P Ltd	4,26,424.00		-	
Print Vision, Nagpur	4,41,419.00		-	
Xcellance Medical Tech. P Ltd	26,589.00		-	
Vindhya Const.	5,77,380.00		-	
A P Scanner	21,563.00		-	
Delta Const.	1,50,665.00		-	
Bisen Construction P Ltd	1,04,745.00		-	
		2,88,09,575.00	-	3,04,01,889.00
3) Withheld for Completion Certificate				
Globus Infocom Ltd.	38,661.00		38,661.00	
Manohar Lal Gwari	50,000.00		50,000.00	
Punjfloyd Ltd.	5,00,000.00		5,00,000.00	
Learn Nature Construction	50,000.00	6,38,661.00	50,000.00	6,38,661.00
4) Withheld for EOT				
Anil Mathani	1,50,000.00		1,50,000.00	
Print Vision, Nagpur	25,569.00		25,569.00	
Mahip Construction	45,265.00	2,20,834.00	45,265.00	2,20,834.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24 ₹		Previous Year 2022-23 ₹	
A) CURRENT LIABILITIES				
5) Withheld for Rectification				
Punjloyd Ltd.	41,762.00		41,762.00	
Steel Case	20,000.00	61,762.00	20,000.00	61,762.00
6) Withheld as per Clause 36 i				
Bl. Kashyap and Sons Ltd.	5,44,76,964.00		20,25,000.00	
Punjloyd Ltd.	7,50,000.00		7,50,000.00	
Ahluwalia Contracts (I) Ltd.	1,50,000.00		1,50,000.00	
Pushkar Gokulka	60,000.00	5,54,36,964.00	60,000.00	29,85,000.00
7) Withheld for EPF				
C-Net Infotech Pvt. Ltd.	3,40,450.00		3,40,450.00	
Vindhya Construction	1,12,726.00		-	
D G Nakrani	30,000.00		-	
M.J. Solanki	1,00,000.00		1,00,000.00	
Intelligence Security of India Ltd.	6,084.00	5,89,260.00	6,084.00	4,46,534.00
8) Withheld for GST				
Ahluwalia Contracts (I) Ltd.	1,50,764.00		1,50,764.00	
V-Raj Tour & Travels	67,208.00		67,208.00	
RS Maintenance Service	34,643.00		34,643.00	
Kasliwal Brothers	5,094.00		5,094.00	
Shree Sai Services	2,38,740.00	4,96,449.00	2,38,740.00	4,96,449.00
9) Withheld for HRA and ESI				
Security & Intelligence Services	66,78,267.00		66,78,267.00	
C-Net Infotech Pvt. Ltd.	1,39,306.00		1,39,306.00	
Service India, Bhopal	3,78,778.00	71,96,351.00	3,78,778.00	71,96,351.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
A) CURRENT LIABILITIES				
10) Withheld for Vehicle				
Ahluwalia Contracts (I) Ltd.	3,50,000.00	3,50,000.00	3,50,000.00	3,50,000.00
11) Withheld for Waterproofing				
PRG Associates	19,256.00	19,256.00	19,256.00	19,256.00
12) Withheld for IGST				
M J Solanki	16,28,935.00			
Schiller Healthcare India P Ltd	3,16,200.00	19,45,135.00	3,16,200.00	3,16,200.00
13) Withheld till Warranty Period				
Shree Krishna Green Estate	2,78,784.00		2,78,784.00	
Nischal Construction	-		32,587.00	
Bharat Medical System	1,120.00	2,79,904.00	1,120.00	3,12,491.00
14) Withheld Uniform Washing Allowance				
Security & Intelligence Services	2,69,362.00	2,69,362.00	2,69,362.00	2,69,362.00
15) Withheld for Storage Insurance				
Methodex System Pvt. Ltd.	18,673.00	18,673.00	18,673.00	18,673.00
16) Withheld for Warranty Amount				
Shree Krishna Green Estate	1,33,143.00	1,33,143.00	1,33,143.00	1,33,143.00
17) Withheld for Finalization of LD				
Learn Nature Construction	2,63,218.00	2,63,218.00	2,63,218.00	2,63,218.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2023-24 ₹		Previous Year 2022-23 ₹	
A) CURRENT LIABILITIES				
18) Withhold Amount due to Non-Achievement of Milestone from Contractor	24,22,692.00	24,22,692.00	24,22,692.00	24,22,692.00
19) Withheld for maintenance of Street light	55,856.00	55,856.00	55,856.00	55,856.00
f) CG Government	308.00	308.00	306.00	306.00
vi) Refundable to Oriana Fund	-	-	-	-
vii) GIA Refundable to MoHFW				
General	-	-	-	-
Capital	-	-	1,32,25,223.78	-
Salary	-	-	-	1,32,25,223.78
viii) Interest Refundable to MoHFW				
Interest earned on BOI Current Plus A.C. (965420110000157) Operation	-	-	3,37,74,676.00	3,37,74,676.00
ix) Student related liability	3,150.00	3,150.00	-	-
x) Nursing Association	8,350.00	8,350.00	8,350.00	8,350.00
TOTAL (A)		28,08,72,618.99		20,60,87,912.99
B) PROVISIONS				
i) External Remittance	3,70,914.00	3,70,914.00	3,70,974.00	3,70,974.00
ii) NPS Payable	37,25,826.00	37,25,826.00	40,26,924.00	40,26,924.00
iii) Salary Payable	10,52,678.00	10,52,678.00	10,80,195.00	10,80,195.00
iv) General Provident Fund	2,84,31,952.00	2,84,31,952.00	2,57,19,021.00	2,57,19,021.00
v) Gratuity	10,00,000.00	10,00,000.00	-	-
vi) Interest on Pension Fund account	54,47,805.00	54,47,805.00	43,63,051.00	43,63,051.00
TOTAL (B)		4,00,29,175.00		3,55,60,165.00
GRAND TOTAL (A+B)		32,09,01,793.99		24,16,48,077.99


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2024

S.N.	PARTICULARS	BLOCK			SEPARATIONS BLOCK			NET BLOCK			
		Cost valuation As at Beginning of the Year	Additions during the year	Deduction during the year	Cost/ Valuation at the Year End	As at the Beginning of the Year	Additions during the year	Deduction During the year	Total up to the Year End	As at the Current Year End	As at the previous Year End
1	LAND	300.00	-	-	300.00	-	-	-	-	300.00	300.00
2	BUILDING	5,42,32,59,594.00	73,84,31,990.00	-	5,66,16,91,584.00	39,29,51,806.00	-	2,02,06,02,692.00	3,64,10,88,892.00	3,79,56,08,708.00	
3	FURNITURE & FORTURES	30,36,53,443.00	51,76,541.00	-	30,87,83,984.00	2,07,96,936.00	-	12,11,13,589.00	18,74,70,415.00	20,31,36,810.00	
4	OFFICE EQUIPMENT	4,18,95,976.00	41,39,007.00	-	4,60,34,983.00	1,42,05,193.00	-	3,88,41,159.00	2,73,39,884.00	2,77,80,783.00	
5	COMPUTER	8,98,77,090.00	19,64,653.00	-	9,18,41,743.00	8,12,68,439.00	-	7,33,41,445.00	3,85,78,298.00	2,87,07,851.00	
6	ELECTRIC INSTALLATIONS	55,63,72,607.00	43,58,903.00	-	56,07,31,510.00	16,70,71,168.00	-	30,64,56,822.00	95,42,74,688.00	38,93,01,429.00	
7	PLANTS & MACHINERY	3,17,15,56,438.77	61,81,31,706.50	-	3,78,96,88,145.27	1,44,97,80,792.00	-	1,77,63,79,719.00	2,01,33,08,428.27	1,72,17,75,646.77	
8	BOOKS	3,58,83,005.00	87,91,864.00	-	4,46,74,869.00	3,10,69,462.00	-	3,65,49,680.00	82,27,289.00	48,14,143.00	
9	MOTOR VEHICLE	25,90,376.00	-	-	25,90,376.00	15,88,076.00	-	16,99,300.00	8,94,087.00	10,32,302.00	
	TOTAL PURSES	8,82,53,81,428.77	88,09,64,724.50	-	10,90,63,66,153.27	3,40,31,09,547.00	-	4,25,33,81,605.00	6,25,31,83,185.27	6,17,27,29,280.77	

S.N.	PARTICULARS	BLOCK			SEPARATIONS BLOCK			NET BLOCK			
		Cost valuation As at Beginning of the Year	Additions during the year	Deduction during the year	Cost/ Valuation at the Year End	As at the Beginning of the Year	Additions during the year	Deduction During the year	Total up to the Year End	As at the Current Year End	As at the previous Year End
1	CAPITAL WORK IN PROGRESS DURING THE YEAR 2023-24	2,18,06,74,702.31	41,99,62,900.30	-	2,60,06,376.00	-	-	-	-	2,60,06,376.00	2,18,06,74,702.31
2	WIP Academic/ Admin Block	1,66,96,82,400.00	30,00,00,000.00	-	1,96,96,82,400.00	-	-	-	-	1,96,96,82,400.00	1,66,96,82,400.00
3	WIP Residential Phase-II	42,03,668.00	15,53,824.82	-	57,57,492.82	-	-	-	-	57,57,492.82	42,03,668.00
4	WIP 100 bedded critical care unit	34,80,83,256.31	19,59,215.00	-	35,80,27,471.31	-	-	-	-	35,80,27,471.31	34,80,83,256.31
5	WIP (Central Pharmacy separation)	-	8,87,00,000.00	-	8,87,00,000.00	-	-	-	-	8,87,00,000.00	-
6	WIP Boundary Wall	-	39,65,628.00	-	39,65,628.00	-	-	-	-	39,65,628.00	-
7	WIP Cricket Ground	-	1,21,32,322.00	-	1,21,32,322.00	-	-	-	-	1,21,32,322.00	-
8	WIP Electrical Upgradation Work	-	17,58,020.00	-	17,58,020.00	-	-	-	-	17,58,020.00	-
9	WIP Nurses Stations	-	58,74,215.00	-	58,74,215.00	-	-	-	-	58,74,215.00	-
10	WIP (Rural Health Training Compound Wall)	-	54,23,895.00	-	54,23,895.00	-	-	-	-	54,23,895.00	-
11	WIP Underground SUMP	-	1,11,75,060.00	-	1,11,75,060.00	-	-	-	-	1,11,75,060.00	-
12	WIP Wall Corner Angle	-	33,79,835.00	-	33,79,835.00	-	-	-	-	33,79,835.00	-

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W/P 033508(CDP240001)	-	28,252.74	-	-	-	-	-	-	28,252.74	-
W/P 033508(CDP240002)	-	26,092.16	-	-	-	-	-	-	26,092.16	-
W/P Internal OPD	24,15,728.00	-	24,15,728.00	-	-	-	-	-	-	24,15,728.00
W/P Internal Transplant Ward	55,64,615.00	24,03,136.00	-	78,67,951.00	-	-	-	-	-	55,64,615.00
W/P Autoclave System	23,59,097.00	-	-	-	-	-	-	23,59,097.00	-	23,59,097.00
W/P Vinyl Sports Flooring	3,39,932.00	71,629.00	-	4,11,561.00	-	-	-	-	-	3,39,932.00
W/P Approval Loan	15,74,26,051.00	-	-	-	-	-	-	-	15,74,26,051.00	15,74,26,051.00
TOTAL										8,86,39,11,981.48


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SCHEDULE [9] INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Others (to be specified)	-	-
Total	-	-

SCHEDULE [10] INVESTMENT OTHERS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Others (to be specified)	-	-
Total	-	-


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SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
CURRENT ASSETS				
a) Inventories				
1 Stores and Spares	-		-	
2 Loose Tools	-		-	
3 Stock in trade	-		-	
Finished Goods	-		-	
Work in progress	-		-	
Raw Materials	-	-	-	-
b) Sundry Debtors:				
1 Debts Outstanding for a period exceeding six months				
i) Telecommunication Consultants India Limited	2,63,835.00		-	-
ii) Shahban Hussain	2,24,791.00	4,88,626.00	2,24,791.00	2,24,791.00
2 Others				
i) Rent Receivable				
a) Seema Agency	35,780.00		35,780.00	
b) Amul Parlour	3,61,340.00		1,75,052.00	
c) Nescafe	13,289.00		53,156.00	
ii) VRDL	2,799.80	4,13,208.80	3,26,896.80	5,90,884.80
3 Statutory Dues Receivable				
i) TDS Receivable from State Bank of India	1,25,943.00	1,25,943.00	99,700.00	99,700.00
c) Cash balances in hand (including cheques and imprest)	2,98,223.00	2,98,223.00	2,20,023.00	2,20,023.00
d) Bank Balances:				
1 With Scheduled Banks				
On Current Accounts				
a) Bank of India Current Plus A/c No. 935420110000157	48,81,04,713.56		53,87,26,864.03	
b) Bank of India Current Plus A/c No. 936320110000024	9,45,15,348.14		3,62,03,377.35	
c) State Bank of India (ARPAN) A/c No. 36721449858	2,01,70,822.66		1,90,58,209.61	
d) PMJAY-Ayushman Bharat (A/c No.: 936320110000307)	54,88,077.19		3,94,80,971.19	
e) State Bank of India (Pension & PF Fund) 39381410389	2,61,79,333.65		2,63,85,454.65	
f) State Bank of India (ROGI Kalyan Samiti) 42210166476	99,75,000.00			
g) Bank of India (ICMR PICOS) 936310210000010	33,83,602.23			
h) Reserve Bank of India (10597701063)	-	64,78,16,897.43	-	65,98,54,876.83

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
On deposit Accounts(including margin money)				
On Saving Account				
a) Bank of India (Research Grant) A/c No. 936310110005302	7,45,47,246.23		4,02,05,441.99	
f) HDFC Bank (50100469127051)	4,50,30,349.63	11,95,77,595.86	4,54,43,978.00	8,56,49,419.99
2 With Non-Scheduled Banks				
On Current Accounts	-		-	
On deposit Accounts(including margin money)	-		-	
On Saving Account	-		-	
e) Fixed Deposit with Schedule Bank				
BOI 936356110001523	-		1,62,41,93,548.00	
BOI 935245110007199	25,38,84,005.00			
BOI 935245110007200	25,38,84,005.00			
BOI 935245110007201	1,52,33,04,032.00			
BOI 936356110001524	-	2,03,10,72,042.00	20,30,24,194.00	1,82,72,17,742.00
f) Advances & Security Deposits				
1) Advances to Contractors/ Vendors				
HSCC (I) Ltd.	4,01,628.00		4,01,628.00	
CPWD Furniture (Academic & Admin Block)	2,00,00,000.00			
BPL Medical Technologies, Delhi	2,402.00		2,402.00	
Elite Trading Co., Delhi	6,042.00		6,042.00	
Amrit Pharmacy	-		1,25,54,758.00	
Intec India Ltd., Delhi	7,781.00		7,781.00	
Linde India Ltd, Orissa	-		24,313.00	
Security and Intelligence Services	-		-	
Shri B Gopa Kumar	8,040.00		8,040.00	
Mukesh & Associates	1,31,100.00		1,31,100.00	
Sage Publication	45,847.83		45,847.83	
Total Library Solution	2,22,881.30		2,22,881.30	
Bl. Kashyap and Sons Ltd. (Interim Advance)	48,72,959.00		48,72,959.00	
Jenflora Biotech, Gujrat	157.00		-	
Punjloyd Ltd. (Interim Advance)	1,19,68,602.00		1,19,68,602.00	
National Informatics Centre Services Inc.	12,22,437.00		5,74,563.00	
Ultra Tech Laboratories Pvt. Ltd.	7,500.00		7,500.00	
Winglobe Healthcare P. Ltd. Bangalore	31,800.00		31,800.00	
Redimage Healthcare India Pvt. Ltd.	4,748.00		4,748.00	
Registrar IIT Madras	18,77,616.00	4,08,11,541.13	18,77,616.00	3,27,42,581.13
2) Other Advances				
Contingent Advances	16,076.75		1,04,507.75	
Contingent Advance (Extramural Fund)	21,38,381.69		20,69,266.69	
Imprest Money	1,42,337.00		87,337.00	
CA Jain M Prasad	2,800.00			
R R Traders	1,227.00			

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2023-24		Previous Year 2022-23	
	₹		₹	
Omshanti Traders	58,716.00			
LTC Advances	7,64,052.00		1,76,378.00	
Other Advances to Employee for Internal Purchase	-		52,500.00	
TA on Official Visit	4,14,347.00		11,51,303.00	
Financial Assistance for CME/ Workshop	3,00,000.00		-	
Contingent Advance (Convocation)	-		61,50,000.00	
Contingent Advance (Intramural)	6,50,612.00	44,88,549.44	7,50,500.00	1,05,41,792.44
3) Security Deposits				
i) Security deposit with BSNL	14,845.00		14,845.00	
ii) Security deposit with CSPDCL	95,20,937.71	95,35,782.71	95,20,937.71	95,35,782.71
4) Intramural Fund Balance	5,40,457.00	5,40,457.00	4,77,040.90	4,77,040.90
g) Bills receivable from Employees	3,18,263.00	3,18,263.00	4,94,724.00	4,94,724.00
TOTAL		2,85,54,87,129.37		2,62,76,49,358.80

Note: Amounts due within one year


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SCHEDULE [12] INCOME FROM SALES/ SERVICES		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Income from Sales		
i) Sale of Finished Goods	-	-
ii) Sale of Raw Material	-	-
iii) Sale of Scrape	-	-
b) Income from Services		
i) Receipts From Medical College		
a) Admission Fees	17,34,579.00	17,81,986.00
b) Entrance Fees	1,43,63,703.36	13,79,940.05
c) Examination Fees	66,480.00	55,400.00
d) Student Transcript Fee	1,41,141.00	15,500.00
e) Receipts from Library	13,205.00	28,763.00
f) Other Receipts	42,530.00	47,309.41
ii) Receipts From Hospital	17,81,22,136.00	15,61,19,780.00
Total	19,44,83,774.36	15,94,28,678.46


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SCHEDULE [13] GRANTS/ SUBSIDIES		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
(Irrevocable grants & Subsidies Received)		
a) Central Government (Ministry of Health & Family Welfare))		
i) Grants-in-Aid (Salary)	3,88,00,00,000.00	3,27,00,00,000.00
ii) GIA- Salary (ECRP-II)	-	-
iii) Grants-in-Aid (General)	1,77,00,00,000.00	1,37,00,00,000.00
iv) GIA- General (ECRP-II)	-	-
v) Grants-in-Aid (Creation of Capital Assets)	1,13,40,00,000.00	85,00,00,000.00
vi) Grants-in-Aid (Swachhata Action Plan) (General)	2,00,00,000.00	2,50,00,000.00
vii) GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	-	-
b) State Government	-	-
c) Government Agencies	-	-
d) Institutions/ Welfare Bodies	-	-
e) International Organisations	-	-
f) Others (specify)	-	-
Total	6,80,40,00,000.00	5,51,50,00,000.00



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SCHEDULE [14] FEES/ SUBSCRIPTIONS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Entrance Fees	-	-
b) Annual Fees/ Subscriptions	-	-
c) Seminar/ Program Fees	-	-
d) Consultancy fees	-	-
e) Others (Specify)	-	-
Total	-	-

SCHEDULE [15] INCOME FROM INVESTMENT		
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds, Rent etc.)	2023-24 ₹	2022-23 ₹
a) Interest		
i) On Govt. Securities (Bank Interest)	-	-
ii) Other Bond/ Debentures	-	-
b) Dividends:		
i) On Shares	-	-
ii) On Mutual Fund Securities	-	-
c) Rents	-	-
d) Others	-	-
Total	-	-

SCHEDULE [16] INCOME FROM ROYALTY, PUBLICATION ETC.		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Income From Royalty	-	-
b) Income from Publications	-	-
c) Others (Specify)	-	-
Total	-	-


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SCHEDULE [17] INTEREST EARNED		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) On FFD deposits :		
i) With Scheduled Banks	2,11,24,085.00	3,08,47,370.63
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Fixed Deposits :		
i) With Scheduled Banks	14,30,97,251.00	2,72,17,742.00
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
c) On Saving Accounts:		
i) With Scheduled Banks	26,30,387.39	39,59,824.66
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
d) On Loans		
i) Employees/ Staff	-	-
ii) Others	-	-
e) Interest from CSEB	23,07,306.00	17,04,031.00
f) Interest received from Income Tax Refund	-	-
Total	16,91,59,029.39	6,37,28,968.29


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SCHEDULE (18) OTHER INCOME		
	Current Year 2023-24	Previous Year 2022-23
	₹	₹
a) Profit on Sale/ disposal of Assets		
i) Sale of Scrap	5,48,297.00	12,237.00
b) Licence Fees	12,45,841.00	25,46,587.00
c) Tender Fees	-	-
d) Miscellaneous Income		
i) Liquidated Damage	64,72,533.12	32,17,096.70
ii) Notice Period Recovery from Staff	36,86,391.00	40,78,780.00
iii) Forfeiture of SD/EMD/FDR	9,03,216.00	8,94,733.00
iv) Received from Guest House	2,31,010.00	5,01,558.00
v) Other Receipts	16,62,486.73	2,43,728.22
vi) Received from Gym	15,250.00	16,900.00
vii) General Damage	1,54,830.88	1,16,215.30
viii) Penalty Receipts	75,04,055.00	77,65,907.00
ix) Receipt from Labour Charges Collection	38,146.00	9,438.00
x) Receipt from Postal Order deposits/RTI Fee	1,638.00	1,528.00
xi) Receipt from Insurance Charges	16,366.00	
xii) Receipt from Hostel	1,58,250.00	66,900.00
xiii) Rent Receipt from Auditorium	80,000.00	-
xiv) Receipt from Telecommunication Consultants India Ltd	6,04,631.00	
e) Rent Received	6,72,522.00	3,98,912.00
f) Receipt in ARPAN Fund	80,404.01	1,13,421.02
g) Employee Health Scheme	1,00,17,500.00	88,28,950.00
h) Kayakalp Award Money Receipt	39,50,000.00	1,00,00,000.00
i) PMJAY-Ayushman Bharat Claim Receipts	6,30,89,531.00	32,72,92,823.00
Incentive of Ayushman Bharat Digital Mission	61,13,796.00	
j) Unclaimed Creditors more than 3 years old	36,687.00	7,08,567.00
k) Unclaimed Earnest Money Deposits more than 3 years old	16,12,693.00	44,95,126.00
l) Unclaimed Security Deposits by Vendor's more than 3 years old	34,12,051.00	19,20,455.00
m) Unclaimed Security Deposits by Employees more than 3 years old	(5,000.00)	85,000.00
n) Institute Overhead Charges (Extramural Fund)	18,066.00	10,67,746.00
Total	11,23,21,191.74	37,43,82,608.24


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SCHEDULE [19] INCREASE/ (DECREASE) IN STOCK IN FINISHED GOODS		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Closing Stock	-	-
Finished Goods	-	-
Work-in-progress	-	-
b) Less: Opening Stock	-	-
Finished Goods	-	-
Work-in-progress	-	-
NET INCREASE/ (DECREASE) (a-b)	-	-



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SCHEDULE [20] ESTABLISHMENT EXPENSES		
Particulars	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
Salaries, wages	1,82,59,69,969.00	1,54,81,91,171.00
Allowances	1,56,07,20,892.00	1,25,79,78,940.00
Contribution to New Pension Scheme	25,34,53,729.00	20,42,96,442.00
Leave Salary and Pension Contribution for deputed Officer/Faculty	76,93,289.00	66,84,682.00
Interest on GPF Contributed by AIIMS	14,45,686.00	20,40,431.00
Interest on Death cum Retirement Gratuity and Pension	10,23,592.00	
Staff welfare expenses	1,44,93,736.00	1,30,20,323.00
Others (Leave Travel Concession)	1,78,66,199.00	2,77,29,931.00
Gratuity	35,84,810.00	-
Total	3,68,62,51,902.00	3,05,99,41,920.00



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SCHEDULE [21] OTHER ADMINISTRATIVE EXPENSES ETC.		
Particular	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
Electricity and Power	18,16,84,215.00	15,76,33,225.00
Repair and Maintenance	9,45,80,405.00	5,38,23,850.00
Advertisement	26,08,127.00	34,77,673.00
Telephone	52,75,146.00	30,63,531.00
Postal charges	1,39,230.00	1,87,876.00
Printing and Stationary	1,21,56,458.00	1,44,74,942.00
Training & Development Expenses	6,05,897.00	9,18,919.00
Entertainment expenses	1,21,920.00	1,56,999.00
Meeting Expenses	44,46,418.60	38,23,071.00
Outsourcing expenses	52,43,51,331.00	50,01,74,236.00
Learning Resourse Allowances	2,75,44,443.00	87,500.00
Medicine & Consumables	68,83,35,837.00	59,19,38,789.06
Travelling	2,41,51,267.00	1,60,28,954.00
Conference/Seminar Expenses & Registration Expenses	6,92,101.00	21,62,609.00
Software Maintenance Expenses	69,20,680.00	24,49,872.00
Electrical Maintenance Expenses	4,10,49,422.00	1,88,45,111.00
Diet for Patient	3,07,81,202.00	3,36,18,053.00
Books, News Paper, Magazines	38,61,760.00	39,18,823.00
E-Journal Subscription	2,01,99,476.12	2,01,14,805.47
Office Expenses	13,18,190.22	4,57,708.00
Garbage Disposal Expenses	2,70,907.00	11,52,000.00
Rent & Hire Charges	1,00,21,094.00	72,86,334.00
Fuel Charges	17,82,730.00	2,75,502.00
Professional Legal & Statutory Charges	41,52,160.00	52,33,813.00
Audit Expenses	-	1,45,715.00
Bank Charges	11,804.38	3,14,891.08
Insurance	71,011.00	79,882.00
Computer Repair & Maintanance	1,13,724.00	3,68,323.00
Examination Expenses for various recruitment	1,00,27,943.00	2,15,201.00
Expenses Under Oriana	13,69,870.00	2,00,000.00
Municipal Taxes	42,17,501.00	40,69,010.00
Admission fees (Transfer/Refund)	73,148.00	70,272.00
Prize Distribution Expenses	6,97,945.50	7,32,887.00
Stipend Paid to Students	4,22,50,628.00	3,45,63,845.00
General Consumable for Office Management	1,25,49,703.00	1,89,85,927.05
Expenses under Rogi Kalyan Samiti	25,000.00	-
Book Allowance	96,183.00	1,76,076.00
Bag Allowance	7,77,745.00	8,79,188.00
Emolument Paid Under Intramural Fund	14,21,443.00	21,98,501.00
Lease Rent Expenses	2.00	2.00
Convocation Expenses	44,83,100.14	57,838.00
Interest on Taxes and Duties	-	1,132.00
Thesis Expenses	-	3,41,140.00
Sports Activity Expenses	-	2,76,686.00
Total	1,76,52,37,167.96	1,50,89,80,711.66


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SCHEDULE [22] EXPENDITURE ON GRANTS, SUBSIDIES ETC.		
Particular	Current Year 2023-24 ₹	Previous Year 2022-23 ₹
a) Grants given to Institution/ Organisations	-	-
b) Subsidies given to Institutions/ Organisations	-	-
c) Expenses Under Kayakalp Award Money Receipt	24,69,292.00	23,616.00
Total	24,69,292.00	23,616.00

SCHEDULE [23] INTEREST		
Particular	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
a) On Fixed Loans	-	-
b) On Other Loans (Including Bank Charges)	-	-
c) Others (Specify)	-	-
Total	-	-



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UTILIZATION CERTIFICATE FOR THE PERIOD 01.04.2023 TO 31.03.2024

UTILIZATION DETAILS		Current Year 2023-24 ₹
Particular		
Opening Balance of Grants		
GIA- Salary	26,29,61,413.00	
GIA- General	-	
GIA- Creation of Capital Assets	1,32,25,223.78	
GIA- Creation of Capital Assets (Non Recurring)	440.00	
GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	26,61,00,000.00	
GIA- General (Swatchhata Action Plan)	35,77,756.06	54,58,64,832.84
(+) Grant Received During The Year		
GIA- Salary	3,88,00,00,000.00	
GIA- General	1,77,00,00,000.00	
GIA- Creation of Capital Assets	1,13,40,00,000.00	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	-	
GIA- General (Swatchhata Action Plan)	2,00,00,000.00	6,80,40,00,000.00
(-) Utilization During the Year		
GIA- Salary	3,67,25,82,616.00	
GIA- General	1,77,00,00,000.00	
GIA- Creation of Capital Assets	1,13,40,00,000.00	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	8,87,00,000.00	
GIA- General (Swatchhata Action Plan)	2,35,77,756.06	6,68,88,60,372.06
(-) Refunded/Adjusted During the Year		
GIA- Salary	11,00,00,000.00	
GIA- General	-	
GIA- Creation of Capital Assets	1,32,25,223.78	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	-	
GIA- General (Swatchhata Action Plan)	-	12,32,25,223.78
Unspent Balance on Grants		
GIA- Salary	36,03,78,797.00	
GIA- General	-	
GIA- Creation of Capital Assets	-	
GIA- Creation of Capital Assets (Non Recurring)	440.00	
GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	17,74,00,000.00	
GIA- General (Swatchhata Action Plan)		53,77,79,237.00

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SCHEDULE- 24

SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS AS ON 31.03.2024**A. ACCOUNTING CONVENTION**

- The financial statement is prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting.
- From the First Annual Account, the Institute has followed the Accounting Policy wherein, bills/payments approved by the competent authority on or before 31st March of the Financial Years but were not settled before the closure of the financial year are treated as Current Liabilities and necessary provisions are made for the same. For rest of the bills, payments are made as and when the approval is received and is accounted for in that particular financial year.

B. INVESTMENTS

- No investment made during the year ended on 31st March 2024.

C. FIXED ASSETS

- Fixed Assets are stated at the cost of acquisition inclusive of inward freight, duties and taxes, incidental and direct expenses related to acquisition. In respect to projects involving construction, related preoperational expenses form part of the value of the assets capitalized.

D. DEPRECIATION

- Depreciation is provided on written down value of assets. Rate of depreciation has been taken from rates specified in Income Tax Act 1961.
- Assets which are purchased or created in financial year 2023-24 but no put to use dates are provided, management has taken date of purchase as date of acquisition/date of put to use and depreciation has been charged accordingly.
- Amount of WIP Dental OPD lying in Fixed Asset Schedule was of ₹24,15,725.00. Date of put to use of WIP Dental OPD was 06.12.2022 however we didn't received any date of put to use during FY 2022-23. But in current FY i.e. 2023-24 we received the same and therefore charged ₹3,50,280.00 for two financial years.

E. REVENUE RECOGNITION

- Revenue from sales and service as reflecting in Income & Expenditure Accounts includes fees collected from students, collections from hospital (OPD, IPD, DIAGNOSTIC TEST, etc.) on cash basis. Only income from bank deposits has been considered on accrual basis.

F. MISCELLANEOUS EXPENDITURE

- No Miscellaneous expenditure concept apply in AIIMS, Raipur.

G. GOVERNMENT GRANTS AND SUBSIDIES

- Government Grants received from Ministry of Health and Family welfare, Government of India for creation of Capital Asset has directly been transferred to Corpus and Capital Fund, under Capital Account in Balance Sheet.
- Government Grants received from Ministry of Health and Family welfare, Government of India for Salary and General has directly been transferred to Income and expenditure account, under Grants and Subsidies head.

H. FOREIGN CURRENCY TRANSACTIONS

- Transaction denominated in foreign currency are accounted at the exchange rate prevailing at the date of the transaction.

I. RETIREMENT BENEFITS

- AIIMS Raipur is a fully funded Central Autonomous Body and Institute of National Importance, under the Ministry of Health & Family Welfare, Government of India. The Ministry has decided by order vide dated 18th June 2024, that Statutory provision for Payment of Gratuity is extended to pro rata pensioners and new entrants who joined AIIMS on or after 01.01.2004.
- Some employees have joined AIIMS, Raipur on technical resignation and are covered under Old Pension Scheme. Accordingly, their GPF Subscription has been deducted. The Institute has opened an interest bearing Pension & Fund Account in State Bank of India, Raipur for those faculties whose Prorata Pensionary benefits have been received from their previous employers. Their GPF Subscription and Prorata Pensionary benefits of ₹2,84,31,952.00 is to be transferred in above bank account as shown in Schedule-7.
- As per the decision taken in the Standing Finance Committee and ratified by the Governing Body of the Institute, difference of Interest (actual interest applicable to GPF subscription minus the interest accrued due to investment in Fixed Deposit in Bank) in GPF is to be bear by the Institute. The Difference amount of ₹20,40,431.00 pertaining to the period 2019-20 to 2022-23 was deposited in SBI Pension & PF fund Account on 02.06.2023.

For FY 2023-24 the difference amount of ₹14,45,686.00 has to be transferred.



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SCHEDULE- 25**CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS****A. CONTINGENT LIABILITIES**

- Nil

B. COMMITTED LIABILITIES

- Amount of Lien as on 31.03.2024 as per Bank information is ₹9,21,03,037.00.

C. CURRENT ASSETS, LOANS & ADVANCES, CURRENT LIABILITY

- In opinion of management, current assets, loans & advances and Current Liability have a value on realization in the ordinary course of business, equal at least to the aggregate amount shown in the Balance Sheet.

D. TAXATION

- In view of management there being no taxable income under Income Tax Act 1961, therefore no provision for Income Tax has been made in books of accounts.

E. FOREIGN CURRENCY TRANSACTION

	Value of Imports Calculated	2023-24	2022-23
i.	Capital Goods	₹ 7,00,75,096.84	₹ 1,43,12,017.44
ii.	Stores, Spares and Consumables/Software renewal	₹ 1,41,24,176.12	₹ 2,01,00,553.02

F. Bank Guarantee/ FDR Detail

PSD in the form of Bank Guarantee and FDR kept in AIIMS, Raipur as on dated 31.03.2024 is as below:-

S.N.	Department	Amount in ₹
1	Project Cell for Packages/DPR Works	15,75,00,000.00
2	Stores Central	24,00,11,026.33
3	Stores Hospital	2,20,11,971.00
4	Security Department	72,50,000.00
5	Assistant Controller of Examinations	25,00,000.00
6	IT Cell	3,24,305.00

G. Other Notes

1. Corresponding figures for the previous year has been re-grouped and re-arranged wherever found necessary.
2. Schedule 1-25 as annexed, form an integral part of the Balance Sheet as on 31.03.2024 and Income and Expenditure for the year ended on the date.

3. Amount transferred from WIP to Fixed Assets are as under :-

S. No.	Fixed Assets Head	Amount in ₹
1	Building	₹1,23,06,817.00
2	Furniture & Fixtures	-
Total		₹1,23,06,817.00

4. The Institute has disbursed the 12 Months' salary to the employees during the financial year. For Accounting purposes and Income Tax, the two salary i.e. Salary for the month of March, 2024 and April, 2024 was released in the month of April, 2024, as being done in Government Organization.
5. During the Financial Year the Institute has refund the Interest earned on GIA upto 31.03.2023 amounting to ₹3,37,74,676.00 into the Consolidated Fund of India.
6. On the directions of Department of Expenditure and PMSSY, MoH&FW, the Institute has implemented the Treasury Single Account (TSA) since, November 2022. Under this system the Pay and Accounts Officer (PAO), MoH&FW issues the Assignment Limit to RBI, instead of releasing the GIA to Autonomous Body (AB), with the instruction to honour the payment instructions issued by the concerned AB upto the "Assigned Limit" in the advice. Further to facilitate payment of salary for the month of March from the assignment account of the current financial year, the AB will draw the cash/transfer the funds and keep the amount in a commercial bank for the purpose of releasing the salary for the month March to the employees in the month of April. The balances of fund remaining unutilised at the close of the year will lapse to the Government and will be written back in Government Account. Hence no provision has been made for Children Education Allowance, Learning Resource Allowance, Telephone Expenditure, Electricity Expenditure etc. in this financial year.
7. The Institute has surrendered an amount of ₹11,00,00,000/- under GIA Salary before the closure of financial year.
8. The Institute has transferred following unclaimed amount which have been overdue for more than 3 complete Accounting Years, as of 31.03.2024 under **Schedule-18 [Other Income]**:-

S. No.	Particulars	Amount in ₹
1	Earnest Money Deposits	20,16,700.00
2	Security Deposits Vendor's	35,43,748.00
3	Unclaimed Creditors	36,687.00
Total		55,97,135.00

H. COMPLIANCE OF SAR OBSERVATIONS FOR FINANCIAL YEAR 2022-23.

- The reply on final SAR and Management letter for the financial year 2022-23 had been provided to Ministry and Office of CAG on 12/09/2023


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