



आरोग्यं वृद्धं सम्पदा



अखिल भारतीय आयुर्विज्ञान संस्थान रायपुर ALL INDIA INSTITUTE OF MEDICAL SCIENCES RAIPUR

11th Annual Report 2022-23

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

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



Dr. Mansukh Mandaviya
Hon'ble Union Minister
Ministry of Health & Family Welfare
&
Ministry of Chemicals and Fertilizers, Gol



Dr. Bharati Pravin Pawar
Hon'ble Minister of State
Ministry of Health & Family Welfare, Gol



Prof. S.P. Singh Baghel
Hon'ble Minister of State
Ministry of Health & Family Welfare, Gol



आरोग्यं वरुणं सम्पदा

11th ANNUAL REPORT 2022-23

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

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



11th ANNUAL REPORT

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Additional Professor, Psychiatry

Dr. Satyaki Ganguly

Associate Professor, Dermatology

Dr. Vinita Singh

Associate Professor, Obstetrics & Gynecology

Shiv Shankar Sharma, Ph.D.

Public Relations Officer



AIIMS RAIPUR AT A GLANCE- 2022-23

Academic Details

1.	Teaching Departments	35
1.	Faculty Members (a) Medical (b) Nursing	192 186 6
2.	Non- Faculty Staff	2915

Students Intake (FY2022-23) :

Medical Students	125
Nursing Students	75

Hospital Services

Hospital/ Centre	Outpatients (including Casualty)	Surgery (Operations/ Procedures)	No. of Beds
7,16,610	42,104	10,395	960
		8,935	

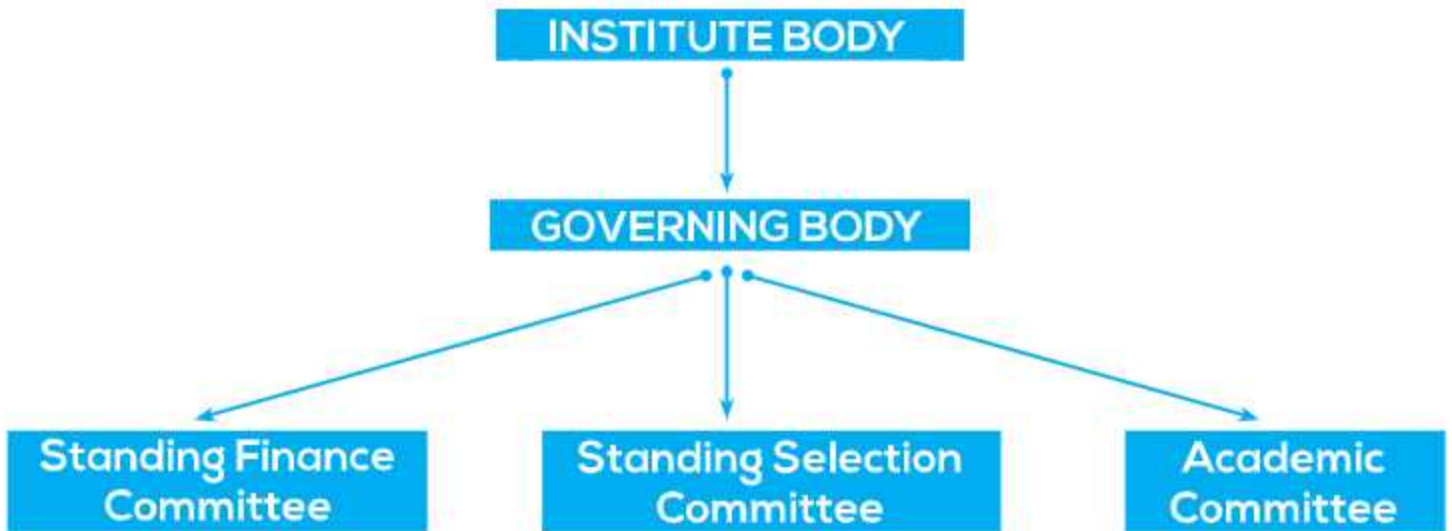
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26.	Department of Microbiology	180
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34.	Department of Orthopaedics	226
35.	Department of Paediatrics	231
36.	Department of Paediatric Surgery	245
37.	Department of Pathology and Laboratory Medicine	250
38.	Department of Pharmacology	262
39.	Department of Physical Medicine and Rehabilitation	278
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AIIMS - ORGANISATIONAL STRUCTURE



MESSAGE FROM DIRECTOR



The year 2022-23 was a wake from the dreadful calamity of the COVID19 pandemic, where we observed life returning to normal almost after 3 years of being stricken with a worldwide medical emergency; India being no different. The vaccination drive was at its peak and we strived to return to the more balanced OPDs and IPDs. We observed a new boom in the academics, research and innovation in this year as our focus shifted from survival to thriving. The dedicated team of doctors, post-graduates, interns, nursing staff and all the associated staff without whom the system would collapse, AIMED to make new vistas in patient care, research and academia. It gives me a great sense of pride and honor to present the 11th Annual Report and Audited Statement of Accounts of AIIMS, Raipur for the financial year of 2022-23.

This institute of excellence offers varied graduate, post-graduate, PhDs, paramedical courses and various specialized training in varied

departments. We, at present house 1388 students enrolled into various courses varying from MBBS, BSc Nursing, PhD, MD/MS, DM, MCh and various other paramedical and post doctorate diploma courses. From 2012 since its foundation, AIIMS Raipur has successfully admitted 11 batches of MBBS students and 10 batches of BSc (Hons.) Nursing students. We have now the largest pool of postgraduate students till date (MD/MS/MDS) as we steered away from the grim pandemic into discovering more academic strength, enhanced patient care services and advancement of diagnostics amalgamated with the zeal of want to progress in research and development. We now grant 148 seats per annum in 26 specialties. In the current financial year 3 more seats were approved for MDRadiodiagnosis, MD Transfusion Medicine, MDS Oral and Maxillofacial Surgery. Seats were also approved for sponsorship in the disciplines for pediatrics, anesthesia, trauma and emergency and

general medicine, now making the sum of all seats for specialization at an all time high of 157.

We gained approval of DM seats for Cardiac Anesthesia, Critical Care, Endocrinology and Neonatology and along with augmentation in the number of seats for DM 18 and MCh 15 per annum to 33 in 15 subspecialties. We have received approval for direct 6 year MCh course in cardiothoracic and vascular surgery in this year. The newly approved post-doctorate certificate courses were 02 in PDCC in Hospital Infection Control bringing the total number of seats at 37 per annum. Currently, 35 PDCC Residents are pursuing the Post Doctoral Certificate Course from AIIMS Raipur in 16 specialties. We are also offering 10 PhD courses with 20 seats, with current number of scholars at 15.

We are proud to announce that six batches of MBBS students (circa 2012-2017) have successfully concluded their respective internships and six batches of B.Sc. (Hons.) Nursing students (circa 2013-2018) have successfully accomplished their course. These graduates are now pursuing various postgraduate courses at various prestigious international, central and state institutions. Some are highly placed at jobs of high calibers at various institutes. The post graduates have joined in the specialized workforce while also enhancing their academic prowess by enrolling into various post-doctorate diploma and degree courses from honorable institutes across the globe.

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

The hospital is copiously functional at a capacity of 960 beds, of which HDU Beds-79, ICU Beds-124, Private Beds-29, General Beds-728 beds are equipped with providing intensive and life-saving care. We also cater to the public with 15 specialty departments and 17 superspecialty departments while also providing emergency care at state-of-the-art trauma and emergency centre. We have a surge in the number of staff in the institute with a total of 188 of faculty and 557 non-faculty staff, inclusive of regular, deputation and

contractual staff. Numerous research project related staff are also supporting the innovation accomplishments of the institute. 34 nursing officers were promoted to senior nursing officers in this year. We are expecting recruitment of various faculty, along with varied cadres of nursing officers and superintendents.

We are delighted to report that we have successfully administered 9207 doses against COVID19, which included 6013 precautionary doses. As luck would have it, we did not face any major challenges with the disease, thanks to vigilance, vaccination and general awareness amongst the public; AIIMS played a major role in which. The state-of-the-art Virus Research and Diagnostic Laboratory now shifts its focus from the 2200 RTPCRs performed for COVID19 to more viral vistas, including but not limited to respiratory infections, HIV and so on. VRDL is providing diagnostic and research support on HPV, HBV, HCV, Meningitis Panel (HSV, CMV, VZV, EBV, HI-IV-6, Enterovirus, Mumps), panel, Gastro-intestinal panel, Arbo viruses (Dengue, Chikungunya, Zika and Parvo Virus B19, Respiratory virus JE).

I would like to extend my deepest gratitude to the Hospital Infection Control Committee which steered the institute from the COVID19 pandemic to universal precautions seamlessly and effortlessly. We truly imbibe our learning from the last year and carry it with us into new era of the post-pandemic world.

The year 2022-23 marked a new beginning of the healthcare services here at AIIMS Raipur. We provided consultations for 716610 OPD patients. While catering to the care of 42281 IPD patients, we have performed 19330 surgeries, 8935 of which were minor and 10395 of which were major. While believing in integral and holistic care of those ailing, we have continued with our established AYUSH centre, which provided care to 22353 patients in this year. We have continued providing tele-consultation and support, benefitting 101 patients in the year 2022-23.

We have various government benefit programs functioning in the hospital. The flagship is the Pradhan Mantri Jan Arogya Yojna (PMJAY) of Government of India which has been functional since the year 2018. Since its integration we were

able to extend its support to 79098 patients with collective fund amount of Rs. 84,61,04,106/-. The year 2022-23 saw benefit of 30295 patients from this scheme. Other patient benefit schemes those are currently functional at the institute are Mukhyamantri Vishesh Swasthya Sahayata Yojana (MVSSY), Rashtriya Bal Swasthya Karyakram (RBSK), Chirayu.

We have upgraded our services in the year 2022-23, with now being equipped with Extra-Corporeal Membrane Oxygenation (ECMO) in various ICUs including the PICU which touches the zenith of respiratory care that can be provided. 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.

We are grateful for the recognition our institute has gained for providing tremendous patient care services to people in and around Chhattisgarh. We are extremely thankful to be ranked 39th among best Medical Colleges in NIRF Ranking 2023 and 10th rank in India's Best Universities 2023, the magazine 'The Week'. Research and development is an integral part of the values upheld by us here at AIIMS, Raipur. We have extended our support to neighboring areas under 06 extramural, 14 intramural and 19 academic projects. We strive here to reduce antimicrobial resistance, not only at the centre but throughout the state by extending the services of our extremely dedicated Hospital Infection Control Committee and Antimicrobial Stewardship Committee. We are glad to share that we have performed many successful workshops, CMEs and conferences to this cause.

The First Convocation of AIIMS Raipur was conducted on 07.03.2023 for MBBS, B.Sc. (Hons.) Nursing, MD/MS/MDS, MPH and M.Sc. Nursing-Psychiatric Nursing courses. The Chief Guest of the Convocation ceremony was Hon'ble Union Minister of State for Health & Family Welfare, Dr. (Mrs.) Bharati Pravin Pawar, Guest of Honour, Hon'ble Member of Parliament, Shri Sunil Soni, Shri Arun Sao and Ms. Saroj Pandey. Overall toppers of MBBS

batch (2012 to 2016) and B.Sc. (Hons.) Nursing (2013 to 2017) were awarded by Gold Medal during the Convocation. Total 501 students were awarded Degree in person and 349 in absentia.

I am thankful to all of the AIIMS Raipur family members, who have brought laurels to the institute making it one of the best recognized and respected institutes of central India. The work done by the team-players have added pearls to the ocean of patient care, research and compassion.

We have been given an unwavering support from the Ministry of Health and Family Welfare, and the Chhattisgarh state government, which has allowed us to cater to needs of sick people. We are grateful and we seek the constant support in the years to come.

We pride ourselves at providing world-class and vastly affordable healthcare, which is evidence based, modern and striving to the complete, competent and holistic care of the varying degrees of illnesses and also providing preventive healthcare services which aim at promoting the health of the people in and around Chhattisgarh while improving the academic and research prowess of those being educated here. We hope to continue the same in the years to come, polishing our skills and learning for the betterment of our people.

Jai Bharat.

Prof. (Dr.) Ajai Singh

Director and CEO
AIIMS Raipur

Institute Body (IB)

S. No.	Members	Designation
1.	Prof. (Dr.) George A D'Souza Dean St. John's Medical College, Bengaluru	President
2.	Shri Arun Sao Hon'ble Member of Parliament Lok Sabha	Member
3.	Shri Sunil Soni Hon'ble Member of Parliament Lok Sabha	Member
4.	Ms. Saroj Pandey Hon'ble Member of Parliament Rajya Sabha	Member
5.	Secretary Ministry of Health and Family Welfare Nirman Bhawan, New Delhi	Member
6.	Director General of Health Services Ministry of Health & Family Welfare Nirman Bhawan, New Delhi	Member (Ex-Officio)
7.	Additional Secretary and Financial Advisor (AS&FA) Ministry of Health & Family Welfare Nirman Bhawan, New Delhi	Member
8.	Dr. Purnendu Saxena Director Visharad Hospital, Raipur, Chhattisgarh	Member
9.	Chief Secretary Government of Chhattisgarh Sachivalaya, Naya Raipur, Chhattisgarh	Member
10.	Vice Chancellor Chhattisgarh Kamdhenu Vishwavidyalaya Anjora, Durg, Chhattisgarh	Member
11.	Dr. Surjit Singh Professor & HOD Department of Paediatrics PGIMER, Chandigarh	Member
12.	Prof. Gangadhar Dean and Principal BTL group of Institutions	Member

13.	Director Indian Institute of Management Atal Nagar, P. O. - Kurru (Abhanpur) Raipur	Member (Ex-Officio)
14.	Prof. (Dr.) Shipra Sharma Director Medical Superintendent & Academic Incharge D K Superspeciality Hospital and PG Institute Raipur, Chhattisgarh	Member
15.	Prof. (Dr.) Pradeep Kumar Patra Director Pt. Jawahar Lal Nehru Memorial Medical College Raipur- Chhattisgarh	Member
16.	Dr. Vijayendra Kumar Professor & HOD Department of Paediatric Surgery Indira Gandhi Institute of Medical Sciences Patna, Bihar	Member
17.	Prof. (Dr.) Nitin M Nagarkar Director and CEO All India Institute of Medical Sciences Raipur, Chhattisgarh	Member Secretary
18.	Additional Secretary (Health), MoHFW, Government of India, New Delhi	Permanent Special Invitee
19.	Joint Secretary (PMSSY), MoHFW Government of India, New Delhi	Permanent Special Invitee

Governing Body (GB)

S. No.	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	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	Member
7.	Dr. Narayan Purushottam Dakshinkar Vice Chancellor Chhattisgarh Kamdhenu Vishwavidyalaya Anjora, Durg, Chhattisgarh	Member
8.	Director Director, Indian Institute of Management (IIM) Atal Nagar, Raipur, Chhattisgarh	Member (Ex-Officio)
9.	Prof. (Dr.) Pradeep Kumar Patra Director Pt. Jawahar Lal Nehru Memorial Medical College Raipur, Chhattisgarh	Member
10.	Dr. Surjit Singh Professor & HOD, Department of Paediatrics PGIMER, Chandigarh	Member
11.	Prof. (Dr.) Nitin M Nagarkar Director and CEO All India Institute of Medical Sciences Raipur, Chhattisgarh	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)

S. No.	Members	Designation
1.	Secretary Ministry of Health and Family Welfare Government of India, New Delhi	Chairman
2.	Dr. Vijayendra Kumar Professor & HOD, Department of Paediatric Surgery Indira Gandhi Institute of Medical Sciences Patna, Bihar	Vice- Chairman
3.	Shri Arun Sao 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	Member
7.	Prof. (Dr.) Nitin M Nagarkar Director and CEO All India Institute of Medical Sciences Raipur, Chhattisgarh	Member Secretary

Academic Cum Examination Section

Dr. Alok C. Agrawal

Dean (Academics)
Professor & Head
Department of Orthopaedics
(From 16.04.2022)

Dr. Vinay R. Pandit

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

Dr. Atul Jindal

Registrar
Additional Professor
Department of Pediatrics
(28.12.2022 onwards)

Dr. Eli Mohapatra

Dean (Examination)
Professor & Head
Department of Biochemistry

Dr. Avinash S. Ingle

Associate Dean
(Examination)
Professor & Head
Department of Physiology

Dr. Nitin Gaikwad

Registrar
Professor & Head
Department of Pharmacology
(09.11.2018 to 27.12.2022)

The Academic-cum-Examination Section was set up in April 2013. After superannuation of then Dean (Academics), Dr. S P Dhaneria on 31.03.2022, Deans (Academic and Exam) and Associate Deans (Academic and Exam) were appointed at AIIMS Raipur.

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) started from July 2017 with annual intake of 35 seats. The seats intake has enhanced gradually. In the year 2022-23, the Academic Committee of the Institute has approved the MCh CTVS – 6 Years Course at AIIMS Raipur in its 9th meeting. Hence, the seats have increased from 148 to 153 seats per annum (including 2 seats of MCh CTVS-6 Years). M.Sc. Nursing-Psychiatric Nursing course was started from July 2018 onwards with annual intake of 2 seats which was increased to 04 seats per annum from July 2019.

Currently, following courses are available at AIIMS Raipur:

DM/MCh Courses

Course	Annual Intake	Students admitted in 2022-23
DM Cardiology	2	0
DM Clinical Infectious Diseases	2	2
DM Clinical Pharmacology	2	1
DM Nephrology	2	2
DM Paediatric Critical Care	2	2
DM Paediatric Emergency Medicine	2	2
DM Pulmonary Medicine	4	4
MCh Cardiovascular and Thoracic Surgery	2	0
MCh Head-Neck Surgery & Oncology	2	0
MCh Joint Replacement and Reconstruction	2	2
MCh Neurosurgery	3	3

MCh Paediatric Surgery	2	1
MCh Plastic Surgery and Reconstructive Surgery	2	1
MCh Urology	2	1
DM Medical and Forensic Toxicology	2	2
Total	33	23
New Course	New Course/Increase in number of Seat approved in the 9th Academic Committee Meeting	
DM Cardiac Anaesthesia	2	
DM Critical Care	2	
DM Endocrinology	2	
DM Neonatology	2	
Total no. of DM/MCh seats	41	

Ph.D. Courses

Course	Annual Intake	Students admitted in 2022-23
Biochemistry	2	2
Community & Family Medicine	2	2
Forensic Medicine & Toxicology	2	2
Nuclear Medicine	2	0
Orthopaedics	2	0
Pathology & Lab Medicine	2	0
Physiology	2	2
Anatomy	2	0
General Medicine	2	0
Microbiology	2	2
Total no. of PhD seats	20	10

Department	Approved PG seats per annum	Students admitted in 2022-23
Distribution of 148 non-sponsored PG seats		
Anaesthesiology	14	14
Anatomy	3	0
Biochemistry	4	0
CFM	8	8
Dermatology	4	4
ENT	5	5
Emergency Medicine (Department of Trauma and Emergency)	8	8
Forensic Medicine & Toxicology	2	0
General Medicine	12	12

General Surgery	10	10
Microbiology	6	4
Nuclear Medicine	2	2
Obstetrics & Gynaecology	10	10
Ophthalmology	8	8
Orthopedics	6	6
Paediatrics	8	8
Pathology & Lab Medicine	9	9
Pharmacology	4	3
Physical Medicine and Rehabilitation	2	2
Physiology	3	2
Psychiatry	5	5
Radiodiagnosis	5	5
Radiotherapy	2	2
Transfusion Medicine	4	4
Oral & Maxillofacial Surgery (Department of Dentistry)	2	2
Paediatric and Preventive Dentistry (Department of Dentistry)	2	2
Total	148	135
MCh CTVS – 6 Years	02	----
Increase in number of seats in existing course		
Course	Annual Intake with enhancement	Total No. of Seats after enhancement
MD Radiodiagnosis	05	06
MD Transfusion Medicine	04	05
MDS Oral and Maxillofacial Surgery	02	03
Distribution of 4 sponsored seats		
Anaesthesiology	1	0
General Medicine	1	0
Paediatrics	1	1
Trauma and Emergency	1	0
	4	1
Grand Total	157	136

Post Doctoral Certificate Courses (PDCC)

Course	Annual Intake	Students admitted in 2022-23
PDCC in Cardiac Anaesthesia	3	3
PDCC in Critical Care	4	4
PDCC in Neurosurgical Anaesthesia	3	2
PDCC in Pain and Palliative Care	2	2
PDCC in Neonatology	4	3
PDCC in Paediatric Cardiac Critical Care	2	2
PDCC in Cardiothoracic and Vascular	2	1

Imaging & Interventional Radiology		
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	1
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	0
Total	35	24
New Courses approved in the 9th Academic Committee Meeting		
Course	Annual Intake	
PDCC in Hospital Infection Control	2	
Total no. of PDCC seats	37	

Course	Annual Intake	Students admitted in 2022-23
MBBS	125	125
B.Sc. (Hons.) Nursing	75	42
Master of Public Health (MPH)	10 (including 4 sponsored seats of Govt. of Chhattisgarh)	06
M.Sc. Nursing-Psychiatric Nursing	04	04

Following M.Sc. Nursing Courses are also approved in the 9th meeting of Academic Committee of AIIMS Raipur:

Name of the Courses	Number of seats per annum	Duration of the Course
M.Sc. Nursing (Medical Surgical Nursing – Cardiovascular and Thoracic Nursing)	02	2 Years
M.Sc. Nursing (Paediatric Nursing)	02	
M.Sc. Nursing (Obstetrical and Gynaecological Nursing)	02	

Paramedical Courses

Course	Annual Intake	Students admitted in 2022-23
Bachelor in Audiology & Speech Language Pathology	4	0
B.Sc. in Operation Theatre Technology	8	0
B.Sc. In Medical Technology In Radiography	5	2
B.Sc. In Medical Laboratory Technology	8	3
Advanced Diploma in Radiotherapy Technology (ADRT)	2	2
Pre-Hospital Trauma Technician (PTT)	10	10

Proposed New Courses at AIIMS Raipur:

Course	Annual Intake
Medical Record Officer (MRO)	15 participants per batch
Medical Record Technician (MRT)	15 participants per batch

As on 31.03.2023, 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	601
B.Sc. (Hons.) Nursing	251
MD/MS/MDS	345
DM/MCh	60
PDCC	20
M.Sc. Nursing-Psychiatric Nursing	05
Ph.D.	15
Master of Public Health	12
Paramedical courses	79

Details of the courses:

MBBS

Batch	Annual Intake	Students admitted	Studying in	Exam scheduled in	Remark
2012	50	50	----	----	Completed the course.
2017	100	100	----	----	Completed the course.
2018	100	100	----	----	Posted for one year compulsory rotational

					internship from January 2023.
2019	100	100	3 rd Professional Part II	November/December 2023	----
2020	125	125	3 rd Professional Part I	January/February 2024	----
2021	125	125	2 nd Professional	January/February 2024	----
2022	125	125	1 st Professional	November/December 2023	----

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.
2018	60	60	----	----	Completed the course.
2019	60	60	4 th Year	July 2023	----
2020	75	75	3 rd Year	October 2023	----
2021	75	75	2 nd Year	October 2023	----
2022	75	75	1 st Year	October/November 2023	----

The Six batches of B.Sc. (Hons) Nursing course (admitted in 2013, 2014, 2015, 2016, 2017 and 2018) have been offered one year contractual employment in AIIMS Raipur.

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	3 rd year	June/July - 2023
Jan - 2021		75	3 rd year	Jan/Feb – 2024
July – 2021	148	54	2 nd Year	June/July 2024
Jan - 2022		81	2 nd Year	Dec. 2024/Jan 2025
July - 2022	148	24	1 st Year	June/July 2025
Jan - 2023		112	1 st Year	Dec. 2025/Jan 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	2 nd Year	Aug./Sep. – 2023
July – 2022	04	04	1 st Year	October – 2023

Performance of students in examination

2022-23

Name of Exam	No. of Students Appeared	No. of Students passed	Passing Percentage
B.Sc. (Hons) Nursing 1 st Year	74	72	97.29%
B.Sc. (Hons) Nursing 2 nd Year	76	63	82.89%
B.Sc. (Hons) Nursing 3 rd Year	58	52	89.65%
B.Sc. (Hons) Nursing 4 th Year	58	57	98.27%
M.Sc. Nursing-Psychiatric Nursing 1 st year	1	1	100%
M.Sc. Nursing-Psychiatric Nursing 2 nd year	4	4	100%
MBBS 1st Prof	125	104	83.20%
MBBS 2nd Prof	119	113	94.95%
MBBS 3 rd Prof	110	97	88.18%
MD/MS (July 2018 batch)	44	43	97.72%
MD/MS (Jan 2019 batch)	37	34	91.89%

The First Convocation of AIIMS Raipur was conducted on 07.03.2023 for following courses:

Sr No.	Course	Batch	Degree Prepared
1	MBBS	2012	50
		2013	100
		2014	87
		2015	95
		2016	93
2	B.Sc. (Hons.) Nursing	2013	59
		2014	58
		2015	58
		2016	57
		2017	60
3	MD/MS/MDS	Jul-17	07
		Jan-18	20
		Jul-18	19

		Jan-19	32
		Jul-19	42
4	MPH	2019	05
5	M.Sc. Nursing	2018	01
		2019	03
		2020	04
Total			850

The Chief Guest of the Convocation ceremony was Hon'ble Union Minister of State for Health & Family Welfare, Dr. (Mrs.) Bharati Pravin Pawar, Guest of Honour, Hon'ble Member of Parliament, Shri Sunil Soni, Shri Arun Sao and Ms. Saroj Pandey. Overall toppers of MBBS batch (2012 to 2016) and B.Sc. (Hons.) Nursing (2013 to 2017) were awarded by Gold Medal during the Convocation. Total 501 students were awarded Degree in person and 349 in absentia.

Account of Recruitment of Senior Resident (Non Acad) and Junior Resident (Non Acad) at AIIMS Raipur

We conducted 03 and 02 recruitment drives for SR and JR, respectively.

Post	No. of post advertised	No. of application received	No. of selected candidates	No. of filled post
Senior Residents (Non Acad)	395	334	100	100
Junior Residents (Non Acad)	63	150	43	48

Events organized

1. TEDx event was organized on the theme: PRISM of Ideas on 04.09.2022 at AIIMS Raipur by a set of brilliant talks that provoked the brains and senses of our growing community to a new level of inspiration and unveiling impressive potentials.

Speakers of the TEDx event were -

- ✓ Aditi Khattar, Women Entrepreneur
 - ✓ Arif H Shaikh IPS, Indian Police Service
 - ✓ Barkha Trehan, Mens Right Activist
 - ✓ Darshan Sankhala, Entrepreneur
 - ✓ Dr Nachiket Bhatia, Director & CEO, DBMCI
 - ✓ Dr Alok Chandra Agrawal, Dean (Academics), AIIMS Raipur
 - ✓ Dr Tejaswini Manogna, Miss India Earth 2019
 - ✓ Job Zachariah, UNICEF Chief, Chhattisgarh
 - ✓ Major Mohommed Ali Shah
 - ✓ Shilpi Goel, Nutrition Expert
 - ✓ Shobhit Nirwan, YouTube Content Creator
2. Motivational Talk was organized on 23.09.2022 on "Spiritual and Mental Health Session" by Shree Man Amogh Lila Prabhu, Indian saint, social worker and motivational speaker at AIIMS Raipur.
 3. A Heartfulness Session I was organized on 14.01.2023 by Dr. Pragya Suryavanshi, Senior Consultant, Obstetrics & Gynaecology, Raipur during Internship Orientation Program at AIIMS Raipur.

Administration

Deputy Director (Administration)

Shri Anshuman Gupta

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

Shri V. Sitaramu

Administrative Officer Hospital

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 branches looking after the above-mentioned areas.

Responsibilities of Establishment Section and General Administration include

appointments, 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 31.03.2023 is mentioned below:

S. No	Category/Group	Sanctioned Strength	In-position
1.	Faculty members	305	188
2.	'A'	1030	666
3.	'B'	2228	1461
4.	'C'	626	788
	Total	4189	3103

For the FY-Year 2022-23

PG PORTAL	
Grievances received	Grievances disposed of
49	47
RTI CELL	
Letters received	Letters disposed of
678	678

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 by active contribution of shri Sayed Shadab & shri Umesh Kumar Pandey. It is regularly disseminating information about AIIMS, Raipur through Print, Electronic, social Media and in the form of Publicity Material. During the Financial Year 2022-23, 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. On the Occasion of successful completion of 10 years of AIIMS, Raipur e-Coffee Table Book was designed, drafted and published by the Department. Department of Public Relations actively is 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.



Curtain Raiser Press Conference on first Convocation of AIIMS, Raipur

Recruitment Cell

Assistant Controller of Examinations

Shri Ambika Prasad Choubey

AIIMS Raipur strives to attract and recruit best talent across 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. For wide publicity and increasing competition 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.

Mission Recruitment:

Recruitment Cell, AIIMS Raipur is consistently increasing its efforts to fill up vacant Faculty and Non-faculty posts. With the launch of flagship programme 'Mission Recruitment' by the Hon'ble Prime Minister, recruitment process has further gained momentum. AIIMS Raipur has actively participated in 'Mission Recruitment' and initiated recruitment process for various vacant posts.

Total Group 'A' 121 post and 237 group 'B' posts were advertised during FY 2022-23.

Rozgar Mela:

The 'Rozgar Mela' under Mission Recruitment has reinvigorated and expedited the entire recruitment process. As offer letters are required to be issued to selected candidates during the Rozgar Mela, completing the recruitment process expeditiously and as per timeline became top priority. As a result, the Institute issued 533 offer letters to selected candidates during November 2022 – March 2023.



Distribution of Offer of Appointment to Selected Candidates During Rozgar Mela

Rajbhasha Cell

Prof.(Dr.) Nitin M. Nagarkar

Chairman

Departmental Official Language Implementation Committee

Deputy-Director (Administration)

Shri Anshuman Gupta

Sr. Hindi Officer (I/C) and Public Relations Officer

Shri Shiv Shankar Sharma

Junior Hindi Translator

Shri Sharukh Khan

Shri Madhuragi Shrivastava

Members

All HoDs and Officers

Activities and Programmes organized by Rajbhasha Cell during financial year 2020-21:-

Quarterly meeting of Departmental Official Language Implementation Committee was organized on 10th June, 28th September, 28th December, 2022 and 21th March, 2023. Prof.(Dr.) Nitin M. Nagarkar Director, 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.

A workshop was organized by Rajbhasha Cell on the topic '**AZADI KA AMRIT MAHOTSAV: HINDI AUR KSHETRIYA BHASHA KA MAHATVA**' on 28th September, 2022. The Chief Guest in this workshop was Himanshu Dwivedi, Chief Editor, Dainik Haribhoomi and INH, and special guest was Dr. Premshankar Tripathi, EX-Head of the Department of Hindi, Surendra Nath Evening College, Kolkata University. Hindi-Pakhwara was organized in AIIMS, Raipur from 14-29 September, 2022. Different competitions like Medical Terminology, Administrative Terminology, Dictation, Essay, Extempore, Self-Written Poetry Recitation, Debate, Quiz were organized. In these competitions, 153 students and 229 officers/ employees participated

enthusiastically. A prize amount of • 2,25,000/- was distributed among winners.

Hindi Typing Workshops were organized by Rajbhasha Cell on 23-27 May, 2022. Another Hindi training workshop was organized between 14-19 November, 2022. This Hindi training workshop was organized for the faculty and employees of non hindi regions in which 7 faculty members and 38 employees were trained.

AIIMS Raipur is an important member of Town Official Language Implementation Committee. First Half-yearly meeting of the committee was organized on 26.05.2022 and second Half-yearly meeting of the committee was organized on 07.10.2022. Prof.(Dr.) Nitin M. Nagarkar Director, AIIMS Raipur, Shri Anshuman Gupta, Deputy-Director(Admin), Shri Shiv Shankar Sharma, Sr.Hindi Officer and Public Relations Officer, participated in the meetings.

Annual Report of financial year 2021-22 was completely translated by Rajbhasha Cell, AIIMS Raipur. In addition to it, Rajbhasha Cell has 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 the observance of various compulsory provisions under the Official Language act. Following are the steps taken for it.

1. New editions of Half-yearly Hindi Magazine 'Spandan' of AIIMS Raipur was prepared. Eighth edition of (April– September, 2022) and Ninth edition (October-March, 2022-23) were circulated among various departments through online mode.
2. In order to promote official work in hindi, AIIMS, Raipur awarded 10 Rajbhasha Protsahan Puraskar worth rs 29,000/- on 28th September, 2022 to officers and employees who have worked maximum in Hindi.
3. For giving Hindi Dictation by HoDs and Officers, 3 HoDs received a sum of rs 70,000/- under "Hindi Dictation Yojana".
4. "AIIMS RAIPUR RAJBHASHA SAHITYA SANGAM" was formed on 02.02.2023 by RAJBHASHA PRAKOSH along with faculty members to provide a platform for all the Hindi literature lovers of the institution for their literary expression from time to time. All doctors, officers-employees and their nearest family members, students studying in this Institution who are inclined towards Hindi poetry and literature are included in it.
5. Implementing Official Language Act.

Documents issued during 2022-23 under section 3(3) of Official language act, 1963

1.	Total no. of documents issued	4130
2.	Total no. of documents issued bilingually	4130

Letters received in Hindi during 2022-23 (Rule 5 of Official Language Rules, 1976)

1.	Total no. of letters received	5045
2.	Out of these, no. of letters replied to in Hindi?	4102
3.	No. of letters replied to in English?	0
4.	No. of letters not to be replied to?	943

No. of letters received in English but replied in Hindi during 2022-23:

	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
From region 'A'	13162	9952	2078	1132	75.61%
From region 'B'	146	105	34	7	71.91%

Details of total letters issued during 2022-23:

	In Hindi	In English	Total no. of letters issued	Percentage of letters issued in Hindi
To region 'A'	8612	3295	11907	72.32%
To region 'B'	194	90	284	68.30%
To region 'C'	59	83	142	41.54%

Notings in Hindi on files/documents during 2022-23:

No. of pages of Hindi noting	126189
No. of pages of English noting	44195
Total No. of pages of noting	170384
Percentage of notings in Hindi with respect to English	74.06%

Security

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 (outsource), 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 security art 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:

1. Preparation of Annual Budget of the Institute.
2. Receiving Grant-in-Aid for Salary, General and Capital expenditure from the Administrative Ministry.
3. Budget Management, Cash Flow Management and Expenditure Control.
4. HEFA Loan Managements.
5. Management of Hospital Receipts.

6. To accord financial concurrence as per the provisions of GFR on matters related to procurement of the Institute.
7. 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)
8. To prepare pay bill of employees & other necessary records as per the provisions of income tax, sales tax, service tax & other statutes.
9. To prepare the financial statements (receipts & payments accounts, income & expenditure account and balance sheet).
10. To get the various Audits done like CCA audit, CAG audit and to submit compliance/ATN.
11. Handling of New Pension Schemes, GPF and PFMS
12. Scrutiny of project related works and other bills.
13. 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 facilities being proposed are to be used by the economically weaker section of the Chhattisgarh State and whole country.

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

BRIEF OF ALL PACKAGES (as on 31.03.2023)

Status of construction in AIIMS Raipur (As on 31.03.2023) 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	<i>Pkg - I Medical College</i>	<i>M/s Punj Lloyd Ltd.</i>	<i>115.21</i>	<i>100</i>	<i>128.30</i>	<i>28.02.2020</i>
	<i>Pkg - II Hospital Complex</i>	<i>M/s B.L. Kashyap & Sons Ltd.</i>	<i>262.40</i>	<i>100</i>	<i>317.01</i>	<i>22.09.2022</i>
	<i>Pkg - III Electrical Services</i>	<i>M/s Ahluwalia (Contractcs) India Ltd.</i>	<i>35.86</i>	<i>100</i>	<i>36.59</i>	<i>28.02.2020</i>
	<i>Pkg - IV Estate Services</i>	<i>M/s B.L. Kashyap & Sons Ltd.</i>	<i>63.33</i>	<i>100</i>	<i>61.96</i>	<i>21.03.2022</i>

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	:	22.02.2020
Physical Progress	:	100 %
Fund released so far	:	128.30 Crores

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	8492.00
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	:	317.01 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 : 02nd Feb 2012
Completion Date : 01st 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 31/03/2023 Including the work assigned to CPWD

Construction of Academic Block & Administrative Block

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Status (select any one)
31/03/2023	100%	86%	91.40%	4.25%	pending

Residential Complex Phase – II

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2023	NIL	NIL	NIL	NIL	Pending	MoU between AIIMS Raipur and CPWD is signed on 16.03.2023. Preliminary activities i.e. Geo technical investigation has been done.

School of Public Health at Naya Raipur

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2023	NIL	NIL	NIL	NIL	Pending	Work awarded and date of start is 06.05.2023. Geo technical investigation has started.

Rural Health Training Centre at Kurud

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2023	NIL	NIL	NIL	NIL	Pending	Work awarded and date of start is 13/04/2023. Geo technical investigation and structural drawing sent for vetting by Engineering College. Work execution has been started.

Construction of Critical Care Hospital Building at AIIMS Raipur

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2023	NIL	NIL	NIL	NIL	Pending	MoU with CPWD has been done on 16/03/2023, Preliminary Estimate awaited from CPWD and Rs. 8.87 Crore released on 24.04.2023.

Hospital and Department of Central Medical Records

Deputy Medical Superintendents

Dr. Dibakar Sahu

Dr. Tridip Dutta Baruah

Dr. Ramesh Chandrakar

Assistant Professor, Faculty In-Charge for MRD

Dr. Joydeep Samanta

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

Shri Kalleshwara I.T

About the Hospital:

Since establishment, Department of Central Medical Records is extending its services to the Institute, patients and public very honestly. The Department is located at Basement of Hospital 'D' Block, Room No. 01, AIIMS, Raipur.

Key Role Services of the Department of Central Medical Records:-

1. Electronic Medical Record (EMR)/ Electronic Health Record (EHR).
2. Digitalization of Medical Records.
3. Installed state of the art Electronic Motorized Compactor for Medical Records.
4. Authorized to issue Birth and Death Certificates.
5. Maintained all records/Medico-Legal Cases as per norms.
6. Medical Audit and Statistical Studies.
7. Conducted CMEs for awareness of Medical Records.
8. Online facilitation for Registration, Billing etc.

9. Death review meeting /covid-19 death review meeting, Facilitate all types Insurance Claims.

The Department has extended following services/facilities in the Financial Year 2022-23:

1. Facilitated registration, billing etc. to **7,16,610** patients in OPD during pandemic.
2. Facilitated admission of **42,104** patients in IPD and their record keeping during pandemic.
3. Facilitated admission of 19,330 patient's surgeries (Major & Minor) and their record keeping during pandemic.
4. Facilitated admission of 246 COVID19
5. Around 1,42,087 MLC OPD/IPD/ records digitalized.
6. 2053 Birth Certificate issued.
7. 2180 Death Certificate issued through physical and online.
8. Developed various formats in HMIS software.
9. Facilitated 256 COVID19 Death summaries to deceased family.

Hospital Statistics from 01.04.2022 to 31.03.2023

S. No.	Particular	Numbers
1.	Total No. of Out Patients attendance	7,16,610
2.	Total No. of New Cases	3,82,740
3.	Total No. of Old Cases	3,33,870
4.	Total No. of COVID -19 OPD	923
5.	Daily Average No. of Out Patient attendance	2,389
6.	Total No. of Out Patient attendance in Casualties	32,985
7.	Daily Average No. of Out Patient attendance in casualties	89
8.	Total No. of Admissions	42,102
9.	Total No. of Discharges	42,104
10.	Daily Average No. of occupied In Patient attendance	692
11.	Daily Average Bed Occupancy Rate	73%
12.	Total No. of Deliveries conducted	2,053
13.	No. of Live Births	2,016
14.	No. of Still Births	37
15.	Total No. of Deliveries FTND	839
16.	Total No. of Deliveries LSCS	1214
17.	X-Ray(Including OPD & IPD)	1,47,124
18.	USG(Including OPD & IPD)	20,225
19.	CT Scan(Including OPD & IPD)	17,634
20.	MRI(Including OPD & IPD)	4,549
21.	Total No. of Investigations(Including Biochemistry, Microbiology, Pathology and Radiology OPD & IPD)	29,69,061
22.	Color Doppler	4,078
23.	Angiography/Angioplasty	612 / 161
24.	No. of Investigations in Biochemistry(Including OPD & IPD)	21,96,721
25.	No. of Investigations in Microbiology(Including OPD & IPD)	1,80,847
26.	No. of Investigations in Pathology(Including OPD & IPD)	3,77,463
27.	No. of Investigations in Radiology (Including OPD & IPD)	2,14,030
28.	Total No. of Operations performed	19,330

29.	No. of Major Surgeries		10,395
30.	No. of Minor Surgeries		8,935
31.	Total No. of Death(including brought dead – 256)		2,180
32.	No. of Death below 48 Hours		1,385
33.	No. of Death above 48 Hours		433
34.	Gross Death Rate		4.41
35.	Net Death Rate		1.05
36.	Forensic Medicine and Toxicology	Medico Legal Cases Handled	7,036
		Medico Legal Autopsies Performed	549
		Embalming of Autopsied Bodies	23
		COVID Body Handed Over	22
37.	Brought dead		310
38.	No. of Insurance claims		325
39.	Files Issued Re-Admission Patients and Thesis purpose		795
40.	Files Issued Re-Admission Patients and Thesis purpose by email		1990
41.	Mortality Cases Review		2180
42.	ORS (Online Registration System)		2,37,191
43.	Audiometry	Audiology	5601
		Speech language	835
44.	ECHO		10,021
45.	PMR(Physiotherapy)		20,992
46.	The Ayushman Bharat Digital Mission (ABDM)	Total number of registered cases	28037
		Total number of treated cases	27943
47.	Total number of mucormycosis patients in AIIMS Raipur		284
48.	Total number of surgeries performed		243
49.	Total number of patients discharged		202
50.	Total number of mucormycosis Mortality		41
51.	The National Viral Hepatitis Control Program under [NVHCP] Details of hepatitis positive cases getting treatment in AIIMS,	No of Hepatitis B virus [HBV] patients screened/positive	3375/603
		No of Hepatitis C virus [HCV] screened/positive	2967/226
52.	No of patients received [HBV] drugs		69

	Raipur	No of patients received [HCV] drugs	83
53.	Mission Indradhanush is a health mission of the Government of India.(Immunization)		34,284
54.	Pradhan Mantri National Dialysis Programme (PMNDP)		7,158
55.	The National Tuberculosis Elimination Program	Total number of New registered cases	899
		Total number of Recurrent registered cases	51
		Directly Observed Therapy Short course (DOTS)	144
		Total number of Referred cases	804

Bed Occupancy

Month	Days of the Month	No. of Beds	Total Admission	Total no. of patients stayed during the month	Bed Occupancy %	Average patients staying in the hospital per day	Average patients admitted per day
Apr-22	30	900	3083	19484	67.65	649	103
May-22	31	900	3113	19007	63.87	613	100
Jun-22	30	900	3315	20188	70.10	673	111
Jul-22	31	900	3767	22140	74.40	714	122
Aug-22	31	960	3655	22512	75.65	726	118
Sep-22	30	960	3541	21521	74.73	717	118
Oct-22	31	960	3491	20215	67.93	652	113
Nov-22	30	960	3580	20890	72.53	696	119
Dec-22	31	960	3721	21826	73.34	704	120
Jan-23	31	960	3829	21854	73.43	705	124
Feb-23	28	960	3592	20734	77.14	741	128
Mar-23	31	960	4024	22073	74.17	712	130

College of Nursing

Professor Cum Principal

Dr. Binu Mathew

Assistant Professor

Dr. J. Jeayareka

Lecturers

Mrs. Vahitha S

Mrs. Veena Verma

Mrs. Joyce Joseph

Mrs. Suganya P.

Tutors/ C.I.

Mrs. Chetna Sahu

Mrs. Chandramani

Mr. Rajendar Singh

Mrs. Suman Shinde

Mrs. Chitrekha Sippy

Mrs. Bagavathi.R

Mr. P.D. Deepak

Mrs. Seema Maheswari. A

Mr. Harish Kumar

Mr. Prem Chander

Mrs. Rohisha I. K.

Ms. Ritika Rocque

Mrs. Renu Rekha Korkora

Ms. Annamreddi Leelavati

Mrs. Nirupam Nisha Sahu

Ms. Jissa Donel

Ms. Chhameshwari Verma

Dr. Solomon James M

Mr. Jayavel

Dr. Hitesh Choudhary

Mr. Abdul Munaf Mujawr

HIGHLIGHTS

Department Of Medical Surgical Nursing:

World Diabetes Day (14.11.2022) was observed by College of Nursing, AIIMS RAIPUR on 14th November 2022, with the aim to create awareness, provide education to people living with diabetes to carry out the daily self care activities by staying healthy and preventing complications. World Cancer Day observation (04.02.2023): World cancer day with the theme "close the care gap" was celebrated in collaboration with radio-oncology dept.

of AIIMS Raipur. World Kidney day observation (09.03.2023): World kidney day 2023, was organized by department of Medical surgical nursing of college of nursing in collaboration with Nephrology department of AIIMS Raipur, on 09.03.2023.

Department Of Child Health Nursing:

Breast feeding week -2022, was organized by College of Nursing and State Centre of Excellence-SAM, department of Pediatrics, AIIMS Raipur from August 1st to 6th.

Department of Mental Health Nursing:

International World Mental Health Day was celebrated on 10.10.2022 in collaboration with the Department of Psychiatry, AIIMS Raipur.

Department of Obstetrics & Gynecology Nursing:

Organizing Team Member of "World Breast Feeding Week"-1- 6.08.2023, Organizing Team Member of "National Girl Child Day"-24.01.2023.

Department of Community Health Nursing:

07.04.2022, World Health Day - Under the Swachhata Pakhwada, World Health Day was observed by College of Nursing, AIIMS Raipur. 01st August to 06th August, 2022 World Breastfeeding week - Breast feeding week -2022, was organized by College of Nursing and State Centre of Excellence-SAM, department of

Pediatrics. On November 30, 2022, the Department of Community Health Nursing hosted a guest lecture on "Nutritional Assessment in Community and National Nutrition Programmes- Recent Updates." 09.12.2022, Universal Health Coverage Day - On the occasion of Universal Health Coverage day with the theme Build the World We Want: A Healthy Future for All, a Health Screening camp was organized by 4th year B.Sc (Hons.) Nursing students and Department of Community Health Nursing. 21.01.2023, World Neglected Tropical Disease Day - World Neglected Tropical Diseases (NTD) day was observed on 30 January, 24.01.2023, School Health Programme - Dept of Community Health Nursing & Dept of Obstetrics and Gynecology Nursing, College of Nursing, AIIMS Raipur jointly conducted a school Health programme on the occasion of National Girl Child Day.

EDUCATION**CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES**

S. No.	Title	CME/Conference	Date	Organised By
1.	Building Nursing & Midwifery Leadership in the context of UHC / SDGs	Online Training Course	28 - 30.03.2022	National Institute of Health and Family welfare, New Delhi
2.	Professionalism at work place	Induction and Training Programme of Nursing Officers	20 - 25.06.2022	AIIMS, RAIPUR
3.	Pros & cons of Technology on Adolescents Mental Health	4 th National Conference on Digitalization and Adolescent Mental Health	29.07.2022	"Pros & cons of Technology on Adolescents Mental Health".
4.	AHA Certified Basic Life support (BLS) & advanced Cardiovascular (ACLS) provider Course	Course	04-06.08.2022	AIIMS RAIPUR
5.	SIMULUS 7- 7 th Annual Conference on Healthcare Simulation	Conference	04 - 06.09.2022	All India Institute of Medical Sciences (AIIMS), Jodhpur, India and Pedi STARS India
6.	Writing Research Proposals for Funded Projects	Online National Webinar	08.10.2022	Clinical Nursing Research Society (North Zone) in sponsorship with Nursing Next Live
7.	IPSSV2022 Human Factors in Pediatric Simulation: Creating	Online Symposium	09.11.2022	International Pediatric

	Safer Care			Simulation Society
8.	WORLD COPD DAY – “Your lungs for life”	Mega screening camp	16.11.2022	Department of pulmonary medicine, AIIMS Raipur
9.	Innovation in nursing education	National workshop	19.11.2022	Innovation in nursing education
10.	Diagnostic Stewardship: Role of Nurses and Laboratory Technicians	Online certificate course	21 - 22.11.2022	Delhi Society for Promotion of Rational Use of Drugs (DSPRUD)
11.	Leadership programme on Mental Health Systems Development New Delhi + Melbourne	International Conference	4 - 11.11.2022	Centre for Mental Health, Melbourne School of Population and Global Health
12.	Human Factors in Pediatric Simulation: Creating Safer Care	Virtual International symposium	29.11.2022	AMEDCO LLC & IPSS
13.	Nursing Theories & Practice: Bridging the Gap	National Workshop	12 - 13.12.2022	TPCT's Terna Nursing College, Nerul, Navi Mumbai
14.	Research Methodology	Online Short Term Course	05 - 16.01.2023	Clinical Nursing Research Society (North Zone) in sponsorship with Nursing Next Live
15.	Innovations in nursing- Key to progress in Universal Health	Online Conference	09.01.2023	The Nursing Teachers Association of India
16.	Types of research studies	Research and statistic methodology	21.01.2023	Society of Cardiac Nurses
17.	Certification course in Emotional Intelligence	Workshop/certification course	23.01.2023 – 10.02.2023	Equipose Learning Private Ltd Pune
18.	Transformation and translation in nursing education	International Conference	21-22.02.2023	College of Nursing, AIIMS RAIPUR
19.	Simulation	Workshop	23.02.2023	College of Nursing, AIIMS Raipur
20.	Annual Conference of ISPN held Directorate of Health Services, Goa	Annual Conference	23.02.2023- 27.02.2023	ISPN, India
21.	Breakthrough Leadership Program	Online certification course	March 2023	Think to perform Research Institute, Minnesota, USA

22.	Capacity Building Programme on Referencing & Citations in Nursing Research	Online Webinar	15.03.2023	Clinical Nursing Research Society (West zone) in collaboration with Nursing Next Live
23.	Promoting Rights and recovery in Mental Health	7th National Conference of WAPR - IC	17- 18.03.2023	LGB Regional Institute of Mental Health Tezpur, Assam
24.	Patient safety and Nurses' resilience in Preoperative practices	International virtual conference	23- 24.03.2023	College of Nursing, AIIMS Bhopal

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Faculty Name	Title	CME/Conference	Date	Organised By
1.	Dr. J. Jeayareka	Respectful maternity care	National Safe Motherhood day on,	11.04.2022	AIIMS, Raipur
		Professionalism at work place	Induction and training programme of nursing officers	20.06.2022 to 25.06.2022	AIIMS, Raipur
		Pros & cons of Technology on Adolescents Mental Health.	4 th national conference "Digitalization and Mental Health - Shaping the future of Adolescents"	29.07.2022	Venkateshwara College of Nursing, Tamil Nadu
		Current trends and Innovation in nursing education	National workshop	19.11.2022	State Government College - Chhattisgarh
		Types of research studies	Research and statistic methodology	21.01.2023	Society of Cardiac Nurses with ECHO India
		Simulation in nursing EDUCATION –panel moderator	International conference on "Transformation and Translation In Nursing Education- New Era, New Insight"	22- 23.02.2023	organized by College of Nursing, All India Institute of Medical Sciences, Raipur
2.	Mrs. Joyce Joseph	Fluid Calculation	Induction training for nursing officers	20 - 15.06.2022	AIIMS, Raipur
3.	Mrs. Veena Verma	ABG interpretation	Induction training for newly joined nursing officers	21.06. 2022 24.06.22	AIIMS, Raipur
		Forensic nursing	State level workshop organized by government college of nursing Raipur (C.G.)	19.11.2022	Government college of nursing Raipur (C.G.)
		Introduction to NPCDCS programme&	NCD training workshop for nursing professionals		

		risk factors of NCD		24.01.2023, 01-14.03.2023	National Health Mission, C.G state
		Diabetes & its management	NCD training workshop for nursing professionals		
		Brest cancer, early screening & diagnosis with management	NCD training workshop for nursing professionals		
4.	Mrs. Suganya. P	Oxygen Administration	Induction Program for Nursing Officers	20 - 25.06.2022	AIIMS Raipur
5.	Mrs. Chetna Sahu	Physiology of Newborn Respiration & Care of Ventilated baby	9 th Annual Conference of IANN, Pre-conference Workshop on "Non-invasive Ventilation"	18-20.11.2022	AIIMS Bhatinda in Collaboration with Indian Association of Neonatal Nurses

ORAL PAPERS/POSTERS PRESENTED

Authors	Title	Conference	Date	Organised By
Dr.J.Jeayareka.	Effect of virtual reality therapy on anxiety and symptom distress among children with cancer on chemotherapy	for 22 nd Annual National Conference of ISPN under scientific poster presentation category.	22.01.2023	Indian society of cardiac nurses in collaboration with institute of nursing education, Goa, India.
Mrs. VeenaVerma	Script concordance approach & its usability in nursing education	International Conference on Transformation and translation in nursing education	22.02.2023	College of Nursing, AIIMS RAIPUR
	Efficacy of Glycerine-paraffin combination in comparison with mustered oil on uremic xerosis, CKD-associated pruritus & skin related quality of life	International conference on challenges in disaster & emergency response- Past, present & future (won 2 nd prize in best paper presentation)	03.02.2023	Government college of nursing Raipur(C.G.)
Dr. Solomon James M, Dr.NaliniJeyavantha Santha	The Effectiveness of intervention strategies to lifestyle modifications among hypertensive patients.	International Conference on Transformation and translation in nursing education	22.02.2023	College of Nursing, AIIMS RAIPUR
	1 st AHA certified BLS & ACLS provider course at AIIMS Raipur	BLS & ACLS provider course certified by American Heart Association	04.08.2022 to 06.08.2022	Department of anesthesiology, AIIMS Raipur & American Heart Association
	SIMULUS-7 – Conference and FDP on	Conference and Faculty	04.09.2022 to	AIIMS JODHPUR

Mr. P.D. Deepak	simulation on pediatric health care.	Development Programme	06.09.2022	
	WORLD COPD DAY – “Your lungs for life”	Mega screening camp	16.11.2022	Department of pulmonary medicine, AIIMS Raipur
	HUMAN FACTORS IN PEDIATRIC SIMULATION: CREATING SAFER CARE.	Virtual International symposium	29.11.2022	AMEDCO LLC & IPSS
Mr. Jayavel M, Dr. J Jeayareka	Home remedies practiced among the parents of children in the age group 5 to 15 years for the prevention and treatment of Acute respiratory infection attending Pediatric OPD and Immunization clinics of AIIMS Raipur with a view to formulate an Ayurvedic based self-instructional module	Transformation and translation in nursing education	22.02.2023	College of Nursing, AIIMS RAIPUR
Verma C, J. Jeayareka, Annamreddi L, Pooja Kumari, Jose P, Nath P et al.	“A study to assess the effectiveness of health awareness programme on knowledge regarding ill-effects of passive smoking on children among residents of selected areas of Raipur C.G.”	First International conference on “Transformation and Translation In Nursing Education- New Era, New Insight”	22 - 23.02.2023	College of Nursing, AIIMS Raipur
NirupamNisha Sahu, Dr. Richa Chaudhari and Dr. Jaya Gawai	Efficacy of modified Betty Neuman Nursing Theory to develop evidence based Pandemic care pathway for preadolescents in the school- A pilot study	Transformation and Translation in Nursing Education- New Era, New Insight	22- 23.02.2023	College of Nursing, AIIMS Raipur
NirupamNisha Sahu, J. Jeayareka,	A descriptive Study to assess The knowledge of Caretakers and With a view to Develop and Distribute Informational Booklet on rights Of mentally ill Patients at Psychiatric ipd And opd of aiims Raipur hospital	Transformation and Translation in Nursing Education- New Era, New Insight	22- 23.02.2023	College of Nursing, AIIMS Raipur
Mrs. Chandramani	Home Remedies for	International	03.02.2023	Govt. CON, RAIPUR

	COVID -19 Prevention	workshop		
Mrs. Jissa Donel	Prevalence of Premenstrual Syndrome among adolescent girls	Annual Conference of ISPN held Directorate of Health Services, Goa	23.02.2023 - 27.02.2023	ISPN, India
Rohisha IK	COVID-19 Related Psychological Distress (CORPD) among middle-aged adults. (Prerecorded Session)	First International Nursing and Midwifery Conference	22.12.2022	Bahrain Nursing Society, Kingdom of Bahrain

RESEARCH

Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Assessment of the effectiveness of awareness program on knowledge and prevention of Hand Foot and Mouth Disease among parents of under five children in selected areas of Raipur.
2.	An assessment of prevalence of Mental illness and satisfaction among patient attending telemedicine mode of treatment at Department of Psychiatry, All India Institute of Medical Sciences, Raipur C.G.
3.	Assessment of Emotional Intelligence among newly joined Nursing Officers working in All India Institute of Medical Sciences, Raipur
4.	Lived experiences of family member of individuals with schizophrenia in a tertiary care centre. Assessment of knowledge and attitude towards HPV vaccination among college students
5.	A study to assess the Dietary habits and Mental health among undergraduate students (>18 years) at selected colleges in Raipur - Principal Investigator
6.	A Cross-sectional study to assess the Compulsive buying behavior and Anxiety among working women at AIIMS Raipur – Co-Guide
7.	A study to assess the patients attendant's satisfaction of patient care in critical care units in All India Institute of Medical Sciences, Raipur
8.	Effectiveness of breastfeeding skill training program on breastfeeding skills and self-efficacy of primiparous mothers admitted in postnatal wards of AIIMS Raipur
9.	A study to assess the awareness, utilization and perceived barriers in adoption of family planning methods among women of reproductive age group at Selected settings of Raipur.
10.	Risk of fall among elderly admitted in selected wards of a tertiary care hospital, Raipur, Chhattisgarh.
11.	Assessment of knowledge and attitude regarding antibiotic use and antibiotic resistance among nurses working in wards and ICUs of All India Institute of Medical Science, Raipur.

Completed

S. No.	Project
1.	Assessment of behavioral problems in children aged 5-15 years with nephrotic syndrome attending pediatric OPD of AIIMS Raipur
2.	A comparative study to assess the adaptive Behavior among typically developing Children and children with disability at Selected settings of Raipur
3.	Knowledge & Attitude towards Home remedies for COVID -19 prevention among people aged (30-60 years)
4.	A study to assess the Effectiveness of Educational Interventions on knowledge regarding Patient Safety among nursing students of AIIMS Raipur

5.	A study to assess the effectiveness of mindfulness interventions on psychosocial wellbeing of couples undergoing infertility treatment in AIIMS, Raipur- Dr. Hitesh Choudhary, Dr. J. Jeayareka
6.	A study to assess the prevalence of bullying victimization among 1st year college students at selected Colleges in Raipur. -Co-Guide
7.	A study to assess the effect of Emotional adjustment problem faced by B.sc nursing 1st year intelligence on students in selected college, Raipur, Chhattisgarh. -Guide

Collaborative Projects

Ongoing

S.No.	Project	Collaborating Department/Institution
1.	An experimental study to develop monitoring device for predicting internet addiction based stress, anxiety and depression among young adults in selected colleges with NIR Ear EEG sensor based wearable device.	Dr. Nandhini Pondicherry university –puducherry Dr. N.R. Shanker Aalim Muhammed Salegh engineering college - chennai
2.	Women's choice of different birthing positions during labor and lived experiences of mothers who delivered in alternative birthing positions .	Ph.D Project Under Indian Nursing Council Consortium

PUBLICATIONS

1. **Dr. Binu Mathew**, Effectiveness of Psychological intervention package on anxiety and wellness level among patients with anxiety disorders Journal of Family Medicine and primary care – Wolter Kluwer Medknow 2022; 11:6704-13.
2. **Jayavel M, Binu Mathew**, Pooja Bhakar, Pooja Gupta, Patricia Joseph, Pooja Yadav, A Study to 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): January - March, 2023.
3. **Rohisha IK, Jissa D, Jibin M, Binu M.** Stressors, and coping strategies among frontline nurses during COVID 19 pandemic. Journal of Education and Health promotion 2023; 12:109.
4. Remiya M, Vandana P, Kumar A, P Gangadevi, **Joseph J**, Kurien N, S K Mohanasundari. Anxiety among adolescents during COVID-19 pandemic: a cross sectional study. International Journal of Community Medicine and Public Health. Oct 2022, 9(10),3757-62.
5. Remiya M, Vandana P, Kumar A, P Gangadevi, A D Goel, **Joseph J**, Kurien N. Acceptance and attitude of parents regarding COVID 19 Vaccine for children: A cross-sectional study. CUREUS, 14 (4), April 2022.
6. **Panneerselvam S**, Ramasamy S. Capgras syndrome: An overview. TNNMC Journal of Mental Health Nursing. 2022;10(2):30-3.
7. RAMASAMY S, FRANKLIN J, GOVINDHARA P, **PANNEERSELVAM S**. The effect of core training on dynamic balance and strength endurance in junior field hockey players. Baltic Journal of Health and Physical Activity, 2022;14(4):7.
8. **Panneerselvam S**, Ramasamy S. Thought-Field Therapy: A Best Natural Technique for Psychotherapy. Indian Journal of Mental Health. 2022; 9(4):411-414.
9. **Panneerselvam S**, Ramasamy S. Psychiatric nursing: A specialty in greater demand. Journal of Integrative Nursing, 2023 Jan 1;5(1):73.

Abstracts Published in Journal(s):**Dr. J. Jeayareka**

J.Jeayareka, Dr.K.Raman, Dr.Lokeshkumarsingh, Dr.Thushar Bharat jagzape, "Chemotherapeutic drugs induced symptom distress among pediatric cancer patients". International Journal of life science and pharma research. 2022, VOL 12(4), PN 1-7 (web of science)

Mrs. Chandramani Sahu

Case Report published in the International Conference, Organized by AIIMS RAIPUR, Tital Psychogenic Polydipsia.

Mrs. Jissa Donel

Rohisha IK, Jissa D, Jibin M, Binu M. Stressors and coping strategies among frontline nurses during COVID-19 pandemic. Journal of Education and Health Promotion. 2023 Jan 1;12(1):109.-(Pubmed Indexed)

Mrs. Rohisha I.K.**Chapter in Book**

Rohisha IK, Jissa D, Jibin M, Binu M. Stressors and coping strategies among frontline nurses during COVID-19 pandemic. Journal of Education and Health Promotion. 2023 Jan 1;12(1):109.-(Pubmed Indexed)

Ms. Ritika Rocque

RitikaRocque, Binu Mathew, SumanKumari, SwetaYadav, TanushreeKundu, Yamini Arya, Yashika Sharma. Effectiveness of Educational Intervention on Knowledge regarding patient Safety among 2nd and 3rd year nursing students of AIIMS Raipur.

International Journal of Nursing Education and Research. 2023; 11(1):75-8. DOI: 10.52711/2454-2660.2023.00016

1. Rohisha IK, Jissa D, Jibin M, Binu M. Stressors, and coping strategies among frontline nurses during COVID 19 pandemic. Journal of Education and Health promotion 2023; 12:109.

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	(Introduction to Pathology), Cell Injury and Cellular Adaptation, Inflammation and Wound Healing, Neoplasia, Respiratory System, Cardiovascular system, Gastrointestinal system		TEXT BOOK OF PHARMACOLOGY & PATHOLOGY FOR NURSES	2	New Delhi	Jaypee Publishers	2022	325-360 375-422

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. J. Jeayareka

1. Received felicitation and award for organizing healthy volunteer blood donation camp at private colleges at Raipur from AIIMS Raipur C.G, on account of World blood donation day 2022 on 14th June 2022.
2. Best paper award for the scientific paper on "A study to assess the most frequently used complementary alternative medicine and home

remedies for health promotion during covid 19 pandemic by general population attending various OPDs of AIIMS Raipur" at the International workshop on 'Challenges in Disaster Response and Emergency Management' , organized by the state government college on 3rd Feb 2023.

Mrs. Chandramani Sahu

2nd best paper awarded for the Oral Paper Presentation in the International Workshop organized by GCON, RAIPUR.

Department of Anatomy

Additional Professor & Head of the Department

Dr. K. Vijaya Kumar

Additional Professors

Dr. Soumitra Trivedi

Dr. Mrithunjay Rathore

Dr. A. U. Siddiqui

Dr. Manisha B Sinha

Associate Professor

Dr. Amit Purushottam Tirpude

Assistant Professors

Dr. Dharam Singh Rathia

Dr. Rahul K Ukey

HIGHLIGHTS

Inauguration of Genetics Lab- with Dr K Vijaya Kumar as Chairman of lab. The Seventh Edition of Gross & Microanatomy Practical Manuals authored by the HoD and colleagues had been provided to 1st year MBBS students of 2022 batch. Workshop on Yoganotome 2023 with theme of "Biomechanics of yoga asanas". Seminar on World Anatomy day 2023 on 15.01.23.

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. Project works by some faculty are continue. 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.	Yoganotome 2023 with Theme of "Biomechanics of Yoga Asanas"	Conference & workshop	04-05.02.2023	Department of Anatomy, AIIMS, Raipur
2.	Scientific aspect of Common Yoga Protocol	CME	04.05.2022	Atal Bihari University Bilaspur
3.	World Anatomy Day-2023	Syrnposia on World Anatomy day	15.10.2022	Department of Anatomy AIIMS, Raipur
4.	Cadaveric Ultrasound Regional Anesthesia	Workshop	09-10.04.2022	Department of Anesthesia and Department of Anatomy.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Soumitra Trivedi:

S. No.	Title	CME/Conference	Date	Organised By
1.	Guest lecture on "Anatomical Planes and movements"	Conference & workshop	04 - 05.02.2023	Department of Anatomy, AIIMS, Raipur
2.	Guest lecture on "Axial and Appendicular skeleton"	Conference & workshop	04 - 05.02.2023	Department of Anatomy, AIIMS, Raipur

Dr. Mrithunjay Rathore:

S. No.	Title	CME/Conference	Date	Organized By
1.	Scientific Aspect of Common Yoga Protocol	CME	04.05.2022	Atal Bihari University Bilaspur
2.	Yoga Anatomy Workshop	YOGANATOME-23	04.02.2023	Department of Anatomy, AIIMS Raipur

Dr. Manisha B Sinha:

S. No.	Title	CME/Conference	Date	Organized By
1.	Dr Manisha B Sinha	Walkthrough Cytogenetic Lab	15.10.22	AIIMS, Raipur
2.	Dr Manisha B Sinha	Microteaching: An Important Vehicle of Teacher Training	29.11.22	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

Dr. Amit P Tirpude:

1.	Dr. Amit Purushottam Tirpude	The Impact of Periodic Formative Assessments on Learning Through the Lens of the Complex Adaptive System and Social Sustainability Principles	Bihar and Jharkhand Chapter Anatomical Society of India	07- 08.10.2022
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Dr. Dharam Singh Rathia

1.	Dr. Dharam Singh Rathia	Research Trends in 3D Printing and Human Anatomy – Systematic Literature Review and Bibliometric Review	Govt Doon Medical College Dehradun UK	27.05.2022
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RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned
1.	Karyotyping: as a good tool for screening of chromosomal disorder	Dr. Manisha B Sinha	AIIMS, Raipur	1:5years	2022	Rs. 5,00,000
2.	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.	Dr. Rahul Kisan Ukey	AIIMS RAIPUR	1 year, with extension of 1 year	Start year-2022	Rs. 5,00,000
3.	Creation of 3D Printed Anatomical Models of Clinically Essential Regions of the Upper & Lower Limb and Assessment of Improvement in Learning using these models after Anatomical Teaching.	Dr.Dharam Singh Rathia	Intramural AIIMS Raipur	2 years	2021-2023	Rs. 5,00,000

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Study of Endoscopic Advantage Over Conventional	Dr. Soumitra Trivedi	Intramural (AIIMS, Raipur)	1 year	2020	5,00,00

	Approach for Teaching by Dissection of Nose-PNS and Anterior Skull Base					
2.	Effect of Selected Yogic Postures on Core Muscles and its Correlation with Degenerative Disk Disease without Neurological Deficit	Dr. Soumitra Trivedi	Intramural (AIIMS, Raipur)	1 year	2021	5,00,000
3.	Impact of selected Yoga Postures on Core Muscle in Degenerative Disk Disease without Neurological Deficit	Dr. Mrithunjay Rathore	AIIMS Raipur	01 year	2022-23	5 Lakh
4.	Study on the Efficacy of Visual Empowerment Technique and the Effect of a Histology Testing Tool (HTT) in the Teaching of Histology	AU Siddiqui	AIIMS Raipur	2	2021-2022	5 Lack

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

Ongoing

S. No.	Project
1.	Endoscopic Cadaveric study of Surgically Significant Anatomical Landmarks for Endoscopic Paranasal Surgeries
2.	To Study Neck Muscle Activity and Cranio Vertebral Angle in Neck Pain Subject among Computer Operator of AIIMS Raipur
3.	Clinico-Biochemical Profile and Karyotyping in Disorders of Sex Development
4.	A Study Of Online Open Book Test Of Undergraduate Medical Students To Increase Conceptual Thinking
5.	Myoelectric Activity of Core Muscle and Limb Muscle in different Yoga Pose and its Clinical Implication
6.	Perceptions and Benefits of Teaching Cross-Sectional Anatomy by Anatomage Table to First Year

	Medical Students of AIIMS Raipur
7.	A Study on Coronary Collaterals and their Impact on Ejection Fraction

Completed

S. No.	Project
1.	Study of Endoscopic advantage over conventional approach for teaching by dissection of Nose- PNS and Anterior skull base
2.	Assessment of percentage body fat by using ultrasound techniques in adult Indian males
3.	A study of online open book test of undergraduate medical students to increase conceptual thinking
4.	The effectiveness of employing the Anatomage table as a learning adjunct to osteology training in first-year medical students

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Impact of Yoga on Quality of Life of End-stage Renal Disease Patients on Maintenance Hemodialysis- A Mixed Method Pilot Study	Department of Nephrology
2.	Therapeutic Efficacy of Yoga on Biochemical Profile, Anxiety and Sleep Quality Index of Asthmatics: A Randomized Controlled Trial	Department of Pulmonary Medicine
3.	Effect of Mindful-guided Meditation on Cardiovascular Autonomic and Cognitive Function in patients of Generalized Anxiety Disorders	Department of Physiology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Assessment of percentage Body Fat by using Ultrasound Techniques in Adult Indian Males	Department of Physiology, Anatomy & CTVS, AIIMS Raipur. Department of Physical education, Pt RSS Univeristy Raipur

PUBLICATIONS

- Ahmed Al-Imam, Marek M. Motyka, Ashok Sahai, **Vijay K. Konuri**. The "March of Progress": From Cosmic Singularity to Digital Singularity. *Current Trends in Information Technology*. 2020; 10(1): 1–8p
- A. Al-Imam; I. T. Abdul-Wahaab **V. K. Konuri**; A. Sahai A. K. Al-Shalchy. Unification of frequentist inference and machine learning for pterygomaxillary morphometrics *Folia Morphol* 2021;80(3):625-641
- John, M. R.; Sharma, D. K.; Poonuraparampil, J. A.; **Konuri, V. K.** A study on the advantages and disadvantages of the online teaching program conducted in the Department of Anatomy, AIIMS, Raipur – students' perspective *National Journal of Clinical Anatomy*;10(1):10-16,
- 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.
6. **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
 7. 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 (Nontraumatic). *Nat J Clin Anat*. 2023;12(1):15-19
 8. **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
 9. **Rathore M**, Verma Meghnath, Nirwan Mohit, **Trivedi S**. Functional connectivity of prefrontal cortex in various meditation techniques- A Mini - Review. *Int J Yoga* 2023;15:187-94
 10. **Rathore M**, Verma M, Abraham J, Dada Rima, Kumar M. Impact of " Yoga based lifestyle intervention" and its applications on health and Disease. *Int Res J of Ayur & yoga*. 2023; 6(1), 64-73.
 11. **Rathore M**, Gupta C, Agarwal N, Jayamohan M. Correlation of functional anatomy of hip musculature with yogic postures- narrative review. *Indian journal of clinical anatomy and physiology*. 2022;9(4):1-5
 12. **Rathore M**, Vijayakumari J, Jaiswal G, Mankotia Shikha. Functional anatomy of hamstrings muscle and its correlation with the various yogic posture: A narrative review. *Int j Anat Res* 2022, 10(4):8489-95.
 13. Dimensions of bony Kambin's triangle pertaining to endoscopic procedure **Sinha MB**, John M R, Poonurampampil J A, Sinha H P. *MJAFI (Pubmed) Online* from 21.2.23.
 14. **Sinha M B**, Sahay S. Health and hygiene in pubertal girls of Chhattisgarh: Knowledge, attitude, and practices. *Indian J Clin Anat Physiol* 2023; 10(1); 32-36.(open access).
 15. Singh S, Al-Imam A, Singh S, **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 05; 11(B):252-258. <https://doi.org/10.3889/oamjms.2023.10094>
 16. Jain M, Sable M, **Tirpude AP**, Sahu RN, Samanta SK, Das G. Histological difference in ligament flavum between degenerative lumbar canal stenosis and non-stenotic group: A prospective, comparative study. *World J Orthop* 2022; 13(9): 791-801

Dr. Dharam Singh Rathia

- ❖ 3D Printing and Its Application in Human Anatomy Education - Weser publication, Page 25-33

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr K Vijaya Kumar

Chairman, Genetics Laboratory, AIIMS, Raipur

The lab was inaugurated recently. It took some time to establish the laboratory, as it is the first of its kind in this institute. The department is starting a Masters and a Doctorate course in Medical Genetics

Dr. Soumitra Trivedi:

1. Teaching of anterior skull base, nose & paranasal sinuses endoscopically and surgical anatomy of middle and inner ear in relevance to cochlear implant surgeries
2. Endoscopic teaching of anterior skull base, nose & paranasal sinuses, teaching through self-made charts & models and made cross word quizzes for students

- 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. Mrithunjay Rathore:

- Nominated as Secretary of Indian Yoga association, Chhattisgarh (IYACGP)-2022.
- Received the appreciation letter from the Hon Prime minister of India in the chapter entitled "Anatomical, physiological & psych neurochemical aspect of asana, pranayama and meditation in cardiovascular disorders" springer nature book: BasuRay_ The principle and practice of yoga in cardiovascular medicine_87015172
- Online Yoga anatomy training for Latin American, Southeast Asian countries and the Indian community.

Dr. Manisha B Sinha:

- Organizing secretary** of seminar on "world Anatomy day and inauguration of Cytogenetic lab" at AIIMS, Raipur on date 15.10.22.
- Awarded **Fellowship by International Academy of medical Sciences**, In convocation IMSACON 2022 held from 18-19th Nov 2022.
- Achieved Appreciation award for contribution in 9th Edition of BD Chaurasia HUMAN Anatomy from CBS publication
- Chairperson** for a scientific session in BMSeCON2022 (3rd International e-Conference) organized by Department of Anatomy Biochemistry, physiology, AVMCH, Puducherry, India held on 17-19th Nov 2022.

Dr. Amit P Tirpude:

- First prize for paper** - The Impact of Periodic Formative Assessments on Learning Through the Lens of the Complex Adaptive System and Social Sustainability Principles at Bihar and Jharkhand chapter of Anatomical Society of India, held at Siliguri West Bengal.

Department of Anaesthesiology

Professors & Head of the Department

Dr. Nandkishore Agrawal

Professors

Dr. Subrata Kumar Singha

Dr. Monica Khetarpal

Additional Professor

Dr. Rashmi Dubey

Dr Rampal Singh

Associate Professors

Dr. Mayank Kumar

Dr. Sarita Ramchandani

Dr. Habib Md R. Karim

Dr. Chinmaya Kumar Panda

Dr. Mamta Sinha

Dr. Pradeep Khobragade

Assistant Professor

Dr. Jitendra Kalbande

HIGHLIGHTS

Over the past year, the Department of Anaesthesiology has witnessed a remarkable increase in the number of cases performed with more than 20% yearly. This growth can be attributed to the department's commitment to 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 organized AHA-accredited ACLS & BLS training to emphasize the importance of detecting and managing witnessed and unwitnessed cardiac arrest.

The department organized CME and Workshop on Cadaveric Ultrasound regional anesthesia.

Department of Anaesthesia, in collaboration with the Chhattisgarh chapter of ISA, organized a hands-on workshop on Regional Anaesthesia, Difficult Airway, during the annual state conference CG ISACON 2022.

In addition, the Department initiated a Ventilatory Therapy Certificate course for Clinical Specialties of AIIMS Raipur, as an initiative to be prepared for an unforeseen and unprecedented calamities like the COVID-19 pandemic.

Department organized ETHER day to make aware of history of anesthesia.

The department-initiated anaesthesia services for NORA- Non Operative room Anaesthesia for the Department of Psychiatry (ECT) and Radiology.

The department has introduced a specialized Interventional Pain Medicine unit, catering to patients suffering from chronic pain conditions. This addition has improved the quality of life for many patients and contributed to the department's comprehensive approach to pain management. The department procured a Ozone generator, which has helped in treatment of various pain conditions through minimal access techniques. Altogether of 3138 patients benefitted from the services of pain medicine OPD and 236 patients underwent minimally invasive Pain interventions.

EDUCATION

Post Doctoral Certificate Courses (PDCC) in three new specialties, i.e. Pediatric anaesthesia, Obstetric anaesthesia and Oncoanaesthesia have been initiated, in addition to the existing Cardiac anaesthesia, Neuroanaesthesia, Pain Medicine and Critical care.

The department's postgraduate students have continued to excel in national-level quiz competitions such as winning accolades in the "Quizzeria 2023- Battle of the brains- National Anaesthesiology Quiz in Guwahati", further enhancing AIIMS Raipur's reputation in the field of anaesthesiology. The department has

consistently produced excellent results in the DM Entrance examination across various

Superspecialty of Anaesthesia, in INI as well as NEET-SS examinations.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof.(Dr.)Nandkishore Agrawal

S.No.	Title	CME/Conference	Date	Organized By
1.	Peri,Operative Management of Diabetes	2022 World Critical Care &Anesthesiology Conference, Bangkok Thailand	09-10.09.2022	EPISIRUS SCIENTIFICA, Bangkok Thailand

Dr. Subrata Kumar Singha

S.No.	Title	CME/Conference	Date	Organized By
1.	Hemodynamic Calculations Using Echocardiography	2 nd ABC Echocardiography Workshop	29.07.2022	AIIMS Bhubhneshwar
2.	Ant fibrinolytic In Cardiac Surgery – Recent Updates	IACTACON	17.02.2023	Jodhpur
3.	One Lung Anaesthesia Workshop	IACTACON	16.02.2023	Jodhpur
4.	Competencies Of A Medical Postgraduate	MEU	11.03.2023	MEU, AIIMS Raipur

Dr. Mayank Kumar

S. No.	Title	CME/Conference	Date	Organized By
1.	Anaesthesia for laparoscopic surgery in children	CGISACON	25.09.2022	CG ISA
2.	USG guided Upper limb, Lower limb, Abdominal & Truncal blocks	16th Asian and Oceanic Society of Regional Anaesthesia and Pain Management Conference & 12th Academy of Regional Anaesthesia of India International Congress at Mumbai	29.09.2022 –02.10.2022	ARRAIC Mumbai
3	Perioperative Fluid Therapy in Paediatric Patients	ISA NATIONAL ONLINE PG CLASSES	02.01.2023	ISA National

Dr. Sarita Ramchandani

S.No.	Title	CME/Conference	Date	Organized By
1.	Cardiac Arrest Associated with Pregnancy - AHA 2020 updates.	CGISACON 2022 17 th Annual Conference of CG-ISA	25.09.2022	ISA, Raipur

Dr. Habib Md R. Karim

S.No.	Title	CME/Conference	Date	Organised By
1.	Opioid Free Anaesthesia Implementation: Barriers and Remedies	CG-ISACON 2022	25.09.2022	ISA-CG branch and AIIMS Raipur
2.	Introduction to simulation based TTE	ISACON National 2022	23.11 2022	ISA-Shillong &NEIGRIHMS, Shillong

3.	Hypotension Prediction Index	ISACON National 2022	23.11.2022	ISA-Shillong & NEIGRIHMS, Shillong
4.	Top-5 of 2022 in Critical Care	ISACON National 2022	23.11.2022	ISA-Shillong & NEIGRIHMS, Shillong
5.	NIV and HFNC use for COPD	BMV-CPR 2022	08.10.2022	AIIMS Raipur
6.	Supraglottic Airway Devices: The Game changer in Airway!	National Airway Management Course	12.03.2023	AIDAA- Amaravathi and AIIMS Mangalagiri

ORAL PAPERS/POSTERS PRESENTED

S.No.	Authors	Title	Conference	Date	Organised By
1.	C Nimisha , Panda K Chinmaya, MdHabib Reazaul Karim, DawanMishal	Hyperpyrexia (108-degree F) in a post cervical spine surgery patient with COVID-19: A report	CG-ISACON 2022	25.09.2022	ISA-CG Raipur
2.	K Chandini , Md Habib Reazaul Karim, Panda, Kumar Chinmaya Akanksha Jain	Fentanyl sedation, Multi-organ Failure, and Adaptive Support Ventilation: A conundrum	CG-ISACON 2022	25.09.2022	ISA-CG AIIMS Raipur
3.	N Pharanitharan, Dey Chandan Kumar, Habib Md Reazaul Karim, P K Manu	Anesthetic challenges in pediatric patients with uncorrected Tetralogy of Fallot undergoing emergency craniotomy: Report of three cases	CG-ISACON 2022	25.09.2022	ISA-CG AIIMS Raipur
4.	Lavanya Vankdavath, Habib Md Reazaul Karim, Prateek Arora	Propofol and Vecuronium Extravasation: Can ultrasound-guided puncture and aspiration help?	CG-ISACON 2022	25.09.2022	ISA-CG AIIMS Raipur
5.	DK Nandeeshwara, Habib M R Karim, Sharma Keerty, U Prakashbabu Abhinaya	Perioperative management of cranial secondaries of follicular carcinoma of thyroid is more challenging than primary: a case report	ISACON National 2022	26.09.2022	ISA-Shillong NEIGRIHMS, Shillong

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 Observational Study	Dr. Mayank Kumar	Intramural (AIIMS, Raipur)	One Year	2022	5 Lakhs

2.	Efficacy of Real-time Feedback-based BLS Training on CPR Performance Assessed on High-Fidelity Human-Patient Simulation: A Randomized, Controlled, Pilot Study	Habib M R Karim	AIIMS Raipur	1u 6m	On process of starting work	5 lakhs
3.	Ultrasound versus Armitage Formula Guided Caudal Block in Pediatric Patients undergoing Infra Umbilical Surgery: A Randomized Single Blind Comparison of Volume Requirement	Chinmaya K Panda	AIIMS Raipur	2 years – on extension	On extension due to COVID-19 re-started	5 Lakh
4.	Incidence of Acute Kidney Injury after Non-Cardiac Major Plus Surgeries: A Prospective Assessment with NGAL and its Clinical Implications	Monica Khetarpal	AIIMS Raipur	2 years – on extension	Data collection complete	5 Lakh
5.	Comparison of effect of Total Intravenous Anaesthesia (TIVA) versus Inhalational Anaesthesia on Immune Cells in Patients undergoing Radical Cystectomy: A Prospective, Randomized Controlled Study	Dr. Mamta Sinha	Intramural (AIIMS, Raipur)	One Year	2022	5 Lakhs

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Randomized, single blind, comparison of two different flow rates of sevoflurane anaesthesia on acute kidney injury	Habib M R Karim	AIIMS Raipur	2 years	Data collection complete. Analysis ongoing	5 lakhs

Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Association between Pre-operative frailty and Post-operative Delirium in elderly patients undergoing lower limb Surgery under regional anesthesia: a prospective observational study
2.	Ultrasound-Guided sacral erector spinae plane block versus caudal epidural block for postoperative analgesia in children undergoing hypospadias surgery: Randomized controlled study.
3.	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation with intravenous morphine - a randomized comparison of four different timings.
4.	Relationship between severity of anaemia and acid base parameters - a pilot study.
5.	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.
6.	To study the correlation between body mass index and the distance from skin to lumbar epidural space under ultrasound guidance in term parturients a prospective, cross sectional, observational study.

7.	Assessment of Clinical Response and Pathological Response to Neo-adjuvant chemotherapy in locally advanced Breast Carcinoma
8.	A randomized, single blind comparison of ultrasound-guided PENG and obturator block for prevention of obturator jerk during bladder tumor resection
9.	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation with intravenous morphine: a randomized comparison of four different timings
10.	Comparison of combined adductor canal and IPACK block versus intraarticular ropivacaine and morphine and Genicular nerve block for postoperative analgesia in knee arthroscopic procedures
11.	Relationship of Perfusion Index with nil per orally duration and prediction of hypotension following spinal anaesthesia
12.	Customized versus standard fixed sized pillow for tracheal intubation in the sniffing position: A randomized study
13.	Comparison of Proseal LMA™ and Ambu® Auragain™ LMA in patients undergoing laparoscopic cholecystectomy
14.	Incidence and progression of acute kidney injury in post-COVID-19 patients: An observational study
15.	Analgesic and Recovery profile comparison of Ketamine, Lignocaine, and Dexmedetomidine versus Fentanyl-based anaesthesia for Laparoscopic Renal Surgeries: A randomised, single-blind, pilot study. (KeLiDex study)
16.	Postoperative analgesic effect of caudal ropivacaine versus ropivacaine with nalbuphine in infra-umbilical pediatric surgeries: A randomized, double-blind, Pilot study
17.	Comparison of efficacy of combined PENG and LFCN block with combined L-ESP and LFCN block for postoperative pain relief in hip surgeries
18.	Correlation of Delta Mean Platelet Volume with Delta Procalcitonin Level with Antibiotic Therapy in Sepsis and Septic Shock Patients. A Clinical Study
19.	A randomized, single blind comparison of ultrasound-guided PENG and obturator block for prevention of obturator jerk during bladder tumor resection
20.	A prospective observational study of the relationship between peripheral perfusion index and core body temperature during general anaesthesia.
21.	Association between Pre-operative frailty and Post-operative Delirium in elderly patients undergoing lower limb Surgery under regional anaesthesia; a prospective observational study.
22.	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
23.	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

Completed

S. No.	Project
1.	A randomised prospective single blind pilot study to compare the analgesic efficacy of thoracic epidural block and erector spinae plane block in breast cancer surgery
2.	A randomized prospective, double-blind comparative study to assess the analgesic efficacy of Ultrasound-guided Erector Spinae Plane block versus port site infiltration in laparoscopic cholecystectomy
3.	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."
4.	Comparison of ultrasound guided transverses abdominis plane block (TAPB) versus erector spinae plane block (ESPB) for analgesia after caesarean delivery - a randomized, open label, parallel group clinical trial.
5.	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 trail.

6.	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.
7.	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.
8.	Role of internal jugular vein (IJV) collapsibility Index to predict post spinal hypotension in pregnant women undergoing cesarean section, a prospective observational study.
9.	Study of Epidemiological, Clinical and Pathological Profile of Breast Carcinoma in patients cohort from AIIMS Raipur.
10.	Relationship of ROX and Modified ROX index with High Flow Nasal Cannula oxygen therapy in COVID-19 patients: An observational study
11.	Relation of absolute nil-per-oral status with inferior vena cava collapsibility index and post-spinal hypotension in Infra-umbilical surgeries: an observational study
12.	Difficult Spinal-Arachnoid Puncture (DSP) Score: Development and Performance Analysis.
13.	Predictors of Failed Spinal Arachnoid Puncture Procedures: An Artificial Neural Network Analysis.
14.	Comparison of Lignocaine and Dexmedetomidine on attenuation of cough reflex and hemodynamic response during tracheal extubation after supratentorial tumor surgery: A Randomized controlled study
15.	A prospective, randomized double-blinded study to compare Phenylephrine and Norepinephrine infusion to prevent hypotension following Subarachnoid block in patients undergoing Caesarean delivery
16.	Radial arterial cannulation by Ultrasound- guided Dynamic needle tip positioning using short axis out of plane approach vs Ultrasound guided Long axis in-plane approach; A Prospective Randomized Controlled trial.
17.	Role of Internal jugular vein (IJV) collapsibility index to predict post spinal hypotension in pregnant women undergoing cesarean section: a prospective observational study

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Association of Serum C-reactive Protein with Postoperative Delirium among Patients undergoing Major Abdominal Surgeries: A Observational Study	Dept of Psychiatry, Dept of Biochemistry

Completed

S. No.	Project	Collaborating Department/Institution
1	Perioperative Outcome and all-cause In-Hospital Mortality of COVID-19 associated Occulo-Rhino-Cerebral Mucormycosis: An Observational Study	ENT and Head & Neck Surgery

PUBLICATIONS

- NK Rao, RP Arora, P Dange, NK Agrawal, S Harish, N Nagarkar. Artificial intelligence in predicting the tracheostomy and extubation following oral cancer surgery: Indian Journal of Surgical Oncology (IJSO-D-23-00086)
- Arora P, Mujahid OM, Singha SK. Non-Hodgkins lymphoma masquerading as a right atrial mass. Ann Card Anaesth 2023; 26:209-10.
- Panda CK, Singha SK, Karim HR, et al. Practices During Intubation in COVID-19 Intensive Care Units in India: A Cross-Sectional Questionnaire-Based Survey. Cureus2023; 15(1): e34424. DOI 10.7759/cureus.3442

4. Borkar N, Sharma C, Francis J, Kumar M, Singha SK, Shukla A. Applicability of the Broselow Pediatric Emergency Tape to Predict the Size of Endotracheal Tube and Laryngeal Mask Airway in Pediatric Patients Undergoing Surgery: A Retrospective Analysis. *Cureus* 2023;15(1): e33327.
5. Kalbande JV, Deotale KD, Singha SK, et al. A Rare Case of Giant Occipital Encephalocele with Thoracic Myelomeningocele: An Anesthetic Conundrum. *Cureus* 2022; 14(9): e29602. DOI 10.7759/cureus.29602.
6. Borkar N, Sharma C, Mohanty D, Singha SK. A Systematic Review and Meta-Analysis of Harmonic Scalpel Versus Conventional Techniques of Appendiceal Stump Closure in Laparoscopic Appendicectomy. *Cureus* 2022; 14(9): e28759. DOI 10.7759/cureus.28759
7. Dantis K, Mehsare PS, Singha SK, Gupta N. Transthoracic Migration of a Foreign Body into the Diaphragm from the Gunshot Injury and Its Management in a Child: A Case Report. *Surg J (NY)* 2022;8: e224–e226.
8. Karim HMR, Hadda V, Singha SK, Irena Sarc, et al. Role of Sedation and Analgesia during Noninvasive Ventilation: Systematic Review of Recent Evidence and Recommendations. *Indian Journal of Critical Care Medicine* 2022;26(8):938-948.
9. Sashank A, Shingade GS, Yogesh Nene, Singha SK. Multicompartmental Giant Functional Pituitary Macroadenoma with Unexplained Refractory Dyselectrolytemias. *Journal of Neurology Research Reviews & Reports* 2022; SRC/JNRRR-172. doi.org/10.47363/JNRRR/2022(4)159.
10. Sashank A, Shingade GU, Yadav M, Singha SK. Posterior reversible encephalopathy syndrome (PRES) in a case of gastrectomy with no comorbidities. *J Anaesthesiol Clin Pharmacol.* 2022 Jul-Sep;38(3):504-506.
11. Borkar N, Sharma C, Francis J, Kumar M, Singha SK, Shukla A. Applicability of the Broselow Pediatric Emergency Tape to Predict the Size of Endotracheal Tube and Laryngeal Mask Airway in Pediatric Patients Undergoing Surgery: A Retrospective Analysis. *Cureus*. 2023 Jan 3;15(1).
12. Karoo K, Kumar M, Sinha M, Nilima N. A randomised prospective single-blind pilot study to compare the analgesic efficacy of thoracic epidural block and erector spinae plane block in breast cancer surgery. *Indian Journal of Anaesthesia.* 2022 May;66(Suppl 3):S148.
13. Khan IA, Karim HMR, Panda CK, Ahmed G, Nayak S. Atypical Presentations of Myocardial Infarction: A Systematic Review of Case Reports. *Cureus*. 2023 Feb 26;15(2):e35492. doi: 10.7759/cureus.35492.
14. Shah PJ, Sahu S, Sharma R, Karim HMR. Predicting and evaluating pain after surgery...Newer methods to the rescue? *Indian J Anaesth.* 2023 Feb;67(Suppl 2):S77-S80. doi: 10.4103/ija.ija_65_23.
15. Bharadwaj A, Neema PK, Karim HMR, Borthakur MP, Khetarpal M. A Holistic Approach to Managing Secondary Dysphagia Following Prolonged Intubation and Tracheostomy: A Case Report. *Cureus*. 2023 Feb 4;15(2):e34620. doi: 10.7759/cureus.34620.
16. Karim HMR, Bhakta P, O'Brien B. Liposomal Bupivacaine versus Dexamethasone: Comment. *Anesthesiology.* 2023 Feb 1;138(2):228. doi: 10.1097/ALN.0000000000004409.
17. Goth A, Karim HMR, Yunus M, Chakraborty R, Dey S, Bhattacharyya P. Effect of Postoperative Anesthesiologists' Single Visit on Patient Satisfaction: A Hospital-Based Non-Randomized Study. *Cureus*. 2023 Feb 1;15(2):e34518. doi: 10.7759/cureus.34518.
18. Bhattacharya D, Bhakta P, O'Brien B, Karim HMR, Esquinas AM. Letter to the editor: "Clinical characteristics, physiological features, and outcomes associated with hypercapnia in patients with acute hypoxemic respiratory failure due to COVID-19—insights from the PRoVENT-COVID study". *J Crit Care.* 2023 Feb;73:154177. doi: 10.1016/j.jcrc.2022.154177.

19. Panda CK, Singha SK, Karim HMR, Mishra M. Practices During Intubation in COVID-19 Intensive Care Units in India: A Cross-Sectional Questionnaire-Based Survey. *Cureus*. 2023 Jan 31;15(1):e34424. doi: 10.7759/cureus.34424.
20. Gopal PB, Karim HMR, Karthekeyan R, Raphael PO, Tiwaskar S, Vaidyanathan R. Recent advancements in critical care: Part I. *Indian J Anaesth*. 2023 Jan;67(1):102-109. doi: 10.4103/ija.ija_1005_22.
21. Karim HR. Difficult Spinal-Arachnoid Puncture (DSP) Score: Development and Performance Analysis. *Cureus*. 2023 Jan 14;15(1):e33760. doi: 10.7759/cureus.33760.
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33. Karim HM, Esquinas AM. Computed tomography findings of pulmonary interstitial emphysema in COVID 19: Looking through the lens. *Lung India*. 2022 Sep 1;39(5):487-8.
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41. Karim HMR. Oxygen therapy using Bain's Circuit as an alternate option for moderate COVID-19 patients in resource-limited set-ups. *Healthcare in Low-Resource Settings*. 2022;10(1):9829.
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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.	Singha SK, Panda C, Sinha M.	Hypo-/hypertension.	Zirpe K, Joseph M, Sapra H, Singhal V	Manual of Neuro critical Care	First	New Delhi	Jaypee Brothers Medical Publishers	2023	101-07
2.	Singha SK, Khetarpal M, Dubey R.	Tachy-/bradycardia.	Zirpe K, Joseph M, Sapra H, Singhal V	Manual of Neuro critical Care	First	New Delhi	Jaypee Brothers Medical Publishers	2023	107-14
3.	Singha SK, Karim HMR.	Desaturation.	Zirpe K, Joseph M, Sapra H, Singhal V	Manual of Neurocritical Care	First	New Delhi	Jaypee Brothers Medical Publishers	2023	115 -17
4.	Singha SK, Kalbandhe J.	Electrocardiogram abnormalities.	Zirpe K, Joseph M, Sapra H, Singhal V	Manual of Neurocritical Care	First	New Delhi	Jaypee Brothers Medical Publishers	2023	117 -23
5.	Singha SK, Kumar M.	Cardiac arrest: advanced cardiac life support protocol.	Zirpe K, Joseph M, Sapra H, Singhal V	Manual of Neurocritical Care	First	New Delhi	Jaypee Brothers Medical Publishers	2023	123 -26

PATIENT CARE

Major OT	Minor OT
14000 (elective), and 3000 emergency cases	3000

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Mayank Kumar

1. As an organizing secretary conducted a CME & Workshop titled 'Cadaveric Ultrasound Regional Anaesthesia' at AIIMS Raipur on 09th & 10th April 2022 and conducted Regional Anaesthesia workshop in CGISACON at AIIMS, Raipur, on 24 Sept 2022.

Dr. Sarita Ramchandani

1. Certified Instructor Fundamental Critical Care Course (FCCS) Obstetrics

Dr. Habib Md R. Karim

Editor and Editorial Board Member of –

- | | |
|---|---|
| 1. BMC Anesthesiology | 8. Evidence Rater of McMaster University, Canada |
| 2. Journal of Emergency Practice and Trauma | 9. International Board Member of IANIV, Murcia, Spain |
| 3. Cureus Journal of Medical Sciences | 10. Board Professor of International Summer School of NIV, Murcia, Spain |
| 4. Emergency and Critical Care Medicine | 11. Was selected to present the TOP-5 category (Critical care) for IJA session in ISACON National 2022. |
| 5. World Journal of Critical Care Medicine | |
| 6. Indian Journal of Pain | |
| 7. Frontiers in Medicine | |

Dr. Mamta Sinha

1. As a Co-organizing secretary conducted a CME & Workshop titled 'Cadaveric Ultrasound Regional Anaesthesia' at AIIMS Raipur on 09th & 10th April 2022.
2. Conducted Regional Anaesthesia workshop in CGISACON at AIIMS, Raipur, on 24 Sept 2022.
3. Scientific secretary in CGISACON at AIIMS, Raipur on 24-25 Sept 2022

AYUSH

Medical Officers

Dr. Sunil Kumar Rai (Ayurveda)
 Dr. VikramPai (Yoga)
 Dr. Adnan Mastan (Unani)
 Dr. V. Lakshmana Kumar (Siddha)
 Dr. AshutoshTripathi (Homoeopathy)

HIGHLIGHTS

Ayurveda: Apart from regular patient consultation and Panchakarma sessions at OPD, The Department of Ayurveda also conducts Ano-rectal surgeries in its minor OT setup. The Ayurveda department also runs Swarna Prashan Program (Ayurveda Immunization Program) for children, every month which is an effective immune booster for children.

Yoga: Apart 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 2022. International Day of Yoga was celebrated by the faculty and staff of AIIMS Raipur on 21st June 2022 by practicing common Yoga protocol.

Unani: Along with Unani consultation for OPD and IPD patients, various Unani therapies like cupping, leech therapy, hot fomentation (local & general), massage therapy steam therapy etc. are also being conducted. IPD facility was started by Unani Department at AIIMS Raipur. An advanced & well equipped cupping therapy section has been established and running; one of its kinds in Central India. Created awareness about Unani system & its therapies amongst general public.

Siddha: Apart from regular patient consultation and External therapies provided at OPD, the Department of Siddha also admitted in-patients in our AYUSH IPD on Day care basis. The Department celebrated 6th Siddha Day – on 9th January 2023 at AIIMS, Raipur in association with

Chhattisgarh Tribal Local Health Traditions & Medicinal Plant Board (CGSMPB) Raipur, Chhattisgarh. Under the AzadiKaAmritMahotsav program on July to August 2022, consultation and free of cost distribution of the Siddha Immunity Booster Kit (AmukkuraChuranam Tablet & KabasuraKudineerChuranam) was done at AIIMS Raipur in association with National Institute of Siddha, Chennai and Central Council for Research in Siddha, Chennai to the general public and staff of AIIMS, Raipur.

Homoeopathy: The Department of Homoeopathy has been providing Homoeopathic consultation to patients and design their treatment protocols successfully since its inception 2014 and restart in 2019. Along with Homoeopathic consultation, Homoeopathic medicines are also provided to the patients free of cost. Documentation of case studies and conduction of research to enhance learning of self and others has been on going. 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.

EDUCATION:

Dr. VikramPai was Co-Guide for MPH thesis research project titled "Knowledge, Attitude & Practice of Yoga in Health care providers in AIIMS, Raipur". Dr. VikramPai presented lecture on "Beyond Exercise: Spectrum of Physical and Mental ailments prevented and managed by Yoga" to 3rd Year MBBS students on 22/07/2022 under Medical Education Unit (MEU) lecture series. Dr. Vikram Pai

presented lecture on Stress management through Yoga for PG students on 22nd April 2022 at PG Induction program (LT-4).

Unani Department provided Unani orientation and training to final year nursing students as part of their Community Health Nursing Internship. Orientation training classes for our AIIMS BSc Nursing professionals under internship

program. Guest lecture for MSc first year Nursing professionals of AIIMS Raipur.

Dr. Ashutosh Tripathi delivered Lecture 'Introduction to Homoeopathy' on 20th May 2022 as part of AYUSH Orientation Program for MPH 1st year students. Dr. Tripathi delivered Lecture on 'Lifestyle and non-communicable diseases: the role of AYUSH Systems' as Medical Education Teaching for M.B.B.S.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Qualitative research methodologies in Yoga	National Workshop on Qualitative research methodologies in Yoga	03.02.2023	Department of Yoga, CCRYN CMBIY, AIIMS Raipur
2.	Regimenal Therapies with Scientific Advancements in Hijama	5th UDMA Day	14.10.2022	Unani Drugs Manufacturers Association
3.	Lakshmanakumar V	Human Body and their Relation with Planets	21-22.04.2022	International Conference on Modern Technologies for Promoting Ancient Science (ICMPAS-2022) Hybrid Mode
4.	Basic Concepts and Recent Advances on Homoeopathic Research, Education and Clinical Practice	One-day National Conference	27.09.2022	Department of Homoeopathy, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Vikram Pai

S. No.	Title	CME/Conference	Date	Organized By
1.	Healing Through Naturopathy	Seminar on Healing through AYUSH (Online mode)	28.02.2022	Embassy of India, Hanoi, Vietnam

Dr. Ashutosh Tripathi

S. No.	Title	CME/Conference	Date	Organized By
1.	Linking Homoeopathic Research, Education and Clinical Practice-Major	One-day National Conference based on the theme 'Basic Concepts and Recent Advances	27.09.2022	Department of Homoeopathy, AIIMS Raipur

	Challenges and Possible Solutions'	on Homoeopathic Research, Education and Clinical Practice'		
2.	ADR Reporting and Signal Detection'	Awareness Programme on Pharmacovigilance for ASU & H Drugs	24.03.2023	National Institute of Homoeopathy, Kolkata

ORAL PAPERS PRESENTED NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Authors	Title	Conference	Date	Organized By
1.	Lakshmanakumar V	Human Body and their Relation with Planets	International Conference on Modern Technologies for Promoting Ancient Science (ICMTPAS-2022) Hybrid Mode	21-22.04.2022	Department of Ancient Science, Faculty of Science, Tamil University, Thanjavur, Tamil Nadu

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	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	Dr. VikramPai (Principle-Investigator)	AllMS Raipur	1 year	2023-24	1,45,000/-

Collaborative Research Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
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	Dept. of Physiology
2.	Impact of Yoga on Quality of Life of End-Stage Renal Disease Patients on Maintenance Hemodialysis - A Mixed-Methods Pilot Study	Dept. of Nephrology
3.	Effect of Yoga Therapy in Management of Post-operative Myofascial Pain in Breast Cancer Patients: A Randomized Controlled Trial	Dept. of Medical Oncology
5.	Impact of Yoga on Patients with Chronic Kidney Disease on Peritoneal dialysis - A mixed methods Pilot study	Dept. of Nephrology
6.	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, Dept. of Unani & Dept. of Homeopathy

PUBLICATIONS

Abstracts Published in Journal(s):

- Rai DSK, Mishra DV, Rai DP. Ayurveda - boon for multiple sclerosis w.s.r. to asthimajjagatavata: a case study. *International Journal of AYUSH*. 2022 Jun 6;11(3):44-51.
- 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 15(3):187-194 10.4103/ijoy.ijoy_88_22.
- Adnan Mastan, VikramPai; An Integrated Approach for the Management of Obesity: A Case Report, *Journal of Natural Remedies* (Accepted for publication), 2023.
- Adnan Mastan, Mohd. Fazil, Efficacy of Unani Treatment Regimen in the Management of Psoriasis: A Case Report, *Journal of Natural Remedies* (Accepted for publication), 2023.
- Lakshmanakumar V, Arthi G, Rathinam J, Harishanbuselvan V, Sivaraman D. Molecular docking analysis to validate the efficacy of traditional Siddha polyherbal Formulation AavaraiBhavanaiChooranam (ABC) against enzyme alpha-glucosidase for Type II Diabetes Mellitus, *TMR Integrative Medicine*, 2023 January;7:e23001.
- Harishanbuselvan V, Rathinam J, Arthi G, Lakshmanakumar V, Sushil Kumar PN. Standardization of AavaraiBhavanaChooranam - A Siddha Polyherbal Formulation, *European Journal of Pharmaceutical and Medical Research*, 2022 May ;9(6),290-294.
- Arthi G, Lakshmanakumar V, Rathinam J, Sushil Kumar PN. In-Vitro Immunomodulatory Activity Of Siddha Formulation AthimathuraChooranam (AMC) In Raw Macrophage Cell Line, *World Journal of Pharmaceutical Research*, 2022 May; 11(7): 741-746.
- Rathinam J , Arthi G , Lakshmanakumar V , Sushilkumar P N. Significance of Siddha traditional oil bath (ennaimuzhukku)-a review article, *TMR Drug Combination Therapy*, 2022 July; 4(3):12.
- Arthi G, Lakshmanakumar V, Sushil Kumar PN, Rathinam J. Ancient Siddha Approach Towards Mother and Child Health Care. *International Research Journal of Ayurveda & Yoga*. 2022 July;5(7):158-164.
- Arthi G, Lakshmanakumar V, Rathinam J, Sushil Kumar PN. Human Body and Its Relation With Planets Siddha Perspective. *International Journal of Ayurveda and Pharma Research* 2022 August; 10 (8):91-98.
- Sushil Kumar PN, Arthi G, Rathinam J, Geetha A, Lakshmanakumar V, Aishwarya A, Mirunaleni P, Monika T, Chaitanya, Krithika G, Akila B. *International Journal of Ayurveda and Pharma Research*, 2022 August;10(suppl 1):63-68.
- Venkatesan H, Gurumurthy A, Jayaraj R, Venkatachalam L. Antiurolithiatic activity of AavaraiBhavanaiChooranam a Siddha polyherbal formulation on ethylene glycol-induced urolithiasis in Wister albino rats. *TMR Drug Comb Ther*. 2022;4(4):19. doi: 10.53388/DCT2022019.
- Arthi G, Lakshmanakumar V, Rathinam J, Sivaraman D. Molecular docking analysis to validate the efficacy of phytochemicals of traditional Siddha herb Glycyrrhizaglabra against enzyme tyrosinase for the treatment of vitiligo. *TMR Integr Med*. 2022;6:e22032. doi: 10.53388/TMRIM20220632.
- K. Saravanasingh, Christian Gnanaraj Johnson, Ramamurthy Murugan, LakshmanakumarVenkatachalam, ArthiGuru murthy, KarthikeyanMurugesan , Ashok Gnanasekaran , PugazhandhiBakthavatchalam , MaghimaMathanmohun, Plant-Mediated Synthesis of Copper Nanoparticles of Poly Herbal Siddha Medicine VallaraiChooranam And Its Antibacterial And Biomedical Applications, *Azerbaijan Medical Journal*, 2022 December, Vol 62 (8), 2689-2701

PATIENT CARE

	OPD	IPD	Therapies	Minor OT (Ano-rectal procedures)
AYURVEDA	10,084	N.A	Panchakarma- 619	20
YOGA	1931	Psychiatry IPD- 1950	-	N.A
UNANI	1714	12	Therapeutic procedures: 1002 Dry Cupping: 615 Wet Cupping: 343 Leech Therapy: 44	N.A
SIDDHA	1490	N.A	N.A	N.A
HOMEOPATHY	7691	N.A	N.A	N.A

Awards, Honors and Special Events:

1. Dr. Sunil Kumar Rai has actively participated in TV interviews and public programs to create an awareness about Ayurveda among General public.
2. Dr. Vikram Pai participated as Chairperson in the Panel Discussion in the 5th International Conference on Naturopathy at Pune.
3. Dr. Adnan Mastan Participated in NABH training and successfully cleared Exam for NABH AYUSH Entry level Assessor course.
4. Dr. Lakshmana Kumar V successfully completed on "Basic Course in Biomedical Research" As mandated by the National Medical Commission (NMC), April-2022, Conducted ICMR & NIE, SWAYAM Central, Ministry of Education, GOI. Successfully completed on online course "Scientific Writing in Health Research" July-2022 Conducted ICMR & NIE, SWAYAM Central, Ministry of Education, GOI. Successfully completed on "2nd NABH Assessor Course for AYUSH Entry level Program (18th to 20th January 2023) Conducted National Accreditation Board for Hospitals & Healthcare Providers, Constituent Board of quality Council of India, New Delhi. Successfully completed the course on "Health Research Fundamentals" Jan - Mar 2022 (8 week course), Conducted NIE & ICMR, SWAYAM Central, Ministry of Education, GOI.

Department of Biochemistry

Professor & Head of the Department

Dr. Eli Mohapatra

Professor

Dr. Rachita Nanda

Additional Professors

Dr. Suprava Patel

Dr. Jessy Abraham

Dr. Seema Shah

Assistant Professors

Dr. Dablu Lal Gupta

Dr. Neha Rani Verma

HIGHLIGHTS

The Department had organized successfully "ACCLMPCON Pre-Conference National CME on "Tumor Biomarker-Present and Future" on 10.12.2022. The Department had organized a Webinar on "Coding and Non-Coding Genes: Genotype-

Phenotype Interaction" On 28.02.2023.

EDUCATION

The Department of Biochemistry conducted summer Internship for NIT students from 03.06.2022 to 02.07.2022 & 14- 28.06.2022

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S.No	Title	CME/Conference	Date	Organized By
1.	Coding and Non-Coding Genes: Genotype-Phenotype Interaction	Webinar	28.02.2023	Dept. of Biochemistry, AIIMS Raipur
2.	ACCLMPCON Pre-Conference National CME on "Tumor Biomarker-Present and Future	Pre-Conference National CME	10.12.2022	Dept. of Biochemistry, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Eli Mohapatra

S.No.	Title	CME/Conference	Date	Organized By
1.	Chairperson: Role of Nano-Technology in Healthcare	National CME	28.03.2023	Jointly by National Academy of Medical Sciences, New Delhi & AIIMS Raipur

2.	Guest Speaker: Next Generation Sequencing	2nd National Postgraduate update cum CME	11-13.03.2023	AMBI
3.	Guest speaker: Treatment by Hydroxyurea in SCD: Low or Maximum tolerable dose?	Symposium on "Sickle Cell disease in India" at ICMR-NIRTH, Bhopal	23-24.02.2023	ICMR-NIRTH, Jabalpur
4.	Chairperson	Yogananome 2023	04-05.02.2023	Dept. of Anatomy, AIIMS, Raipur
5.	Chairperson	Fetospectrum 2023	21-22.01.2023	Society of Fetal Medicine
6.	Guest speaker :New Vistas in Diagnosis of Inborn Errors of Metabolism – The Path Less Taken	9th ACCLMPCON 2023	07-08.01.2023	ACCLMPCON 2023 Kolkata
7.	Guest speaker: Ingress of NGS from Research to Diagnostics in the Recent Era.....through the eye of a Biochemist.	Role of Basic Medical sciences in Academia, Diagnosis and research Advancement , BMSeCON 2022	17-19.11.2022	AVMCH, Puducherry
8.	Guest of Honour.Talked on Quality Improvement in research writing	Webinar on Quality Improvement in research writing using Grammarly	22.06.2022	Bridge People
9.	Presidential Address online	National CME: Biochemistry Beyond Diagnosis : Preventive & Therapeutic Aspects and the 7th AMBI CG-State Chapter & National CME on 24th December 2022.	24.12.2022	Department of Biochemistry, Govt. Medical College, Mahasamund

10.	NIRF India Rankings 2023 for Higher Educational Institutions & Health Science Institutions	4th National Level Workshop on NIRF India Rankings 2023	21-22.12.2022	Institute for Academic Excellence (IAE) in collaboration with Collegiate Education & Technical Education Dept., Govt of Telangana.
11.	Tumor Biomarkers- Present and Future	Pre-Conference National CME 2022. Association of Clinical Chemistry & Lab Medicine Practitioners	10.12.2022	Dept. of Biochemistry, AIIMS, Raipur
12.	Resource faculty: Teaching-learning Medias (Including e-learning)	MEU Faculty Training/Workshop	30.11.2022	MEU, AIIMS Raipur
13.	Organising Chairperson	Prevention of Sexual Harassment of Women in workplace	14.10.2022	Prevention, Prohibition and Redressal Act, 2013' POSH Act

Dr. Rachita Nanda

S.No.	Title	CME/Conference	Date	Organized By
1.	Role of Nano-Technology in Healthcare	National CME	28.03.2023	MEU, AIIMS Raipur
2.	Controversies in Rheumatology and Autoimmunity	7 th International Congress on Controversies in Rheumatology and Autoimmunity	16-18.03.2023	Autoimmunity Network Member
3.	Antinuclear antibodies: the Snowflake of various Autoimmune Disease	ACBICON ODISHA 2023	25.03.2023	Dept Of Biochemistry AIIMS Bhubaneswar
4.	NIRF India Rankings 2023 for Higher Educational Institutions & Health Science Institutions	4th National Level Workshop on NIRF India Rankings 2023	21-22.12.2022	Institute for Academic Excellence (IAE) in collaboration with Collegiate Education & Technical Education Dept., Govt of Telangana.
5.	Serum Protein Electrophoresis and Interpretation	Online CME	20.12.2022	ESIC Medical College and Hospital, Hyderabad
6.	Medicine and Beyond	IMSACON 2022	18-19.11.2022	International Medical Sciences Academy

7.	IP Awareness/Training Program	National Intellectual property awareness mission	29.09.2022	Intellectual Property Office, India
8.	From Basics to Recent Advances	National Conference on Multiple myeloma	13-14.08.2022	AIIMS, Raipur

Dr. Suprava Patel

S.No.	Title	CME/Conference	Date	Organized By
1.	Disease Modifying Genetic Determinants of Cystic Fibrosis in Children: Journey through Case Series	48 th Annual Conference of Association of Clinical Biochemists of India, ACBICON 2022	24 – 26.11.2022	Association of Clinical Biochemists of India, held at International Convention Centre, ICAR, New Delhi
2.	T Cell profiling in Patients of Sickle Cell Disorder as Predictor for Clinical Outcome	9 th Annual Conference of Molecular Pathology Association of India, MPAICON 2022	06-07.08.2022	Molecular Pathology Association of India, at Narayani Heights at Ahmedabad, Gujrat

Dr. Jessy Abraham

S.No.	Title	CME/Conference	Date	Organized By
1.	Speaker: A Heritable Genetic Variant of p53 at Codon 72 (rs1042522) Predisposes to Metabolic Diseases through its Association with FTO rs9939609 Polymorphism	Workshop	12.11.2022	DST, Govt. of India at BHU, Varanasi

Dr. Seema Shah

S.No.	Title	CME/Conference	Date	Organized By
1.	Chairperson	National CME on role of Nanotechnology in Health Care	28.03.2023	Jointly by National Academy of Medical Sciences, New Delhi & AIIMS Raipur

2.	Th 17 cell Activation Assay As a Marker of Renal Involvement in SLE	49 th Annual Conference of Indian Immunology Society Immunocon	23-26.11.2022	Departments of Translational & Regenerative Medicine and Immunopathology PGIMER, Chandigarh
3.	Determinants of VOC in Sickle Cell Disease	39 th Annual Conference: IMSACON	18-19.11.2022	Terna Medical College, Hospital and Research Centre, Navi Mumbai.

Dr. D.L.Gupta

S. No.	Title	CME/Conference	Date	Organized By
1.	Cytokines; From clinical significance to Diagnostics in Post-COVID Era	ACBICON West Bengal Chapter	27-28.08.2022	Department of Biochemistry College of Medicine & JNM Hospital, WBUHS, Kalyani

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr.Prishni Gupta *	Characterization of Anti-RNP antibody positivity as observed in a tertiary care center	9th ACCLMPCON	Jan 2023	9th ACCLMPCON, Kolkata
2.	Dr.Prishni Gupta	Serological evaluation of antibody titres after vaccination against COVID-19 in a tertiary care centre	9th ACCLMPCON	Jan 2023	9th ACCLMPCON, Kolkata
3.	Dr.Shradha Verma	correlation of IL17 and IL-10 with disease activity index in SLE	AMBI-ON 2023	March 2023	AMBI-ON 2023
4.	Dr.Shradha Verma	Expression of Th 17 cells in systemic Lupus Erythematosus	49th IMMUNOCON 2022	Nov 2022	49th IMMUNOCON 2022
5.	Dr.Diksha Chandrakar	Effect of folic acid levels on natural killer cells in Sickle Cell disease patients	ACBICON 2022	24th to 26th November 2022	ACBICON 2022

6.	Dr.Diksha Chandrakar	Effect of folic acid supplementation on inflammatory markers in Sickle Cell Disease patients.	AMBICON 2022	21 to 23 July 2022	AMBICON 2022
7.	Dr.Varsha Verma	Serum IFN- γ as a biomarker for clinical severity in Sickle Cell disease	ACCLMPCON 2023	7th to 8th Jan 2023	ACCLMPCON 2023
8.	Dr.Varsha Verma	Timed interval serum methotrexate estimation. A validation profile by Syva Emit MTX assay in Beckman Coulter AU system	AMBICON 2022	21 to 23 July 2022	AMBICON 2022
9.	Dr.Prajna Parimita Jena	T lymphocyte subset as a predictive biomarker for crisis event in Sickle Cell disorder	ACCLMPCON 2023	7th - 8th January 2023	ACCLMPCON 2023
10.	Dr.Prajna Parimita Jena	Thyroid dysfunction characteristic of older patients visiting a tertiary care center in central India	ACBICON 2022	24th to 26th November 2022	ACBICON 2022
11.	Dr.Prajna Parimita Jena	Award Paper: Jagged ends on multi nucleosomal cell free DNA serve as a biomarker for nuclease activity and SLE	ACBICON 2022	24th to 26th November 2022	ACBICON 2022
12.	Dr.Prajna Parimita Jena **	A case report of rare disorder entity-Vitamin D dependent rickets type 2	2nd National Postgraduate update cum CME	11th to 13th March 2023	2nd National Postgraduate update cum CME-Online

* First prize (Oral Paper)

** Second Prize (Oral Presentation)

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.	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	4,40,000/-
3.	Hypoxia Inducible factor-1 α Gene Sequencing and Association of the Variants with Serum HIF-1 α Level	Dr. Suprava Patel	AIIMS, Raipur	01 year	2022 - 2023	Rs.500000/-
4.	Platelet Activation and Human Platelet Antigens (HPA) Polymorphism in Sickle Cell Disease	Dr. Seema Shah	Intramural	2	2021-2023	5,00,000/-
5.	Understanding the Role of miRNA in Modulating the Cellular responses of Dendritic Cells (DCs) during Post-Traumatic Sepsis and Septic Shock	Dr. Dablu Lal Gupta	SERB, DST, Government of India	Two years	27.12.2021	28,85,040/-
6.	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	Dr. Dablu Lal Gupta	AIIMS Raipur	Two Years	27.09.2021	5,00,000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	A Pilot Study to Evaluate the Changes in Venous Blood Gas Parameters in Health Care Workers on Prolonged use of Different Kinds of Masks	Dr. Eli Mohapatra	AIIMS, Raipur	10 months	2021-2022	5,00,000/-

2.	Evaluation of Antibody Titres following Vaccination against SARS-COV=2 in 18-44 Year Old Individuals visiting AIIMS Raipur; A Prospective Longitudinal Study	Dr.Rachita Nanda	AIIMS Raipur	1 year	2021-2022	5,00,000
3.	T-cell and cytokine profile in Sickle Cell Disorder in Predicting Clinical Outcome	Dr.Suprava Patel	AIIMS, Raipur	01 year	2021 - 2022	Rs.500000/-

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

Ongoing

S.No.	Project
1.	Prevalence of Thyroid Dysfunctions in Elderly Patients visiting a Tertiary Care Center of Central India
2.	Plasma mtDNA as a Biomarker in Gestational Diabetes Mellitus Risk
3.	Correlation of CX3CL1 with Immunoinflammatory Marker of Metabolic Syndrome: A Case-Control Study
4.	Expression of Plasma MicroRNA 221 and Endocan in Patient with Diabetic Peripheral neuropathy- an observational study

Collaborative Projects

Ongoing

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 AIIMS, Raipur
5.	Prevalence of Autoantibodies and Cytokines in Patients of Rheumatoid Arthritis and its Clinical Significance in Indian RA Cohort	Dept. of Medicine AIIMS, Raipur
6.	Effect of Body Fat percentage on Non Alcoholic 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.	Prevalence and Metabolic Syndrome in Tribal and Nontribal Population of Patan Block of Chhattisgarh State : A Pilot Study	Dept. of Physiology AIIMS, Raipur
9.	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-Occulsive Crisis. (CSEG101A2403)	Dept. of General Medicine Dept. of Pediatrics Dept. of Biochemistry AIIMS, Raipur
10.	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
11.	Effect of Short-term Slow Deep Breathing on Electrophysiological and Biochemical correlates of Neurocognition in Sickle Cell Disease	Dept. of Physiology AIIMS, Raipur
12.	Circadian Rhythm of Sleep-wakefulness & Heart Rate variability and its relation to Polymorphism in Asthmatic Patients	Dept. of Physiology AIIMS, Raipur
13.	ICMR Grant-in-Aid of AdHoc Research Project: Prevalence and Characteristics of Chronic Kidney Disease (CKD) in Supebada Village of Devbhog Block and Piperkhutta Village 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
14.	Evaluation of Risk Factors and Serological Determinant (Anti PGL1) in Lepra Reactions in a Tertiary Care Institute	Dept. of Dermatology AIIMS, Raipur

15.	Urine Concentrating Defect in Residents of Endemic Area of CKDU visiting AIIMS, Raipur: A Pilot Study	Dept. of Nephrology AIIMS, Raipur
16.	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
17.	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
18.	Effect of Body Fat Percentage on NAFLD and its relation with Nerve Conduction Parameters in Shift Workers	Dept. of Physiology AIIMS, Raipur
19.	Association of Serum C-reactive Protein with Postoperative Delirium among Patients undergoing Major Abdominal Surgeries: A Observational Study	Dept. of Anaesthesia AIIMS, Raipur
20.	Role of Anti-Mullerian Hormone in the Diagnosis of PCOS	Dept. of OBS &Gyn AIIMS, Raipur
21.	Assessment of Cognitive functions and its Association with Sleep-Wake pattern and Light at Night Exposure duration in COPD	Department of Physiology, AIIMS Raipur

Completed

S. No.	Project	Collaborating Department/Institution
1.	To Analyze the Erythrocyte and Platelet Storage Lesions within the Stored blood by their Microvesicle Quantification and Estimate Coagulopathy Potential of Blood Transfusions to Multi-transfused Patients	Dept. of Transfusion Medicine AIIMS, Raipur

PUBLICATIONS

1. Prasad S, Patel S, Behera AK, Naik G, Shah S, Nanda R, Mohapatra E. Early biochemical markers in predicting the clinical outcome of COVID-19 patients admitted in tertiary care

hospitals in Chhattisgarh, India. J Lab Physicians ; : 11, 2022. DOI <https://doi.org/10.1055/s-0042-1742631>.

2. Agrawal AC, Mohapatra E, Nanda R, Bodhey NK, Sakale H, Garg AK. Plasma Interleukin-33 Cannot Predict Hip Osteonecrosis in Patients With Sickle Cell Disease: A Case-Control Study. *Cureus*. 2022 Mar 28;14(3):e23556. doi: 10.7759/cureus.23556. PMID: 35371856; PMCID: PMC8971072.
3. Patel, Suprava; Mohapatra, Eli.; Suganthy, Asha K.; Shah, Seema; Abraham, Jessy; Nanda, Rachita; Behera, Ajoy K.; Gupta, Ashish. A pilot study to evaluate the changes in venous blood gas parameters and hypoxia biomarkers in health care workers using different kinds of masks. *Lung India* 40(2):p 134-142, Mar-Apr 2023. | DOI: 10.4103/lungindia.lungindia_343_22.
4. Nayak S, Patel S, Nanda R, et al. (January 20, 2023) Processing Validation Metrics of Syva Enzyme-Multiplied Immunoassay Technique (EMIT)Methotrexate Assay for Beckman Coulter System. *Cureus* 15(1): e34025. DOI 10.7759/cureus.34025
5. Singh V, Siddiqui S, Hussain N, Nanda R, Bugalia A, Agrawal S. Serum testosterone level and semen quality in male patients with sickle cell disease in outpatient department of Chhattisgarh: a case-control study. *Int J ClinExp Pathol*.2022 Jun 15;15(6):247-252.
6. Nanda R, Nath A, Patel S, Mohapatra E. Machine learning algorithm to evaluate risk factors of diabetic foot ulcers and its severity. *Med BiolEngComput* 60, 2349–2357 (2022). <https://doi.org/10.1007/s11517-022-02617-w>
7. Sinha M, Dada R, Patel S, Joshi A, Bagde N, Sinha HP. Frequency of Deletion of AZF Region of the Y Chromosome in Chhattisgarh. *International Journal of Genetics and Genomics*. 2021;9. 36-41. 10.11648/j.ijgg.20210902.12.
8. Sinha MB, Patel S, Bagde N, Sinha HP, Joshi A. Observational study of Y chromosome microdeletion, EAA markers and non EAA markers in Chhattisgarh. *Indian J ObstetGynecol Res* 2021;8(3):1-4.
9. Nanda R, Patel S, Ghosh A, KS Asha, Mohapatra Eli. A study of ApolipoproteinA1(ApoA1) And Interleukin-10(IL-10) In Diabetes With Foot Ulcers. *BioMedicine*. 2022;12(1):30-38. DOI: 10.37796/2211-8039.1279.
10. Kalra SJS, Shankar H, Mansoori N, Gupta DL. "Antibiotic-resistant bacteria originating from the gut may modulate the mucosal immune response during sepsis and septic shock" *Drug Target Insights* 16 (1), 81-87; 2022
11. Rao DN, Gupta DL, Sinha TP, Bhoi S. "Understanding sepsis-induced immunosuppression and organ dysfunction: from immunosuppression to immunotherapy" *Exploration of Immunol*. 2022; 2:589–603

Edited Book and Monograph

S. No.	Authors	Chapter	Book	Edition	City of Publication	Publisher	Year of Publication
1.	Dr.Eli Mohapatra, Dr.Rachita Nanda, Dr.Suprava Patel, Dr.Jessy Abraham	All chapters	Biochemistry Laboratory Manual	9th	Raipur	Dept. of Biochemistry	2023

PATIENT CARE

	OPD	IPD
Total	11,16,917	5,97,304

AWARDS, HONORS, AND SIGNIFICANT EVENTS

1. Prof. (Dr.) Eli Mohapatra was nominated as the vice-president of AMBI and President of ACCLMPCON.
2. Dr Seema Shah was nominated for General secretary, State Chapter, ACCLMP
3. Dr.DikshaChandrakar (PG JR) got certificate of excellence on AFMC Biochemistry Quiz competition.
4. Dr.VarshaVerma(PG JR) won 2nd prize in a Quiz competition held in 9th ACCLMPCON from 7th to 8th Jan 2023
5. Dr.PrajnaParimita Jena (PG JR) won 2nd prize in National Quiz competition held in 9th ACCLMPCON from 7th to 8th Jan 2023
6. Dr PrajnaParimita Jena awarded 2nd Prize in Oral Presentations during 2nd National PG Update cum CME(AMBI) by GMCH Chandigarh from 11th-13th March 2023.



Pre-Conference on 'Tumor Biomaker-Present and Future'

DEPARTMENT OF BURNS & PLASTIC SURGERY

Associate Professor and In-Charge

Dr. Jiten Kumar Mishra

Assistant Professor:

Dr. Shamendra Anand Sahu

HIGHLIGHT

The department is working hard with a holistic goal of providing advanced, accurate surgical care for the needy patients of the state. The department is also engaged in teaching training of the M.Ch residents and collaborative research with other clinical departments.

Apart from patient care in the department, we have been a part of the team of all surgical departments of AIIMS, Raipur, in many cases, reconstructing the defect, deformities and emerged as a problem solving department within a limited span of time. Not only the surgical departments but always with a helping hand for departments like Nephrology, General Medicine, Dermatology to carry out surgical procedures which help them managing cases. This year department has done procedures which are technically demanding like penile reconstruction, lymphovenous

anastomosis for lymphedema patients, brachial plexus cancer excision. M.Ch residents of the department has performed well in scientific paper presentation and awarded 1st prize in state level CME.

EDUCATION

1. Teaching and training of the M.Ch Students (Plastic & Reconstructive Surgery) residents of the department.

2. Teaching and training of Post graduate residents of General surgery, Ophthalmology, Dermatology, Orthopedics and M.Ch residents of Head-Neck surgery, M.Ch residents of joint replacement and reconstruction, posted in the department on rotation basis.

3. Teaching of the Pre trauma technician students pursuing 1 year PTT Course.

4. Teaching and training of ITBP personnel's (Medics & Paramedics) on first responder course.

CME/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCE

S. No.	Title	CME/Conference	Date	Organised By
1.	Organized CME on 'management of post Burn sequelae' on ,15 th July 2022	CME	15.07.2021	Department of Burns and Plastic Surgery

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Jiten Kumar Mishra

S. No.	Title	CME/Conference	Date	Organised By
1.	'Primary management of soft tissue injuries including dirty wounds and tetanus prophylaxis'	AOCMF conference.	10.09.2022	AIIMS, Raipur.
2.	Upper Limb Reconstruction.	CGIOACON2022	16.04.2022	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Jiten Kumar Mishra	Modalities of Hand Defect Reconstruction; an Institutional Experience	MPCGCON2022	03.09.2022	MPCG Association of Plastic Surgeons.
2.	Dr. Jiten Kumar Mishra. Dr. Shamendra Anand Sahu (Co-Authors)	A Tale of Two Ray – Metacarpal Reconstruction with a Free Fibula Flap.	APSICON - 2022 National Conference	09-13.11.2022	Association of Plastic Surgery Of India
3	Dr. Jiten Kumar Mishra. Dr. Shamendra Anand Sahu (Co-Authors)	Local Flap in Head and Neck Reconstruction	APSICON - 2022 National Conference	11.11.2022	Association of Plastic Surgery Of India
4.	Dr. Jiten Kumar Mishra. Dr. Shamendra Anand Sahu (Co-Authors)	1. Microvascular Reconstruction for Post Electrical Burn Defect Over Scalp 2. A Case Report of Burn Hypertrophic Scar Over Perineum. 3. Management of Anaar bomb (flower pot) Blast Injury of Hand by different Modalities – Our Experience.	NABICON 2022 National Conference	03-05.02.2023	Ganga Hospital Coimbatore
5.	Dr. Jiten Kumar Mishra. Dr. Shamendra Anand Sahu (Co-Authors)	1. Microvascular Reconstruction for Post Electrical Burn Defect over Scalp 2. A Case Report of Post Burn Hypertrophic Scar over Perineum	National CME and work shop on burn care level	10.12.2022	National CME and work shop on burn care level

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 Effect of Systemic Blood Pressure on the Perfusion of Free Flaps in Cases of Head Neck and Extremity Reconstruction using Photoplethysmography	Dr. Shamendra Anand Sahu	AIIMS Raipur	2 year 2022	23 47, 500	1 year 2022

Departmental Projects

Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project	Name of Student/SR
1.	Analysis of Flap Sugar as an Objective Monitoring of Intra Operative Flap Vascularity following Single vein VS. Double vein Anastomosis	Dr. D. AbhiSindhuja
2.	Analysis of Sensory Recovery of Neurotised Free Flaps in Cases of Head-Neck Reconstruction	Dr. AparajitaSaha

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Post operative non invasive monitoring device for micro vascular free flap in microsurgical reconstruction in head & neck tumor	ENT-Head & Neck Surgery Department
2.	To study the effect of systemic blood pressure in the perfusion of free flap in cases of head - neck & extremity reconstruction Photoplethysmography	ENT-Head & Neck Surgery Department

Completed

S. No.	Project	Collaborating Department/Institution
1.	Situational analysis of Burn Injuries	AIIMS, New Delhi

PUBLICATIONS

- Adamantinoma of tibia: excision and reconstruction with free vascularized fibula flap: a case report and review of literature. **Sahu SA, Mishra JK, Kar BK, Manju R, De M.** J Surg Case Rep. 2022 Apr 15;2022(4): rjac165.
- A Rare Presentation of Congenital Benign Fibrous Histiocytoma Mimicking Mandibular Tumor in an Infant. Borkar N, De M, **Mishra, JK, Malhotra, S, Sahu SA, Chowhan AK.** Indian Dermatology Online Journal 14(3):p 427-429, May-Jun 2023.
- A rare case of faun tail nevus without any underlying spinal anomaly. De M, Manju R, **Mishra JK, Sahu SA.** Journal of Cutaneous and Aesthetic Surgery. December 02; 2022.
- Versatility of perforator-based propeller flap in reconstruction of volar aspect of distal forearm, distal leg & ankle defects - a retrospective analysis. Giri SK, Choudhury AK, Kanungo A, **Mishra JK, Sahoo S;** Int. J. of Adv. 2023; Res. **11** (Mar). 1228-1234.
- Accepted article: Primary cutaneous adenoid cystic carcinoma of the chest wall with axillary lymph node metastases and its management: A case report: Primary cutaneous adenoid cystic carcinoma of the chest wall with axillary lymph node metastases". In "Portuguese Journal of Cardiac Thoracic and Vascular Surgery." Klein Dantis, Radhakrishna Ramchandani, **Sahu SA, Vandita Yogendra Singh, Subhajt Dasgupta.** 2023; March.

PATIENT CARE:

OPD	IPD	Major OT	Minor OT	Tests	Special Clinics
6198	377	346	292	NA	1. Cleft lip & cleft Palate -48 2. Brachial plexuses & Peripheral nerve injury – 45 3. Post Burn Deformity clinic – 69

The department is successfully running following special clinics:

1. Cleft lip & cleft Palate clinic – every Monday
2. Brachial plexuses & Peripheral nerve injury clinic – every Thursday
3. Post Burn Deformity clinic – every Tuesday
4. At present three M.Ch. residents is being pursuing the Plastic & Reconstructive Superspeciality (M.Ch.) course.

AWARDS, HONOURS AND SIGNIFICANT EVENTS**Dr. J.K Mishra**

1. Invited as panelist in the session Hand/Fore-arm in CGIOACON 2022
2. Invited and moderated in NABI awareness programme; online tutorials on Topic 'Innovation in management of post burn sequelae'.
3. Nominated by SOTTO, as subject expert to inspect the skin bank, Burns and Plastic Surgery Department, D.K.S Hospital Raipur for permission of skin bank facility.
4. Nominated by DU University as subject expert to inspect the Burns and Plastic Surgery Department, DKS Hospital, Raipur for infrastructure suitability for conducting the MCh. Course.

Department of Cardiology

Associate Professor & In-charge

Dr. Satyajit Singh

Assistant Professor

Dr. Surendra Kumar Naik

HIGHLIGHTS

The Department of Cardiology, AIIMS Raipur this year acquired state of the art 3D-Optical coherence tomography (OCT) with angio-co-registration and integrated FFR for optimal percutaneous intervention and became the first institute in the state of Chhattisgarh to have this facility in cardiac catheterization lab.

Dr. Satyajit Singh performed the first case of assessing the functional significance of intermediate coronary lesion using the diastolic pressure ratio (dPR) in the state of Chhattisgarh which is a new novel approach.

Dr. Surendra Naik performed the conduction system pacing (Left bundle pacing) which is a first for any Government / PSU institute in Central India. Percutaneous closure of ASD and BMV in high risk pregnancy case was also initiated this year.

EDUCATION

Department of Cardiology, offers 3-year post-doctoral DM(Cardiology) course to candidates. The annual intake is two candidates per year (1 candidate every 6 months). Clinical case presentation, journal club, catheterization conference, departmental seminar, cardiology-nuclear medicine meet and cardiology-radiology meet are organized to impart knowledge and skills to the students. Apart from this, the academic junior residents pursuing post-graduation in Department of Pediatrics and Department of Internal Medicine were given basic echocardiographic training and were exposed to the management of critically ill cardiac patients in intensive coronary care units.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Satyajit Singh

S. No.	Title	CME/Conference	Date	Organized by
1.	Percutaneous Micro-axial flow Pumps : Will it help?	CSI -National Heart Failure Conference 2023	25.03.2023	Cardiological Society of India, at SGPGI Convention Center, Lucknow
2.	ECG in ACS patients presenting in Trauma & Emergency Department	National CME and Workshop on ECG in Emergency	31.07.2022	Department of T&E, AIIMS Raipur

RESEARCH:**Funded Projects****Ongoing**

S.No	Project	Principal Investigator	Funding Agency	Duration (years)	Start	Total funds sanctioned
1.	Effect of CYP2C19 and P2Y12 Genetic Polymorphism on Platelet Aggregation in Patients on Treatment with Clopidogrel in Chattisgarh Population	Dr. Satyajit Singh (Co-PI)	Chhattisgarh Council of Science & Technology	02	03/21	Rs 5,00,000

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
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 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 with Subclinical Hypothyroidism

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

Collaborative Projects**Ongoing**

S.No.	Project	Collaborating Department
1.	Correlation of Computed Tomographic Pulmonary Angiography with Echocardiographic Indices in Patients with Suspected Pulmonary Embolism	Department of Radiodiagnosis

2.	Safety and Effectiveness of Sodium-Glucose Co-Transporter Inhibitors in Indian Patients with Heart Failure : A Post-Marketing Surveillance Study in a Tertiary Care teaching Hospital of Central India	Department of Pharmacology
3.	Correlation of Myocardial Perfusion Imaging with Coronary Artery Calcium Scoring in Evaluation of CAD in an Intermediate Risk Population – A Pilot Study	Department of Nuclear Medicine

Completed

S.No.	Project	Collaborating Department
1.	Assessment of right ventricular ejection fraction by first pass radionuclide ventriculography and its comparison with echocardiography determined surrogate markers of right ventricular function in patients with dilated cardiomyopathy	Department of Nuclear Medicine
2.	A cross-sectional study of cardiac dysfunction in sickle cell disease patients	Department of Medicine
3.	Evaluation of cardiac diastolic function and global LV function using myocardial performance index evaluated by echocardiography and myocardial tissue doppler in pregnant patients with pre-eclampsia and normotensive pregnancy – A case control study	Department of Obstetrics & Gynaecology

PUBLICATIONS :

- Singh S, Thakur CP, Naik S, Kumar M. Hyperkalemia-induced Brugada Phenocopy: A rare electrocardiogram manifestation. J Pract Cardiovasc Sci 2022; 8: 112-4.
- Balpande N, Bodhey NK, Singh S. Cardiac computed tomography pictorial equivalent of angiographic gooseneck sign in a case of atrioventricular septal defect with cortriatriatum sinister. Heart Views 2022; 23: 235-9.
- Singh S, Al-Imam A, Tirpude AP, Chaudhary N, Al-Alwany A, Konuri VK. 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 23; 11(B): 252-8.

PATIENT CARE:

Total OPD consultations / IPD	23049/ 1189
ECG done in Non-invasive Lab	14687
Echocardiography	10021
Trans oesophageal echocardiography	19
Bubble Contrast Echocardiography	04
Exercise TMT	16
Holter	30
Emergency Pericardiocentesis	30

Coronary Angiography	612
Coronary Angioplasty+Stenting	161
Cath Study	04
ASD Device closure	01
Permanent pacemaker implantation (PPI)	40
Temporary transvenous pacing	47
CRT (Cardiac Resynchronization Therapy)	05
Implantable Cardio Defibrillator (ICD)	04
POBA	01
PDA Device Closure	03
Percutaneous transmitral commissurotomy (PTMC) / BMV	02
OCT/ DPR	01/01

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Satyajit Singh was invited as a panelist for discussion in Nuclear Cardiology Connect ; cardiac clinical case presentation organised by Nuclear Cardiological Society of India (28th February 2023) at AIIMS Raipur, as a chairperson for cardio-respiratory segment in the first National Conference of IAP PEM CHAPTER (NAPEM)-2022 organized at AIIMS Raipur from 4th -6th November, 2022, and as the chairperson for ECG Workshop on ischemic heart disease ; demystifying complexities in the Emergency Room organized by CARE Group of Hospitals and Heart Rhythm Clinic, Raipur
2. Dr. Satyajit Singh is the editorial associate of Indian Heart Journal (IHJ)- official publication of the Cardiological Society of India.
3. The Department of Cardiology in collaboration with CTVS Department, AIIMS Raipur organized a walkathon from AIIMS Raipur to NIT, Raipur on the occasion of World Heart Day (29th September, 2022)

Department of Cardiovascular and Thoracic Surgery

Additional Professor and In-charge

Dr. Nitin Kumar Kashyap

Assistant Professors

Dr. Preetam Sahani

Dr. G. Saurabh

Dr. Pranay Mehsare

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, Acyanotic 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. The Department has 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 acyanotic, 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

Walkathon with collaboration with IACTS outreach activity on world heart day 29 sept 2022

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Awareness on Oral anticoagulation uses among cardiac patients	CME	22.07.2022	Department of CTVS, AIIMS Raipur
2.	Uses of Hemostatic agent agents in Cardiac Surgery Ultrasonic cautery use	CME	20 .08.2022	Department of CTVS, AIIMS Raipur
3.	ECMO Demonstration workshop	CME	22.03.2023	Department of CTVS, AIIMS Raipur
4.	Uses of Various Cannula in cardiac surgery Demonstration	Workshop	30.11.2022	Department of CTVS, AIIMS Raipur
5.	Talk on Mitral valve: Repair or Replacement	CME	31.03.2023	Department of CTVS, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nitin Kumar Kashyap

S.No.	Title	CME/Conference	Date	Organized by
1.	Management of Chest Trauma	Chhattisgarh Cardiothoracic surgeon and cardiac anesthetist association CME	14.01.2023	CTVS Association, Raipur

Dr. G. Saurabh

S. No.	Title	CME/Conference	Date	Organized By
1.	Conduits, "How we do, how can we do better"	CORO Live 2023 Live Coronary Workshop	24.03.2023	Siddhartha Advanced Heart Centre & Kardiatic Fontida Tumkur Karnataka
2.	Post Operative management after CABG	CORO Live 2023 Live Coronary Workshop	25.03.2023	Siddhartha Advanced Heart Centre & Kardiatic Fontida Tumkur Karnataka

Dr. Pranay

S. No	Title	CME/Conference	Date	Organized by
1.	Talk on Science of tissue management- sternum closure	Chhattisgarh Cardiothoracic surgeon and cardiac anesthetist association CME	19.09.2022	Johnson and Johnson

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr. G. Saurabh	Metastatic RA Mass in a Children-Rare Case	Annual Conference of IACTS 2023	17.03.2023	Indian Association of Cardiothoracic
2.	Dr. G. Saurabh	A rare entity of Isolated Double Chamber Right Ventricle in an adult	Annual Conference of IACTS 2023	18.03.2023	Surgery Indian Association of Cardiothoracic Surgery
3.	Dr. Pranay Mehare	A Rare Case of Submitral Aneurysm	Annual Conference of IACTS 2023	18.03.2023	Indian Association of Cardiothoracic Surgery

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	A Comparative Study To Assess the Efficiency of Digital Drainage Systems With Conventional Drainage in the Management of Cardiac Surgery	Dr. Nitin Kashyap	AIIMS Raipur	1 year	2022	1.5 lacs

Departmental Projects – Non-Funded Projects

Ongoing

S. No.	Project
1.	Clinical Experience with the Miltoia Valve: Performance of New Bileaflet Mechanical Prosthesis in Mitral Valve Replacement Surgery

PUBLICATIONS

- Ingle A S, Kashyap N, Trivedi S, et al. 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
- Talwar, Sachin & Saurabh, Gaiind & Ramakrishnan, Sivasubramanian & Gharde, Parag & Choudhary, Shiv. (2022). Thrombus formation in the heart following balloon atrial septostomy in transposition of great arteries. Indian Journal of Thoracic and Cardiovascular Surgery. 38. 10.1007/s12055-022-01331-4.
- Dantis K, Mehsare PS, Singha SK, Gupta N. Transthoracic Migration of a Foreign Body into the Diaphragm from the Gunshot Injury, and Its Management in a Child: A Case Report. Surg J (N Y). 2022 Sep 2;8(3):e224–e226. doi: 10.1055/s-0042-1756198. PMID: 36062180; PMCID: PMC9439876.

PATIENT CARE

OPD	IPD	Major OT	Minor OT
6694	1028	279	26

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Honoring a Very Special Mentor presented to Dr. G Saurabh in CORO LIVE 2023 Live Coronary Workshop organized by Siddhartha Advanced Heart Centre & Kardiatic Fontida Tumkur Karnataka held on March 2023.

Department of Clinical Hematology

Assistant Professor & In-charge

Dr.Saroj Bala

HIGHLIGHTS

The Department are running Hematology OPD/IPD/Daycare/Referrals and also involved in Sickle clinic in association with dept. of General Medicine. The Department had organised a National Conference on Multiple myeloma in collaboration with Medical Oncology and General Medicine 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 Radiotherapy and Medical Oncology department.

EDUCATION

The Department is conducting weekly classes for JRs and Nursing Officers.

CME/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCE

S. No.	Title	CME/Conference	Date	Organised By
1.	National Conference on Multiple myeloma	National Conference	13-14.08.2022	Department of Hematology/Medical oncology and General Medicine

LECTURES DELIVERED AT CME, NATIONAL & INTERNATIONAL CONFERENCES

Dr.Saroj Bala

S. No.	Title	CME/Conference	Date	Organised By
1.	PNH Clone Aplastic Anemia: How To tackle?	63 rd Annual Conference of ISHBT	03-06.11.2022	ISHBT and EHG
2.	Approaching Cold -AIHA	7 th Annual Conference of EHG	10-12.02.2023	EHG
3.	Anemia of chronic disease	CME	12.06.2022	JLN Hospital, Bhilai
4.	Approach to plasma cell disorders	National conference on Multiple myeloma	13.08.22 & 14.08.22	Department of Hematology, Medical oncology and General Medicine, AIIMS Raipur
5.	Role of palliative medicine in Hematology	State level CME	08.10.2022	Department of Medical oncology, AIIMS Raipur

PUBLICATIONS

- Bala S**, Kumar A, Dange P, Kashyap Y, Tiwari A. 6-Mercaptopurine-induced fever in a case of B-acute lymphoblastic leukemia: A case report. Cancer Research, Statistics, and Treatment. 2022 Oct 1;5(4):788-91.
- 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.

3. Khandelwal V, **Bala S**, Sharma S. Targeted therapy with trametinib in infantile refractory

langerhans cell histiocytosis: A case report
IJMIO_4_2023;76-78.

Chapter in Book

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication
1.	Dr.Saroj Bala , Dr.KoustubhShekar	Immune Thrombocytopenia: Recent Developments in Management.	Dr. Abhishek Purohit	Hematology Pearls 2023	5 th	Jodhpur	Dr.Abhishek Purohit	2023

PATIENT CARE

OPD	IPD+Daycare
6035	393+1019= 1412

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Saroj Bala was elected as Executive committee member of Indian society of hematology and blood transfusion from C.G. She was the chairperson for the session 'Coagulation disorders in ICU patients' in 2nd Annual Congress of Indian Sepsis forum conference on 03.09.2022 & 04.09.2022 organised by the Critical care department of Ramkrishna care hospital.

Department of Community & Family Medicine

Professor and Head of Department

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 Screening OPD of AIIMS Raipur was started by the Department of Community and Family Medicine (CFM) in collaboration with Hospital Administration and other clinical departments of AIIMS Raipur on 18th May 2022. Since then till 31st March 2023, total 38,529 patients were screened at the Screening OPD.

CFM Department runs the Covid-19 Vaccination Centre of AIIMS Raipur since 16th January 2021 for various categories of beneficiaries. During 1st April 2022 to 24th February 2023, beneficiaries of Covishield for first, second and precaution doses were 62, 615 and 4610 respectively. For the same duration beneficiaries of Covaxin for first, second and precaution doses were 913, 670 and 1403 respectively. The first and second dose of Corbevax was given to 291 and 643 beneficiaries (12-14 years) respectively.

CFM Department was invited to conduct a Research Methodology Program at Government Dental College & Hospital, Raipur

on 2nd March 2023. Faculties from CFM Department also participated as resource persons of the Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur; during 6th to 9th February 2023.

World Health Day (WHD) was observed on 7th April 2022, focusing on the Theme 'Our Planet Our Health'. Interns posted at Urban Health Training Centre (UHTC) prepared posters on the WHD theme and gave a health talk to the beneficiaries at UHTC highlighting key messages of WHD.

Population-based screening (PBS) was conducted at Urban Field Practice Area (UFPA) for Non-communicable diseases (NCDs) from 21st April to 30th August 2022. Total 601 urban slum dwellers were benefitted under PBS.

A health education session was conducted on vector-borne diseases in the community on 25th April 2022 on the occasion of World Malaria Day. Interns prepared posters on Dengue and Malaria. 50 houses were surveyed in Kaling Nagar and Krishna Nagar of

UFPA for larval breeding sites and fever cases. Larval samples were collected from the community and shown to the people.

An awareness campaign was conducted on the common cancers (Breast, Cervical, and Oral) on 28th April 2022 in UFPA near Kaling Nagar AWC. A health education session was conducted using PPT presentation and posters prepared by CFM JRs and interns. A role play was performed on common cancers.

To observe the World Immunization Week (24-30 April), a roleplay based on the Theme 'Long life for all' was conducted at the Central dome, registration area of AIIMS Raipur; on 29th April 2022 by CFM JRs and interns posted at Immunization Clinic to create awareness among patients and their attenders.

Doctors Day was celebrated at UHTC on 1st July 2022. Fruits were distributed to the patients attending OPD to encourage them to include fruits in their daily diet.

On 29th July 2022, World ORS Day was observed at UHTC. ORS preparation was demonstrated by CFM JRs and interns. Importance of ORS in diarrhoea was also explained and ORS packets were distributed to the beneficiaries.

World Breast Feeding Week was observed during 1st August to 7th August 2022 at UHTC. A health talk was given to antenatal and postnatal mothers by CFM JRs and interns at Bada Ram Nagar AWCs using PPT.

Healthy Baby and Most Aware Mother competitions were organized at UHTC on 27th September 2022 to observe Rashtriya Poshan Maah 2022.

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 2022, IAPSMCON 2023, IAPSM Young Leaders' National Conclave 2022, EFICON 2022, Medical Education Technology Teachers Training, Handling Difficult Communication, Recent Update in MIYCAN (Maternal, Infant, Young child & Adolescent Nutrition), Updated Clinical Practice Guidelines for Community-acquired Pneumonia, Case Discussion on Infectious Diseases, Update on TB, Data Analysis using Stata; Policies, Practices, and Innovations in surveillance and case management for malaria elimination; Essentials of Medical Writing, Developing Reflective Practice for Personal and Professional Growth, Leadership in Public Health – Opportunities for Young Generations, Public Health Nutrition, Role of Nanotechnology in Health Care, Essentials of Pedagogy, Basics in Research for Beginners, Update on Diabetes, Basic Course on Biomedical Research, International Course on Public Health Approaches to NCDs, Basics of Health and Demographic Surveillance, Digital Technology for improving Health, Preventive and Promotive Health: Strategies for healthier future, Front of Package Label as a Policy Intervention for Bending Down NCDs in India, Priorities for Malaria Elimination in India, Community Physicians and Public Health Professionals for Sustainable Health, Large scale survey data and public health research, Health system evaluation: Design and Framework; Basic Epidemiology, Statistics, SPSS and Critical appraisal, Innovations in public Health, Prioritizing multi-stakeholder engagement to address air pollution as a major risk factor for NCDs, Introspection and innovation in public health: One health One

planet, Artificial Intelligence in Public Health, Sample size calculation made easy etc.], by undergoing different academic online courses and by being a reviewer of journals.

CFM Junior Residents enthusiastically participated in competitions at

the National level such as Microteaching Competition at 3rd IAPSM Young Leaders' National Conclave at AIIMS Bhubaneswar, National Nutrition Week Quiz by AIIMS Rishikesh, APIQUIZ on infectious diseases at Mediflix Platform etc.

CME/WORKSHOP/SYMPOSIA/NATIONAL AND INTERNATIONAL CONFERENCE ORGANISED BY THE DEPARTMENT

S. No.	Title	CME/Conference	Date	Organised By
1.	Research Methodology Program	CDE for faculty and postgraduate students of Government Dental college and Hospital, Raipur	02.03.2023	Department of Community and Family Medicine, AIIMS Raipur

LECTURES DELIVERED AT CMES, NATIONAL AND INTERNATIONAL CONFERENCES

Prof. Dr. Manisha Ruikar

Sr.No.	Title	CME/conference	Date	Organised By
1.	How to ensure influenza surveillance meets public health objectives? (Panelist)	Consultation on prevention & control of Influenza and other respiratory viruses at Mumbai	02.09.2022	ICMR-NIV Pune, Centre for Disease Control & Prevention (CDC) and AIIMS, New Delhi
2.	Perspective on food fortification in reduction of prevalence of Anemia	Multisectoral workshop on Fortified Rice at Kanker	15.09.2022	Department of Food, Civil supply and Consumer protection, Government of Chhattisgarh
3.	Measures of disease frequency	Foundation Course in Research Methodology	06-09.02.2023	Dean (Academic), AIIMS Raipur

4.	Descriptive study designs	for Postgraduate and PhD students of AIIMS Raipur		
5.	Designing data collection tool/ CRF			
6.	How to write thesis protocol			
7.	Introduction to health research	Research Methodology Program	02.03.2023	Government Dental College & Hospital, Raipur
8.	Questionnaire/CRF development			
9.	How to write research proposal			
10.	Identifying implementation and research gaps in program for elimination (Panelist)	Consultation on prioritizing diseases for elimination in India at Pune	10.03.2023	ICMR-NARI, Pune

Dr. Arvind Kumar Shukla

Sr.No.	Title	CME/conference	Date	Organised By
1.	Types of data, levels of measurements Types of variables, functional relationships	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	06-09.02.2023	Dean (Academic), AIIMS Raipur
2.	Sample size for various study designs			
3.	Sample size, sampling methods and statistical analysis plan	Research Methodology Program	02.03.2023	Government Dental College & Hospital, Raipur

Dr. Ashish Wasudeo Khobragade

Sr.No.	Title	CME/conference	Date	Organised By
1.	Errors, Bias and Confounding	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	06-09.02.2023	Dean (Academic), AIIMS Raipur
2.	Basics of SPSS Statistical Software			
3.	Study designs	Research Methodology Program	02.03.2023	Government Dental College & Hospital, Raipur
4.	Ethics in Research, PIS, and Consent Form			

Dr. Amit Kumar Mishra

Sr.No.	Title	CME/conference	Date	Organised By
1.	Formulation of Research Question, Hypothesis and Objectives	Foundation Course in Research Methodology for Postgraduate and PhD students of AIIMS Raipur	06-09.02.2023	Dean (Academic), AIIMS Raipur
2.	Experimental Study Design			
3.	How to prepare and use an Excel Sheet			
4.	Formulation of research question, hypothesis, and objectives	Research Methodology Program	02.03.2023	Government Dental College & Hospital, Raipur
5.	Literature search			
6.	Data entry & management			

Oral papers /posters Presented

Sr. No.	Authors	Title	Conference	Date	Organised By
1.	Dr Abhiruchi Galhotra , Dr Madhu Balan, Dr Arvind Shukla	Situational Analysis of Water, Sanitation & Hygiene in Healthcare facilities of Raipur District (CG)	The Golden Jubilee Annual National IAPSM Conference 2023	02- .05.02.2023	AIIMS Bibinagar
2.	Dr Anjali Pal	Knowledge and practices regarding folic acid supplementation among pregnant women in a rural area of central India: a cross-sectional study	30 th World congress on controversies in Obstetrics, Gynecology & Infertility	24- 26.09.2022	COGI and Reproductive Biomedicine
3.	Dr Anjali Pal	Marital Challenges of Chronic Hepatitis B Patients : A Qualitative Study	50 th Annual National Conference of IAPSM	02- 04.02.2023	AIIMS Bibinagar and National Institute of Nutrition
4.	Dr Ashwini Katole	Spousal Violence among Reproductive Age Group Women – A Community-Based Cross-Sectional Study	Annual National conference of IPHACON 2022, Pune	23.09.2022	Bharati Vidyapeeth (DTU) Medical College, Pune
5.	Dr Muthathal Subramanian , Dr Sumit Malhotra, Dr Shashi Kant, Dr Kiran Goswami, Dr Vanamail Perumal, Dr Gaurishanker Kaloiya	A community-based, mixed-methods analysis on menstrual hygiene management of rural Northern India	50 th Annual National Conference of Indian Association of Preventive and Social Medicine	02- 04.02.2023	Department of CM&FM, AIIMS Bibinagar in collaboration with NIN, Hyderabad

6.	Dr Hannah Jose, Dr Manisha Ruikar	A study of pattern of multimorbidity among elderly in an urban slum of Central India	9 th International Family Medicine Conference and Exhibition at Dubai World Trade Centre, Dubai, UAE	25.10.2023	Index Conferences & Exhibitions Organisation, Est.
7.	Dr Veena G Dev, Dr Manisha Ruikar	Newer Tribal Initiatives in India – The Catalyst for Universal Health Coverage?	3rd IAPSM Young Leaders' National Conclave	10-12.11.2022	AIIMS Bhubaneswar
8.	Dr Veena G Dev, Dr Manisha Ruikar	Economic Burden of Non-Communicable Diseases in Aging India - Challenges and Way Forward	Annual National IAPSM Conference 2023	02-04.02.2023	Department of Community and Family Medicine, AIIMS Bibinagar
9.	Dr Sakthi Das, Dr Abhiruchi Galhotra, Dr Anupriya Jha	POSHAN Abhiyaan to POSHAN 2.0 – Journey Towards Nurturing Health and Preventing Malnutrition	3 rd IAPSM Young Leaders' National Conclave, AIIMS Bhubaneswar	12.11.2022	AIIMS Bhubaneswar
10.	Dr Sakthi Das, Dr Abhiruchi Galhotra, Dr Arvind Shukla	Nutritional Assessment of Adolescent Females of Age 15-19 years in an Urban Slum of Raipur City	50 th IAPSMCON 2023	03.02.2023	Department of Community Medicine and Family Medicine, AIIMS Bibinagar and NIN, Hyderabad
11.	Dr M Swathi Shenoy, Dr Muthathal Subramanian, Dr Ashish Khobragade	Trends of suicide among cancer patients in India, 1997-2020	3 rd IAPSM Young Leaders National Conclave	10-12.11.2022	AIIMS Bhubaneswar

12.	Dr M Swathi Shenoy , Dr Ashish Khobragade, Dr Gouri Kumari Padhy	Sociodemographic determinants of maternal depression among women residing in an urban slum of central India	Golden Jubilee celebrations of Annual National IAPSM conference	02-04.02.2023	NIN Hyderabad and AIIMS Bibinagar
13.	Dr Jyoti Pradhan , Dr Anjali Pal	A comparative study of the nutritive value of traditional foods in different states of India	EFICON 2022	05.11.2022	Epidemiology Foundation of India (EFI)
14.	Dr Sylvia George	Tobacco Consumption in India: Did the laws help?	EFICON2022	05.11.2022	EFI and CFM AIIMS Patna
15.	Mr Srikanta Padhan	A narrative review on Disaster Management in COVID-19: Opportunity and Challenges in India	3rd IAPSM Young Leaders National Conclave 2022	11.11.2022	Dept. of Community & Family Medicine, AIIMS Bhubaneswar

RESEARCH

Funded Projects

Ongoing

Sr.No	Title	Name of PI	Funded by	Duration	Start year-End year	Fund
1.	Community Behavior and its Determinants in relation to Malaria Prevention and Control in Chhattisgarh	Professor Dr. Manisha Ruikar	ICMR	2 Years	Start year - 2021	Rs. 52,86,120/-
2.	MINerVA (Mortality in India Established through Verbal Autopsies) Network – A Joint Initiative of Registrar General of India and AIIMS, New Delhi.	Professor Dr. Manisha Ruikar	Govt. of India	Indefinite	Start year - 2018	Rs. 2,55,150/- (Second release of fund) Activity based long term release of funds for years to come

3.	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	Rs. 5,00,000/-
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Departmental Projects (Including thesis/dissertations)

Ongoing

Sr. No.	Project
1.	Effect of Health Education Intervention on Reducing Sedentary Screen Time in children under 5 years: Cluster Randomized Control Trial
2.	Prevalence of Post-Partum Depression and Associated Factors in a Tertiary Care Hospital in Raipur, Central India
3.	Sleep Hygiene among Medical Students and Doctors in a Medical College in Chhattisgarh, India
4.	Out-of-Pocket Expenditure on Health Care among Urban Slum Dwellers in a City of Chhattisgarh, India
5.	Prevalence of Health Risk Behavior and associated Life Skills among 15-19 years of Adolescents in Urban Field Practice Area of AIIMS Raipur
6.	Assessment of functioning of Health and Wellness Centres in the Rural Field Practice Area of Medical Institution at Raipur
7.	Nutritional Assessment of Adolescent Females of Age 15-19 Years in an Urban Slum of Raipur City
8.	A study to Assess Prevalence and Determinants of Maternal Depression in an Urban Slum of Raipur
9.	Estimation of Out-of-Pocket Expenditure for Healthcare among under-Five Children of an Urban Slum in Raipur City
10.	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

11.	Assessment of Health promoting Status of Schools in Raipur City
12.	Study of Cardiovascular Risk Assessment among Population using WHO ISH Risk Chart in an Urban Area of Raipur
13.	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 in AIIMS Raipur.
14.	Assessment of Implementation of National Programme for Prevention and Control of Cancer, Diabetes, Cardiovascular Diseases & Stroke (NPCDCS) in Dhamtari District of Chhattisgarh
15.	A Study of Knowledge, Attitude, and Practices regarding Road Safety among people at Blackspots in One Block of Raipur District (CG)
16.	Study on the effects of Health Education on Oral Healthcare in School Students of Raipur
17.	Prevalence & Determinants of ARI & Diarrhoea in an Urban Slum of AIIMS, Raipur
18.	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
19.	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

Completed

Sr. No.	Project
1.	Prevalence of COVID-19 post Vaccination and Symptom profiling amongst Health Care Workers- A Cross-Sectional Study
2.	Marital Challenges among Chronic Hepatitis B Cases of Central India: A Qualitative Study
3.	Assessment of Health Care Seeking behaviour among Caregivers of under Five Children Residing in an Urban slum in Chhattisgarh: A Community based Cross Sectional Survey
4.	A Study to Assess the Attitude of Adults towards COVID-19 Vaccination in India: An Online Cross-Sectional Study

5.	Prevalence and Determinants of Morbidity among Elderly in an Urban Slum of Raipur City – A Community based Cross Sectional Study
6.	Assessment of Nutritional Status of 6-23 Months Old Children Residing in an Urban area of Raipur City
7.	A Study to Assess Difference in Medication Adherence with use of a Newly Designed Medicine Calendar in patients with Chronic Diseases: A before and After Trial without Control
8.	Study of Unmet Need for Family Planning in Married Women of Age Group (18-49 years) in Urban Field Practice Area, AIIMS, Raipur

Collaborative Projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Community behavior and its determinants in relation to Malaria Prevention and Control in Chhattisgarh (Multicentric Project) (Principal Investigator from CFM Department)	ICMR NIT, 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.	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
4.	Pan India Epidemiological, Virological and Genomic Surveillance for Human Influenza and COVID-19 through DHR-ICMR VRDL Network (Co-Investigator from CFM Department)	Department of Microbiology, AIIMS Raipur

5.	Covid 19 Vaccination in Pregnancy : The COVIP Study (Co-Investigator from CFM Department)	Department of Obstetrics & Gynaecology 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.	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
8.	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
9.	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
10.	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

Completed

Sr. No.	Project	Collaborating Department/ Institution
1.	Implementation of NCDIR Electronic Mortality Software (NCDIR e-Mor)- strengthen Medical Certification of Cause of Death in AIIMS Raipur. (Co-Investigator from CFM Department)	MRD, Forensic Medicine

PUBLICATIONS

Papers published in journals

1. Kumar M, **Ruikar M**, Surya VL. Prevalence and determinants of social isolation among elderly in an urban slum of Raipur city - A community based cross-sectional study. *Int J Geriatr Psychiatry*. 2022;1-8. <https://doi.org/10.1002/gps.5797>.
2. **Sharma H, Ruikar M**. Effectiveness of chewable toothbrushes compared to manual toothbrushes in removing dental plaque - A systematic review and meta-analysis. *Indian J Dent Res*. 2022;33(4):445-451.
3. **Sharma H, Ruikar M**. Horizontal unidirectional airflow for reducing cross-infection of COVID-19: A narrative review. *Indian J Community Fam Med* 2022; 8:9-13.
4. Agrawal S, Dayama S, **Galhotra A**. "Vaccinate every child against COVID-19": A scientific or socioeconomic need? *Journal of Family Medicine and Primary Care* 11(5):1658-1663.
5. Parhad P, **Galhotra A**, Jindal A, et al. 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.
6. Agrawal S, Dayama S, **Galhotra A**. COVID-19 mental health challenges: A scoping review. *J Edu Health Promot* 2022;11:375.
7. Parija PP, **Pal A**, Panigrahi SK, Thakur P, Pal R. Male involvement in family planning in a rural area of India. *J Family Med Prim Care*. 2022;11(5):1943-1948.
8. Singh LK, **Giri AK**, Chhalotre V, Sharma RK, Rao GN, Gopalkrishna G, Varghese M, Chand P, Satyanarayana VA, Muralidhar D and Somani A. Prevalence of Psychiatric Disorders in Chhattisgarh: Findings from National Mental Health Survey. *Indian J Psychol Med*. 2023;XX:1-7.
9. Pathak VK, Panigrahi SK, Raj U, **Giri AK**, Kujur A. Contact tracing of health care workers as a part of health system strengthening: lessons learnt from field experience. *Int J Community Med Public Health* 2023;10:1622-4.
10. Pal R, **Khobragade AW**, Mandal M. How India has managed the COVID-19 first and second waves? *J Educ Health Promot*. 2022;11:176.
11. Rath B, **Mishra AK**. Attitude of adults toward COVID-19 vaccination in India: An online cross-sectional study. *J Public Health Prim Care* 2023;4:30-5.
12. Nanjunda DC, Lakshmi SJ, Acharya HR, **Mishra AK**. Trends in selected birth defects among parents from below poverty line population in Karnataka during 2010-2020. *Indian J Public Health* 2022;66:490-3.
13. Nayak D, Padhi T, Marandi P, **Mishra AK**. Risk Factors for Erythema Nodosum Leprosum: A Case Control Study in a Tertiary Hospital of Western Odisha, India. *Indian J Lepr* 2023;95:17-25.
14. **Katole A**, Saoji A, Kumar M, Spousal Violence among Reproductive Age Group Women - A Community-Based Cross-Sectional Study; *Indian Journal of community Medicine* 2023;48(1):65-69.
15. Jagadeesan S, Tripathi BK, Patel P, Kamra N, **Muthathal S**. Can B-Type Natriuretic Peptide (BNP) be a

- Predictor of Severity and Outcome of Community-Acquired Pneumonia (CAP)? A Prospective Follow-Up Study. *J Assoc Physicians India*. 2022;70(4):11-12.
16. Jagadeesan S, Tripathi BK, Patel P, **Muthathal S**. Urinary tract infection and Diabetes Mellitus—Etioclinical profile and antibiogram: A North Indian perspective. *Journal of Family Medicine and Primary Care*. 2022;11(5):1902-1906.
 17. Singh SK, Kamble BD, Dhaked GK, **Muthathal S**, Korra PN. Nutritional status among patients with chronic hepatitis C in the North-Eastern part of India: A cross-sectional study from the tribal belt of India. *Maedica- a Journal of Clinical Medicine* 2022;17(2):344-349.
 18. **Shenoy MS, Muthathal S**. Burden of folic acid deficiency in India. *International Journal of Innovative Science and Research Technology* 2023;8(3).

CHAPTER IN BOOK

Sr. No.	Author (s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Giri A.K., Padhan S., Galhotra A.	Epidemiology of Rhinosporidiosis	NM Nagarkar, R Mehta	Rhinosporidiosis	-	Singapore	Springer	2022	Pages 7-16

PATIENT CARE

CFM Department daily runs Immunization Clinic, Maternal & Child Health Clinic and Yellow Fever Vaccination Centre of AIIMS Raipur on every working Wednesday.

During 01.04.2022 to 31.03.2023, total 12972 beneficiaries (under five, adolescent, adult, pregnant woman) and 620 travelers were vaccinated. Total 1143 doses of Hepatitis B vaccine were administered to students and staff of AIIMS Raipur.

During 01.04.2022 to 31.03.2023, total OPD attendance at Urban Health Training Centre of AIIMS Raipur located at Community

Hall, Bhawani Nagar, Raipur was 8181 inclusive of 2309 patients at Special Clinics of UHTC namely ANC, Immunization and NCD. Also 1991 lab investigations were done at UHTC.

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.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

AWARDS and HONOURS

Prof. (Dr.) Manisha Ruikar

Invited to attend meeting of standing selection committee as subject expert for recruitment of faculty, AIIMS Patna on 10th November 2022. Chaired a panel discussion on identifying problems for Western and Central States in regional consultation on prioritizing diseases for elimination in India organized by ICMR-NARI at Pune on 9th March 2023.

Dr. Amit Kumar Mishra

Chaired scientific poster session in 3rd IAPSM Young Leaders' National Conclave at AIIMS Bhubaneswar held during 10th to 12th November 2022.

Dr. Muthathal S

Participated as a Resource Person in Pre-Conference Workshop on 'Building competencies in adolescent health' in 50th Annual National Conference of IAPSM at AIIMS Bibinagar on 1st February 2023.

Dr. Veena G Dev

SIGNIFICANT EVENT

Healthy Baby and Most Aware Mother Competitions were held by the Department of Community & Family Medicine at Urban Health Training Centre, Bhawani Nagar, Raipur; on the occasion of Rashtriya Poshan Maah 2022.

Qualified in the final round of National Quiz Competition conducted during 'National Nutrition Week 2022' by Department of Community and Family Medicine, AIIMS Rishikesh. Completed successfully Yoga Volunteer Course by Yoga Certification Board under Ministry of AYUSH, Government of India.

Dr. M Swathi Shenoy

Best paper award in poster presentations of 3rd IAPSM Young Leaders' National Conclave at AIIMS Bhubaneswar during 10th to 12th November 2022. Best paper award in oral presentations of Golden Jubilee National IAPSM Conference at NIN Hyderabad, jointly organized by AIIMS Bibinagar and NIN Hyderabad during 2nd to 4th February 2023.

Dr. Sashikanta Tripathy

'Best Performer of the Day' award in the Hands-on workshop on Infection Control Practices organized by HICC, AIIMS Raipur on 19th October 2022.

Preliminary meeting of all Anganwadi workers in Urban Field Practice Area was organized to seek their co-operation in motivating and mobilizing participants for the competitions from their respective Anganwadi Centres (AWCs).

Department of Dentistry

Professor & Head of the Department

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.

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. Academics, including PG faculty classes, are conducted on all working days. Lecture classes for MBBS students comprising of oral and dental topics with clinical relevance to a medical graduate, online distribution of study material and testing was introduced for the PG students. Internal assessment examination was conducted for the postgraduate students. Lecture classes for nursing students on oral health nursing considerations was conducted.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Dr. Virat Galhotra

S.No.	Title	CME/Conference	Date	Organised by
1.	PEDOTAAL 2022	43 rd National ISPPD Conference	24 - 26.11.2022	People Collage of Dental Science & Research Centre Bhopal
2.	South Asian Association of Pediatric Dentistry	3 rd International of Congress of SAAPD	26 - 28.08.2022	The Vivanta Panaji Goa

3.	PEDOPULSE-2022	18 th National ISPPD National PG Convention	07 - 09.04.2022	King George, Medical University, Lucknow
4.	5 th Teacher training on Medical Education Technology	CME	28 - 30.11.2022	AIIMS, Raipur
5.	National CME on Role of Nanotechnology in Healthcare	CME	28.03.2023	AIIMS, Raipur

Dr. Nakul Uppal

S.No.	Title	CME/Conference	Date	Organised by
1.	6 th National Symposium of Indian Society of Dental Traumatology	Conference (national)	02- 03.04.2022	Indian Society of Dental Traumatology (ISDT)
2.	Workshop on Sample Size Estimation in Health Research	Workshop	06- 07.04.2022	JIPMER Puducherry
3.	3 rd Congress of South Asian Association of Pediatric Dentistry	Conference (SAARC)	26- 28.08.2022	South Asian Association of Pediatric Dentistry (SAAPD)
4.	46 th Annual Conference of Association of Oral and Maxillofacial Surgeons of India	Conference (national)	17- 19.11.2022	Association of Oral and Maxillofacial Surgeons of Indian (AOMSI)
5.	1 st Asian Regional Congress of Dental Traumatology	Conference (SAARC)	17- 18.12.2022	Indian Society of Dental Traumatology (ISDT) & International Association of Dental Traumatology (IADT)
6.	33 rd Annual Conference of Indian Society of Dental Research	Conference (national)	17- 19.02.2023	Indian Society of Dental Research (ISDR) & International Association of Dental Research (IADR)
7.	Mannequins for Masters	Workshop	23- 24.04.2022	Simulations and Skills Lab, Medical Education Unit
8.	Qualitative Research Methodologies	Conference	03.02.2023	CCRYN CMBIY, Dept of Yoga, Dept of Palliative Medicine
9.	5 th Teacher's Training Program on Medical Education Technology	Workshop	28- 30.11.2022	Medical Education Unit
10.	Role of Nanotechnology in Healthcare	CME	28.03.2023	AIIMS Raipur & National Academy of Medical Sciences (NAMS) New Delhi

Dr. Santhosh Rao

S.No.	Title	CME/Conference	Date	Organised by
1.	Good Clinical Practice course and certification	Good Clinical Practice	01.04.2023	NIDA Clinical trails
2.	Basics of Systematic reviews and metanalysis	CME	02.09.2022	Indian Society of Paediatric Surgeons at AIIMS Raipur
3.	12th workshop on 'Basic Epidemiology' (online)	Course – Online	10 – 14.10.2022	Department of Preventive and Social Medicine, JIPMER
4.	Workshop on data handling and analysis using Microsoft Excel	CME	31.03.2023	AIIMS Raipur

Dr. Manish J. Raghani

S. No.	Title	CME/Conference	Date	Organised By
1	25th Mid-Term Conference & 11th PG Convention of AOMSI, Coimbatore, T.N.	National Conference	14 - 16.07.2022	Association of Oral & Maxillofacial Surgeons of India
2	AOCMF Introductory Seminar, Raipur, C.G.	National CME	10-11.09.2022	AO CMF
3	Digital Occlusions in Restorations and Implants, Delhi.	National Workshop	17-18.09.2022	Bio Research Associates Inc.
4	46th Annual Conference of AOMSI-2022, Indore, M.P.	National Conference	17-19.12.2022	Association of Oral & Maxillofacial Surgeons of India
5	7th State Conference of Chhattisgarh State Chapter of AOMSI. "CG MAXCON 2022" Bilaspur, C.G.	State Conference	03 - 04.12.2022	Chhattisgarh State Chapter of Association of Oral & Maxillofacial Surgeons of India

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

S. No.	Title	CME/Conference	Date	Organised By
1.	National Oral Health Policy for Children-Need of the Hour	3 rd Congress of South Asian Association of Pediatric Dentistry	26-28.08.2022	South Asian Association of Pediatric Dentistry at Vivanta Goa
2.	Pulpotomy	43rd National ISPPD Conference – PEDOTAAL-2022	24-26.11.2022	People Collage of Dental Science & Research Centre
3	Communication Skills :Doctors with Patients and relatives	CME	18.03.2023	AIIMS Raipur

Dr. Nakul Uppal

S. No.	Title	CME/Conference	Date	Organised By
1.	Healthy living: dental hygiene	National Doctor's Day Celebrations	01.06.2022	Kendriya Vidyalaya No. 2
2.	Management of the Pediatric Inpatient: Nuances to Share for Better Overall Care	3 rd Congress of South Asian Association of Pediatric Dentistry	27.08.2022	South Asian Association of Pediatric Dentistry
3.	Biomechanics of the mandible, Mandibular fracture patterns	AOCMF Introductory Seminar	10-11.09.2022	AOCMF
4.	Formulating multiple choice questions	5 th Teacher's Training Program on Medical Education Technology	28-30.11.2022	Medical Education Unit

Dr. Santhosh Rao

S. No.	Title	CME/Conference	Date	Organised By
1.	TMJ Joint replacement with Concomitant Orthognathic Surgery	Live surgical demonstration on TM Joint replacement.	07-08.12.2022	Govt Dental College Ahmedabad
2.	Maxillofacial Trauma	Expert Panellist in an Indian Board of Oral & Maxillofacial Surgeons Webinar	11.05.2022	Indian Board of Oral & Maxillofacial Surgeons
3.	Challenges in Mandibular Fractures	Expert Panel Moderator MIDCOMS - 25th Midterm Conference & 11th PG Convention of AOMSI, Coimbatore, Tamil Nadu	14 - 16.07.2022	Association of Oral & Maxillofacial Surgeons of India
4.	TMD - A Diagnostic Dilemma Management Options	Expert Panellist in an Indian Board of Oral & Maxillofacial Surgeons Webinar	01.03.2023.	Indian Board of Oral & Maxillofacial Surgeons
5.	Maxillomandibular Fixation	AOCMF Introductory Seminar	10-11.09.2022	AIIMS Raipur
6.	Paediatric Oral Surgery	Webinar organized by Department of Pediatric and Preventive Dentistry in association with Scientific & Academic Forum,	06.05.2022.	IGIDS, Puducherry,
7.	Concomitant total temporomandibular joint replacement and Orthognathic surgery using indigenous patient specific implants in TMJ Ankylosis using Computer assisted surgical simulation (CASS)	4 th Annual State conference, Uttarakhand State chapter, of AOMSI at Haridwar, Uttarakhand	07-08.10.2022	Association of Oral & Maxillofacial Surgeons of India, Uttarakhand Chapter
8.	Adjunct Surgical procedure sin facial Esthetics	Gnathos 22	09.11.2022	Rungta College of Dental Sciences, Bilai

9.	Zygomatic Implants	RENAISSANCE 2022	26.11.2022	Rishiraj College of Dental Sciences Bhopal
10.	Long Answer Question	Medical Education Unit course on Medical Education Technologies	Nov 2022	AIIMS, Raipur

Dr. Manish J. Raghani

S. No.	Title	CME/Conference	Date	Organised By
1.	Maxillary Tumours Management	25th Mid-Term Conference & 11th PG Convention of AOMSI, Coimbatore, T.N.	15.07.2022	Association of Oral & Maxillofacial Surgeons of India
2	Surgical Approaches to Facial Fractures	AOCMF Introductory Seminar, Raipur, C.G.	10.09.2022	AO CMF
3	Maxillofacial Infections and its Management	46th Annual Conference of AOMSI-2022, Indore, M.P.	18.11.2022	Association of Oral & Maxillofacial Surgeons of India
4	Maxillofacial Trauma Management	7th State Conference of Chhattisgarh State Chapter of AOMSI. "CG MAXCON 2022" Bilaspur, C.G.	03.12.2022	Chhattisgarh State Chapter of Association of Oral & Maxillofacial Surgeons of India

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

S. No.	Authors	Title	Conference	Date	Organised By
1.	Uppal N	Braided Wire Splint for Traumatic Dentoalveolar Injuries: An Innovative, Low-Cost, Effective Technique for Limited-Resource Settings	6th National Symposium of Indian Society of Dental Traumatology	02.04.2022	Indian Society of Dental Traumatology
2.	Uppal N	Acrylic "Lollipop" For Oral Rehabilitation After Release of TM Joint Ankylosis in a Pediatric Patient	3rd Congress of South Asian Association of Pediatric Dentistry	27.08.2022	South Asian Association of Pediatric Dentistry
3.	Uppal N	Biomechanics of The Mandible,	AOCMF Introductory Seminar	10-11.09.2022	AOCMF

		Mandibular Fracture Patterns			
4.	Uppal N	Cervicofacial Necrotizing Fasciitis: Pearls and Pitfalls in Management	46th Annual Conference of Association of Oral and Maxillofacial Surgeons of India	17 – 19.11.2022	Association of Oral and Maxillofacial Surgeons of India
5.	Uppal N	Infrared Thermal Imaging to Prognosticate Tooth Vitality After Traumatic Dental Injuries: A Case Series	1st Asian Regional Congress of Dental Traumatology	17– 18.12.2022	Indian Society of Dental Research (ISDR) & International Association of Dental Research (IADR)

Dr. Manish J. Raghani

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr. Manish J. Raghani	Haste Makes Waste: Things not to be Forgotten in Injury to Cheek	25th Mid-Term Conference & 11th PG Convention of AOMSI	16.07.2022	Association of Oral & Maxillofacial Surgeons of India

RESEARCH

Dr. Virat Galhotra

S. No.	Title	Funded by (Name of Funding agency)	Duration (years)	Start year-End year	Total Funds (Rs) sanctioned
1.	Clinical profile of Post Covid Mucormycosis in relation to the oral manifestations.	Non Funded	6 Months	2021 - 22	Nil
2.	Evaluation of the Effect of Prosthodontic Rehabilitation on Quality of Life and Psychological Distress in Maxillectomy Patients after Post-Covid Mucormycosis - a Prospective clinical Study.	Non Funded	1 Year	2021 - 22	Nil
3.	Rate of tooth movement in injectable PRP as compared to micro-osteoperforation in orthodontic patients an open label randomised control trial	Funded by AIIMS Raipur under Intra Mural Grant	12 Months	2021- 22	5 lakhs

As Co- investigator (Co-PI)

Ongoing Research:

S. No.	Title	Funded by (Name of Funding agency)	Duration (years)	Start year-End year	Total Funds (Rs) 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.	Funded by Morningside Healthcare Ltd, LE19 1WP, United Kingdom	1 Year	2022 -23	Rs. 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	ICMR, New Delhi	3 Years	2023-26	Rs. 97,50,026
3.	Intraoperator repeatability and interoperator reproducibility in the Winter's RED line for measurement of depth of impacted mandibular third molar tooth. A Prospective Observational Study.	Non Funded	1 year	2022-23	NA

Completed

S. No.	Project	Funded by (Name of Funding agency)	Duration (years)	Start year-End year	Total Funds (Rs) sanctioned
1.	Site based comparative analysis of sample collection through direct biopsy and nasal swab collection for early diagnosis of Post-COVID rhinomaxillary fungal infection using KoH mounting. A Retrospective Cohort study.	Non Funded	6 Months	2021-2022	NA
2.	Evaluation of the time taken for surgical removal of impacted disto-angular mandibular third molar using modified tooth sectioning technique compared to conventional technique- A randomized controlled clinical trial.	Non Funded	12 Months	2021-2022	NA

Funded Projects

Ongoing:

S. No.	Project	Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
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	Funded by Morningside Healthcare Ltd, LE19 1WP, United Kingdom	1 Year	2022-2023	• 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	Funded By ICMR, New Delhi	3 Years	2023-26	• 97,50,026
3.	Reinfection with Severe Acute Respiratory Syndrome Coronavirus-2 (SARS CoV-2) among healthcare workers in India	Dr Santhosh Rao as Co-Investigator	Funded By ICMR, New Delhi	2 Years	2021 - 2023	• 10,00,000

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Evaluate the functional, esthetic and quality of life outcome in patient with	Dr Santhosh Rao	AIIMS Raipur	1 Year (Extended till Dec 2021)	2019 - 2021	5 Lakhs

	Temporomandibular joint Ankylosis undergoing Concomitant Orthognathic surgery with Joint Reconstruction using vascularized second metatarsal graft: A Pilot Study					
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Dr. Manish J. Raghani

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
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	2021-22	5 Lakhs

Departmental Projects Non-Funded Projects/ ICMR-STC Projects

Ongoing

S. No.	Project
1.	Medical Undergraduate Knowledge, Attitudes, and Practices in Dental Self-Care: An Analytical Cross-Sectional Study.
2.	Thermal Imaging Findings of Maxillofacial Inflammation: A Cross-Sectional Study
3.	Intraoperator Repeatability and Interoperator Reproducibility in the Winter's RED Line for Measurement of Depth of Impacted Mandibular Third Molar Tooth. A Prospective Observational Study.
4.	Does 5-Fluorouracil Increase the Mouth Opening in Patients with Oral Submucous Fibrosis? A Prospective Cohort Pilot Study.
5.	Outcome Assessment of Concomitant Total Temporomandibular Joint Replacement and Orthognathic Surgery Using Patient Specific Implants in TMJ Ankylosis, A Prospective Cohort Study
6.	Sutured Versus Sutureless Anterior Releasing Incision of Triangular Flap Following Surgical Removal of Impacted Mandibular Third Molars: A Single Blinded Randomized Controlled Trial.
7.	The Effect of Sequencing the Condylar Fracture Fixation on Its Operative Time for Effective

	Fixation Amongst the Patients with Multifocal Fractures of Mandible - A Randomized Controlled Clinical Trial.
8.	Comparative Assessment of Improvement in Masticatory Efficiency in Patients with Anterior Mandibular Fractures Treated with Four-Hole Versus Six-Hole Mini Plate Fixation: A Pilot Randomized Controlled Trial.
9.	Oral and Dental Changes in Pediatric Patients with Malignancy Receiving Chemotherapy
10.	Efficacy of Cold Saline Irrigation in Reduction of Post-Operative Pain, Swelling And Trismus of Impacted Mandibular Third Molar Surgery.
11.	Radiographic Evaluation of Changes Induced by Hyluronic Acid in Comparison with MTA as a Pulpotomy Medicament in Primary Molars- A Randomised Controlled Clinical Trial.
12.	Estimation of Prevalence of Molar Incisor Hypomineralization Among Primary and Middle School Children- A Cross Sectional Study

Completed

S. No.	Project
1.	Radionuclide Bone Scan in Evaluation of Temporomandibular Joints.
2.	Clinical Profile of Post Covid Mucormycosis in Relation to the Oral Manifestations.
3.	Psychological Distress Fear and Anxiety Amongst Dental Practitioners in India During COVID -19 Pandemic: Nationwide Online Survey.
4.	Site Based Comparative Analysis of Sample Collection through Direct Biopsy and Nasal Swab Collection for Early Diagnosis of Post-COVID Rhinomaxillary Fungal Infection using Koh Mounting. A Retrospective Cohort Study.
5.	Evaluation of the Effect of Prosthodontic Rehabilitation on Quality of Life And Psychological Distress In Maxillectomy Patients After Post-Covid Mucormycosis - A Prospective Clinical Study.
6.	Evaluation of the Time Taken for Surgical Removal of Impacted Disto-Angular Mandibular Third Molar Using Modified Tooth Sectioning Technique Compared to Conventional Technique- A Randomized Controlled Clinical Trial.
7.	Assessment of Functional Neurosensory Recovery of Mental Nerve, Following its Skeletonization in Patients Undergoing Intraoral Open Reduction Internal Fixation for Mandibular Fractures - A Prospective Cohort Study
8.	Evaluation of the Effectiveness of Primary Closure Using Keratinised Palatal Mucosa Following Maxillectomy in Patients with Rhinomaxillary Mucormycosis - An Ambispective Study.

Collaborative Projects

Dr. Nakul Uppal

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	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	Trauma & Emergency

Dr Santhosh Rao

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Reinfection with Severe Acute Respiratory Syndrome Coronavirus-2 (SARS CoV-2) among healthcare workers in India	<ul style="list-style-type: none"> General Medicine General Surgery

PUBLICATIONS

- 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.
- Agarwal S, Rao S, Lepcha J, **Galhotra V**. Large erupted complex odontoma mimicking maxillary osteomyelitis. *BMJ Case Rep*. 2023;16(1).
- Agarwal SS, Ansari HMN, Rao S, **Galhotra V**. Extrapulmonary tuberculosis and COVID-19 infection coexisting in concurrent necrotising fasciitis with deep space infection of neck: an unusual presentation. *BMJ Case Rep*. 2022;15(6).
- Agarwal SS, Anand P, Rao S, **Galhotra V**. Site-Based Comparative Analysis of Sample Collection Through Direct Biopsy and Nasal Swabs for Early Diagnosis of Post-COVID Rhinomaxillary Fungal Infection Using Potassium Hydroxide Mounting: A Retrospective Cohort Study. *J Maxillofac Oral Surg*. 2022;1-9.
- Agarwal SS, Abdul Hafeez A, Rao S, **Galhotra V**, Das P. Oral Melioidosis in Odontogenic Keratocyst of Mandible. *J Maxillofac Oral Surg*. 2022;1-7.
- Galhotra V**, Rao S, Goel P. Talons cusp in a primary maxillary central incisor: A report of a rare odontogenic anomaly. *J Indian Soc Pedodontics Prev Dent*. 2022;40(1):90-3
- Ansari HM, Rao S, Sharma A, **Galhotra V**. Oral Submucous Fibrosis Secondary to Buccal Mucosal Graft for Urethroplasty. *Indian J Otolaryngol Head Neck Surg*. 2022;74(Suppl 3):5601-3.
- 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;81(3):318-28.
- Agarwal SS, Jith N, Rao S, **Rao S**. Simplified Method for Reduction of Displaced Condylar Head Fracture Using a Monocortical Screw. *J Maxillofac Oral Surg*. 2023;22(1):33-8.
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16. Chandan SN, **Rao S**. Dietary interventions and nutritional impact on oral health and development: a review. *Journal of Food Science and Technology*. 2022.
 17. Anand P, Bharadwaj S, Ganguly S, **Rao S**. Palatal perforation in a patient with borderline lepromatous leprosy: leprosy still not eradicated. *BMJ Case Rep*. 2022;15(10).
 18. Agarwal SS, Ansari HMN, **Rao S, Galhotra V**. Extrapulmonary tuberculosis and COVID-19 infection coexisting in concurrent necrotising fasciitis with deep space infection of neck: an unusual presentation. *BMJ Case Rep*. 2022;15(6).
 19. Agarwal SS, Anand P, **Rao S, Galhotra V**. Site-Based Comparative Analysis of Sample Collection Through Direct Biopsy and Nasal Swabs for Early Diagnosis of Post-COVID Rhinomaxillary Fungal Infection Using Potassium Hydroxide Mounting: A Retrospective Cohort Study. *J Maxillofac Oral Surg*. 2022;1-9.
 20. Agarwal SS, Abdul Hafeez A, **Rao S, Galhotra V**, Das P. Oral Melioidosis in Odontogenic Keratocyst of Mandible. *J Maxillofac Oral Surg*. 2022;1-7.
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 22. Rao S, Shukla S, **Rao S**. Use of Orthopaedic Impactor to Assist the Fine Reduction of Rotated Zygomaticomaxillary Complex Fractures. *Indian J Otolaryngol Head Neck Surg*. 2022;74(Suppl 3):4533-4.
 23. Ansari HM, **Rao S**, Sharma A, **Galhotra V**. Oral Submucous Fibrosis Secondary to Buccal Mucosal Graft for Urethroplasty. *Indian J Otolaryngol Head Neck Surg*. 2022;74(Suppl 3):5601-3.
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 27. **Raghani M**, Md Nasimuddin Ansari H, Hafeez A, et al. Post-COVID Mucormycosis Involving Mandible: A Rare Phenomenon. *Cureus* 15(1): e34260. (January 2023) DOI 10.7759/cureus.34260.
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Abstracts Published in Journal(s):

1. SS Shetty, N Uppal, R Singh. Skull-based model for inferior alveolar nerve block. *Oral Surgery* 15 (4), 718-719.
2. N Uppal, A Hafeez, HMN Ansari, F Xavier, AK Gupta. Post-traumatic tuberculosis of Zygoma—An uncommon presentation. *Journal of Stomatology, Oral and Maxillofacial Surgery* 123 (5), e604-e608.
3. Uppal N, Ansari MN, Dadsena K, Xavier F, Mithani H. Acrylic “lollipop” for jaw rehabilitation after release of joint ankylosis in paediatric patients. *Tropical Doctor* 2023 Apr doi:10.1177/00494755221114706.

PATIENT CARE

OPD	Procedures	Major OT
24,708	18826	256

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Got the best faculty oral paper award at 6th ISDT National Symposium at Coimbatore on 02 April 2022.
2. Got the best faculty e-poster award at 46th National Conference of AOMSI at Indore on 17-19 November 2022.
3. IPR published during the 2022- 2023
4. Custom TMJ Condyle "AN IMPLANT" Patent application no 350556-001 by Dr. Santhosh Rao
5. Custom TMJ fossa " AN IMPLANT" Patent application no 350557-001 by Dr. Santhosh Rao
6. Custom Periosteal Implant for Maxillary Reconstruction Patent application no 355476-001 by Dr. Santhosh Rao & Dr. Virat Galhotra
7. Dr. Virat Galhotra as co-author of Scientific Poster titled "Grapeseed extract- A promising remineralising agent? won 1st Prize at 43rd National ISPPD conference Pedotaal 2022 People's Dental college, Bhopal, Madhya Pradesh (23rd to 26th November)
8. Dr. Virat Galhotra as co-author of Scientific Poster titled "Photobiomodulation- An innovation in pediatric dentistry" won 1st Prize at 19th National ISPPD PG Convention Pedoverse 2023 Saveetha Dental college, Chennai (24th- 26th February)
9. Dr. Virat Galhotra as co-author of Scientific Poster titled, "Naseo-alveolar molding- Glowing upsmiles" won Best poster award at 42nd National ISPPD conference Pedodisha 21 ,virtual conference (25-27th November)
10. Dr. Virat Galhotra as co-author of Scientific Paper titles, "Oral and dental changes in Pediatric patients with malignancy receiving Chemotherapy" won 3rd at 19th National ISPPD PG Convention Pedoverse 2023 ,Chennai (24-26th February)
11. **Dr. Manish J. Raghani** as Co-author of Scientific Poster titled "Massive Craniofacial fibrous dysplasia compounded with Thalassemia leaving the Surgeon Perplexed" won 1st Prize at 7th State Conference of Chhattisgarh State Chapter of AOMSI. "CG MAXCON 2022" Bilaspur, C.G.
12. **Dr. Manish J. Raghani** as Co-author of Scientific Paper titled "Management of Extensive Cervicofacial Infections "From a Different Perspective" won 1st Prize at 7th State Conference of Chhattisgarh State Chapter of AOMSI. "CG MAXCON 2022" Bilaspur, C.

Department of Dermatology

Additional Professor & Head of the Department

Dr. Satyaki Ganguly

Associate Professor

Dr. Namrata Chhabra Sharma

Assistant Professors

Dr. Neel Prabha

Dr. Navneet Kour (from 30.07.2022)

Dr. Soumil Khare (from 3.10.2022)

HIGHLIGHTS

The Department organized a dedicated CME on leprosy on 19.02.23 with participation of renowned national faculties. The Department carried out an awareness campaign for the outpatient attendees on the occasion of world Leprosy day on 30th January with the participation of office bearers of Chhattisgarh branch of Indian Association of Dermatologists, Venereologists and Leprologists. Nd-YAG LASER facility was introduced for better patient care.

EDUCATION

Post-graduate students Dr. Chandan Singh and Dr. Praveen Kumar won the 2nd prize in the quiz competition in International Leprosy Congress 2022. Post-graduate students Dr. Praveen Kumar and Dr. Susmita Banra won scholarships to attend the International Leprosy Congress 2022 and MID DERMACON 2022 respectively. Dr. Susmita Banra,

Dr. Praveen Kumar and Dr. Tamil Kumar S won the first, second and third prizes respectively for award paper presentations in CUTICON CG 2022. The Department increased the frequency of interdepartmental meets with department of pathology. A quiz competition for interns on leprosy and neglected tropical diseases was organized on the occasion of world Leprosy day and world Neglected Tropical Diseases day on 30th January and the prizes were handed over to the winning teams by respected director and CEO of AIIMS Raipur, Prof.(Dr.) Nitin M. Nagarkar and Dean(Academics) Prof.(Dr.) Alok C. Agrawal during the leprosy CME organized by the department on 19th February. The Department participated in 3 integrated teaching sessions and undertook one teaching session organized by Medical Education Unit for undergraduate teaching.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organised By
1.	Leprosy: The Elephant at Large	CME	19.02.2023	Dept. of Dermatology, AIIMS Raipur
2.	Leprosy Training for Medical Officers	Workshop	28.02.2023 to 1.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
3	Leprosy Training for Medical Officers	Workshop	13- 14.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Satyaki Ganguly

S. No.	Title	CME/Conference	Date	Organised By
1.	Lepra Reaction and It's Management	DLO training	12.07.2022	RLTRI, Raipur
2.	Update On Pathogenesis and Treatment of 'Premature Canities'	IADVL-SIG Trichology CME	14.08.2022	SIG Trichology and IADVL MP and IADVL CG branch
3.	Management Updates on Cutaneous Leishmaniasis	IADVL-SIG NTD CME	27.08.2022	SIG NTD and IADVL Delhi branch
4.	Lepra Reaction and It's Management	DLO training	7.09.2022	RLTRI, Raipur
5.	Update on Phototherapy in Psoriasis	MID DERMACON 2022	24.09.2022	IADVL UP and UK
6.	Phototherapy Update	CME on psoriasis	30.10.2022	SIG psoriasis and IADVL Odisha branch
7.	Pulsed Corticosteroids Are Better Than Daily Corticosteroids in Pediatric Dermatoses-debate	e-PEDDERMACON 2022	10.12.2022	SIG Pediatric dermatology
8.	Mucosal Presentations	9th Virtual PGCON 2022	18.12.2022	IADVL Academy
9.	Diagnosis of lepra reaction	Leprosy training for medical officers	1.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
10.	Diagnosis of lepra reaction	Leprosy training for medical officers	14.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
11.	Managing Difficult Scenarios in Lichen Planus	Open House conclave in Clinical Dermatology	24.03.2023	Open House Conclave

Dr. Namrata Chhabra Sharma

S. No.	Title	CME/Conference	Date	Organised By
1.	Update on systemic management of Atopic dermatitis	CUTICON CG 2022	10.12.2022	IADVL CG Branch
2.	Immunoprophylaxis of Leprosy	MID CUTICON CG 2022	4.9.2022	IADVL CG branch
3.	Immunoprophylaxis of Leprosy	CME on Leprosy at SCB MCH, Cuttack	28.08.2022	SIG Leprosy & IADVL Odisha branch
4.	Diagnosis of lepra reaction	Leprosy training for medical officers	1.03.2023	Dept. of Dermatology,

				AIIMS Raipur with DHS, Govt. of CG
5.	Hand Hygiene	Workshop on Infection Control Practices	18.01.2023	HICC, AIIMS Raipur
6.	Isolation Precautions	Workshop on Infection Control Practices	30.11.2022	HICC, AIIMS Raipur
7.	Hand Hygiene	Workshop on Infection Control Practices	19.10.2022	HICC, AIIMS Raipur

Dr. Neel Prabha

S. No.	Title	CME/Conference	Date	Organised By
1.	Rhinosporidiosis: A dermatologist's prospective	CME (webinar) on "Neglected Tropical Diseases"	22.5.2022	SIG Neglected Tropical Diseases and IADVL CG branch
2.	Neuropathic pain : A neglected part of leprosy	MID CUTICON CG 2022	4.9.2022	IADVL CG branch
3.	Acute Methotrexate toxicity with low dose: How to prevent it?	CUTICON CG 2022	11.12.2022	IADVL CG branch
4.	Common skin diseases	Online training for community health officers	9.9.2022	State Health Resource Centre Chhattisgarh
5.	Management of refractory erythema nodosumleprosum cases	Online training programme for District leprosy officers	10.12.2022	RLTRI, Raipur
6.	Treatment of Leprosy	Leprosy training for medical officers	1.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
7.	Treatment of Leprosy	Leprosy training for medical officers	14.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG

Dr. Navneet Kour

S. No.	Title	CME/Conference	Date	Organised By
1.	Tuberculids:Lest we forget	CUTICON - CG 2022	10.12.2022	IADVL, CG
2.	Management of lepra reaction	Leprosy training for medical officers	1.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
3.	Management of lepra reaction	Leprosy training for medical officers	14.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG

Dr. Soumil Khare

S. No.	Title	CME/Conference	Date	Organised By
1.	Hyperpigmentation: through a dermoscope.	CUTICON - CG 2022	10.12.22	IADVL, CG
2.	Dermoscopy for exam-going students	9th Virtual PGCON 2022	18.12.2022	IADVL Academy
3.	Workshop: Office procedures – Dermoscopy	CUTICON GSB 2022	23.12.2023	IADVL, GSB
4.	History taking in the case of hair loss	Trichology Masters connect	15.12.2023	Tichology India
5.	Onychoscopy for specific diagnosis of Onychodystrophy	Dermacon International 2023	25.02.2023	IADVL
6.	Diagnosis of leprosy	Leprosy training for medical officers	1.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG
7.	Diagnosis of leprosy	Leprosy training for medical officers	14.03.2023	Dept. of Dermatology, AIIMS Raipur with DHS, Govt. of CG

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Kumar P, Ganguly S	Quality Of Life in Foot Eczema	MID DERMACON 2022	23.09.2022	IADVL UP and UK
2.	Kumar P, Singh A, Ganguly S, Chhabra N, Prabha N	Kaleidoscope of Atypical Leprosy ☆	CUTICON CG 2022	11.12.2022	IADVL CG
3.	Banra S, Singh A, Ganguly S	Mottled Pignmentation Disorders: A Case Series ☆	CUTICON CG 2022	11.12.2022	IADVL CG
4.	Banra S, Khare S	Double Trouble: Marginal Papular Acrokeratoderma With Punctate Keratoderma of Palmar	DERMACON international 2023	25.02.2023	IADVL Maharashtra

		Creases: A Case Report			
5.	Bharadwaj S, Ganguly S	Deaths In Pemphigus Vulgaris Patients: A Case Series	CUTICON MP 2022	6.11.2023	IADVL MP
6.	Bharadwaj S, Khare S	Bullous Mantoux Reaction: Case Series of a Rare Clinical Manifestation	DERMACON international 2023	25.02.2023	IADVL Maharashtra
7.	Reddy PSM, Khare S	Dermoscopy of Basal Cell Carcinoma in Skin of Colour: Case Series	CUTICON CG 2022	11.12.2022	IADVL CG
8.	Reddy PSM, Chhabra N	Evaluation of Frequency of Minor Features from Hanifin Rajka's Criteria In Pediatric Atopic Dermatitis- Cross Sectional Study From Central India	DERMACON international 2023	25.02.2023	IADVL Maharashtra
9.	Kumar TS, Khare S	Warts- Notoriously Omnipresent ☆☆☆	CUTICON CG 2022	11.12.2022	IADVL CG
10.	Singh C, Prabha N	Nail manifestations in Chronic Kidney Disease	MID DERMACON 2022	23.09.2022	IADVL UP and UK
11.	Bhatnagar A, Khare S	Dermatological Disorders in HIV Positive Patients	CUTICON CG 2022 11.12.2022 IADVL CG	11.12.2022	IADVL CG
12	Aathira VS, Khare S, Prabha N	Dermoscopy of Tattoo	CUTICON CG 2022 11.12.2022 IADVL	11.12.2022	IADVL CG

		Granuloma	CG		
13.	Preethaa SP, Prabha n, Chhabra N, Ganguly S	Management Of Actinomyceto ma- Our Experience of 3 Cases	CUTICON CG 2022 11.12.2022 IADVL CG	11.12.2022	IADVL CG
14.	Choudhary R, Chhabra N	Comparison of Serum Levels of Interleukin - 17 And Interleukin - 9 In Leprosy Patients with And Without Lepra Reaction	21st International Leprosy Congress 2022	10.11.2022	IAL, IADVL
15.	Chhabra N, Hitesh Yadav	Treatment of chronic/ recurrent steroid dependent Erythema Nodosum Lep rosom: Experience from tertiary care centre of Central India	21 st International Leprosy Congress 2022	10.11.2022	IAL, IADVL

★ 2nd prize, ★★ 1st prize, ★★★ 3rd prize

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	HLA association in Leprosy Patients from An Endemic area of Central India : A Case- Control Study	Dr. Neel Prabha	AIIMS, Raipur	2 years	2021-2023	5 lakhs
2.	To Study the Effectiveness and Safety of Prednisolone and Colchicine in	Dr.Namrata Chhabra Sharma	IADVL	2 years	2021-2023	Rs 76000

	Comparison with Prednisolone alone in the Treatment of Moderate and Severe Erythema Nodosum Leprosum: An Open Label Randomized Controlled Trial					
3.	A Multicentric Randomized Controlled Trial (RCT) to Compare the Efficacy and Safety of WHO MDT MBR (multi-Bacillary Regimen) with Daily Rifampicin Versus WHO MDT MBR (Multi-Bacillary Regimen) with Placebo in Highly Bacillated Multibacillary Leprosy Patients.	Dr.Namrata Chhabra Sharma	IADVL	2 years	2023-2025	Rs 7,00,000
4.	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	Rs 2,25,000

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

Ongoing

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 Its 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
6.	Monocyte to High density lipoprotein ratio (MHR) and monocyte to lymphocyte ratio (MLR) in Vitiligo: A case control study
7.	Evaluation of Risk Factors and Serological Determinants (Anti PGL1 levels) in Leprosy Reactions in a tertiary Care Institute
8.	Identification of Candida species isolated from Patients of pemphigus Vulgaris with Oral Candidiasis and their antifungal sensitivity pattern

Completed

S. No.	Project
1.	Efficacy And Safety of Intralesional Candida Albicans Antigen Versus Intralesional Mumps Measles Rubella Vaccine in The Treatment of Multiple Cutaneous Warts: A Double-Blinded Randomized Controlled Trial
2.	Comparison Of Serum Levels of Interleukin -17 And Interleukin -9 In Leprosy Patients with And Without Lepra Reaction
3.	Serum levels of interleukin 17 and 25 hydroxy Vitamin D in nonsegmental vitiligo patient- A case control study
4.	A Cross Sectional Study of Dermatological Manifestations in Chronic Kidney Disease Patients in A Tertiary Care Institute of Central India
5.	A Clinico-epidemiological study of disabilities in leprosy patients
6.	Telogen Effluvium following COVID-19 Infection

Collaborative Projects**Ongoing**

S. 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 and Family Medicine
2.	Expression of IL-37 and NLRP3 in the skin lesions of leprosy	Pathology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Correlation of Ocular Manifestations with Clinical variants of Leprosy based on Ridley Jopling and WHO classification	Ophthalmology

PUBLICATIONS

- Singh A, Kumar TS, **Ganguly S**, Reddy MPS. Myiasis as a Rare Complication of Neglected Pemphigus Vulgaris: Two Cases. Indian J Dermatol. 2022;67(6):797-799.
- Ganguly S**, Jaykar KC, **Chhabra N**, **Prabha N**. An Analysis of Interns' Feedback after Dermatology Posting. Indian J Dermatol. 2022;67(3):313.
- Singh A, Choudhary R, **Ganguly S**, Singh V. Acquired Speckled Acrofacial Hypomelanosis: A Novel Presentation of an Existing Dermatoses. Indian Dermatol Online J. 2022;13:657-9.
- Ahmed G, **Ganguly S**, **Khare S**. Atrophic Lingual Plaque in Father-Son Duo. Indian Dermatol Online J. 2022;13:672-4.
- Singh A, Rahim JS, **Ganguly S**. Systemic Allergic Contact Dermatitis Post Inactivated COVID-19 Vaccine. Indian Dermatol Online J. 2022;13:648-9.
- Mannava AS, Wesley Garapati CA, **Ganguly S**, Jaykar KC. Multifocal cutaneous tuberculosis coexisting with pulmonary tuberculosis. Int J Mycobacteriol. 2022;11:329-31.

7. Singh A, **Ganguly S**, **Chhabra N**, Singh V. Rare Co-Existent Dermatitis Herpetiformis and Psoriasis in a Child: A Causal Relationship? *Cureus*. 2022;14:e29218.
8. Ahmed G, **Ganguly S**, George CA, Rahim JS. SkIndia Quiz: An Elderly Woman with Persistent and Painful Genital Erosion. *Indian Dermatol Online J*. 2022;13:429-31.
9. Anand P, Bharadwaj S, **Ganguly S**, Rao S. Palatal perforation in a patient with borderline lepromatous leprosy; leprosy still not eradicated. *BMJ Case Rep*. 2022;15:e251798.
10. **Chhabra N**, Raut S, **Ganguly S**, Hussain N. Relapse of pemphigus foliaceus initiating at the site of irradiation in an elderly male with laryngeal carcinoma: Illustrating the concept of immunocompromised cutaneous district. *Indian J Cancer*. 2022;59:276-8.
11. Ahmed G, George CA, Rahim JS, **Ganguly S**. Localized scabies crustose over the engrafted skin: Report of two cases. *J CosmetDermatol*. 2022 Jun 17.
12. Shravani B, **Ganguly S**, Shukla AK, **Chhabra N**, **Prabha N**, Sachdev D, **Khare S**. Grade 2 disability among leprosy patients: A pilot study from an endemic area of Central India. *J Family Med Prim Care*. 2022;11:1416-20.
13. Parthasaradhi A, **Ganguly S**, Kar BR, Thomas J, Neema S, Tahiliani S, et al. Coronavirus disease 2019 vaccination in patients with psoriasis: A position statement from India by SIG psoriasis (IADVL Academy). *Indian J DermatolVenereolLeprol*. 2022;88:286-90.
14. Singh A, Bharadwaj SJ, Chirayath AG, **Ganguly S**. Development of severe pemphigus vulgaris following ChAdOx1 nCoV-19 vaccination and review of literature. *J CosmetDermatol*. 2022:10.
15. Ahmed G, George C A, **Ganguly S**. Post-COVID-19 biologically false-positive VDRL: A report. *Int J STD AIDS*. 2022;33:525-6.
16. Vinay K, Ankad BS, Narayan R V, Chatterjee D, Bhat YJ, Neema S, Shah S, Chauhan P, **Khare S**, et al. A multicentric study on dermoscopic patterns and clinical-dermoscopic-histological correlates of basal cell carcinoma in Indian skin. *ClinExpDermatol*. 2022;47(11):1982-1990.
17. **Prabha N**, Yadav H. Various techniques for marking patch test sites. *Indian J DermatolVenereolLeprol*. 2022 Oct 31:1-4.
18. **Prabha N**, **Khare S**. Azathioprine-Induced Anagen effluvium with myelosuppression. *Skinmed*. 2022;20:192-196.
19. **Prabha N**, **Khare S**, Yadav H, Hussain N. Hyperpigmented papules over labium majus: A venereal cause or something else. *Indian J Sex Transm Dis AIDS*. 2022;43:232
20. **Chhabra N**, Raut S, George C A. Case Report: Disseminated Vegetating Plaques Occurring over Chronic Recalcitrant Dermatophytosis in an Immunocompromised Patient. *Am J Trop Med Hyg*. 2022;108(1):31-33.
21. **Chhabra N**, **Khare S**, Sachdev D. Dermoscopy as an efficient aid to diagnose pigmentary and vascular component of periorbital melanosis: A cross-sectional study. *J CosmetDermatol*. 2022;21(11):5880-5886.

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,	Satyaki Ganguly	Neurocutaneous Conditions	PC Das, Piyush Kumar	Atlas of Clinical Dermatology in Coloured Skin: A Morphological Approach	1st	Oxford	CRC Taylor and Francis	2023	1-14

2.	Navneet Kour	Neoplasia	Lalit K Gupta	IADVL Multiple Choice Questions in Dermatology, Venereology & Leprosy	1st	Mumbai	Knowledge Bridge	2022	403-32
3.	Neel Prabha	Non facial acne scar treatment	Arora G, Garg S	Treatment of Acne scars	1st	Mumbai	Bhalani publisher	2022	268-275
4.	Namrata Chhabra Sharma	Chemoprophylaxis, Immunoprophylaxis and Immunotherapeutics in Leprosy	Kabir Sarana, Ananta K hurana	Jopling's Handbook of Leprosy	7 th edition	New Delhi	CBS Publishers	2023	324-337

PATIENT CARE

	OPD	IPD	Minor OT	Tests	Special Clinics
Total	53001	496	9798	625	120

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Satyaki Ganguly was nominated as a member of the Institutional Ethical Committee of CSVTU, Bilai. He was selected as member of Special Interest Groups on Psoriasis and Neglected Tropical Diseases (2021-2022) by Indian Association of Dermatologists, Venereologists and Leprologists. He was also selected as a IADVL Central Council member representing IADVL Chhattisgarh branch. He was a moderator for panel discussions 'Childhood psoriasis, pityriasis rubrapilaris and eruptive lichen planus' in Open House conclave on clinical dermatology at Jodhpur, 'Difficult to treat cases' in CUTICON CG 2022 at Bilaspur, 'Managing acute skin failure' in MID-DERMACON 2022 at Lucknow, Legends

'Diagnosis and management of cutaneous vasculitis', in MID-CUTICON Chhattisgarh 2022 at Bilaspur, and 'Interesting cases relating to NTDs' in Virtual CME on Neglected Tropical diseases'. He was a panelist for panel discussions 'Flexural dermatoses' in DAAS Summit, and on psoriasis in MID-DERMACON 2022 at Lucknow.

Dr Neel Prabha was selected as member of Special Interest Group on Leprosy, 2023-24 by Indian Association of Dermatologists, Venereologists and Leprologists. She also received approval for IMSA Fellowship by International Medical Sciences Academy.

Department of Endocrinology & Metabolism

Associate Professor & In-charge

Dr. Amritava Ghosh

HIGHLIGHTS

The Department established podiatry set up for early Diagnosis and treatment of diabetic foot complications.

EDUCATION

DM (Endocrinology) course was approved with annual intake of 2 students (1 student per session)

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amritava Ghosh

S. No.	Title	CME/Conference	Date	Organized By
1.	Perioperative Management of Pheochromocytoma	Annual Conference of Research Society for the Study of Diabetes in India, West Bengal Chapter and Endocrine Society of Bengal (CRESCENDO) 2022	28-30.04.2022	Research Society for the Study of Diabetes in India, West Bengal Chapter and Endocrine Society of Bengal
2.	Wound Workup / Investigations	20th Annual Conference of Diabetic Foot Society India & 18th Annual Conference of Asia Pacific Association for Diabetic Limb Problems (20th DFSICON & 18th APADLPCON)	14 - 16.10.2022	Diabetic Foot Society India & Asia Pacific Association for Diabetic Limb Problems
3.	Hypothyroidism in Pregnancy What's New?	Bengal Diabetes Conference (BDCON-2022)	05-06.11.2022	Bengal Diabetes Foundation
4.	Internal Assessment	MEU Faculty Training / Workshop	28-30.11.2022	AIIMS, Raipur
5.	Classification and Triage of Diabetic Foot Complications	51st Annual Meeting of Endocrine Society of India (ESICON 2022)	21-24.12.2022	Endocrine Society of India
6.	Role of Nanotechnology in Diabetic Wound Healing	National CME on Role of Nanotechnology in Health Care	28.03.2023	AIIMS, Raipur & National Academy of Medical Sciences New Delhi

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Ghosh A	Sex Chromosome Disorder of Sex Development	1st Endo club meet (Virtual) of 22-23	16.11.2023	Madhya Pradesh Endocrine Society

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	Rs. 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

Collaborative Projects

Ongoing

S. 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.	Evaluation of Efficacy and Safety of Hydroxychloroquine when Used as an Add-on Therapy in Type 2 Diabetes Patients Uncontrolled on Metformin Monotherapy: A Randomized Double-blind, Placebo-controlled Study	Department of General Medicine, AIIMS, Raipur
3.	Association Between p53 Codon 72 Polymorphism and Diabetic Polyneuropathy in Type 2 Diabetes Mellitus: A Pilot Study	Department of Physiology, AIIMS, Raipur
4.	Study of BRAF V600E mutations in a cohort of thyroid lesions using immunohistochemistry (IHC) and polymerase chain reaction (PCR)	Department of Pathology & Lab Medicine, AIIMS, Raipur
5.	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, AIIMS, Raipur
6.	A Multicenter, Randomized, Open-Label, Parallel-Group, Four-Arm, Phase III, Active Controlled Comparative Study to Assess Efficacy and Safety of	Department of General Medicine, AIIMS, Raipur

	Fixed Dose Combination of Dapagliflozin, Glimepiride and Metformin Hydrochloride Tablets in Comparison to Co-administration of Glimepiride and Metformin Hydrochloride Tablets in Patients With Type 2 Diabetes Mellitus	
7.	Correlation of Dual Energy X-ray Absorptiometry with Markers of Bone Metabolism in Femur Fractures	Department of Orthopaedics, AIIMS, Raipur
8.	A Cross Sectional Observational Study of the Prevalence of Dry Eye Among Type 1 and Type 2 Diabetic Patients	Department of Ophthalmology, AIIMS, Raipur
9.	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, AIIMS, Raipur
10.	Metformin versus Insulin therapy for Glycaemic Control in Pregnant Women with GDM: An Open Label Randomized Control Trial	Department of Obstetrics & Gynaecology, AIIMS, Raipur
11.	Prevalence of Neuropathy in Graves' Disease	Department of General Medicine, AIIMS, Raipur
12.	Clinical Correlates of Insulin Resistance in Patients of First-episode Schizophrenia and their First Degree Relatives – A Cross-Sectional Study	Department of Psychiatry, AIIMS, Raipur
13.	Effect of Vitamin D3 Supplementation on Glycaemic Control and Cardiovascular Risk in Type 2 Diabetes Mellitus Patients with Vitamin D Insufficiency: A Randomized Open-labelled Parallel Group Two Arm Study	Department of Pharmacology, AIIMS, Raipur
14.	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, AIIMS, Raipur
15.	Clinical Profile of Hypopituitarism in a Tertiary Care Centre in Central India	Department of General Medicine, AIIMS, Raipur
16.	Characterization of Hyponatremia in Patients of Chronic Kidney Disease of Unknown Etiology (CKDu) Visiting AIIMS Raipur	Department of Nephrology, AIIMS, Raipur
17.	Expression of MicroRNA 221 and Endocan in Patients with Diabetic Peripheral Neuropathy- An Observational Study	Department of Biochemistry, AIIMS, Raipur
18.	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, AIIMS, Raipur
19.	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, AIIMS, Raipur
20.	Spectrum of Real Time Shear Wave Ultrasound Elastography in Various Thyroid Disorders	Department of Radiodiagnosis, AIIMS, Raipur

21.	Characterization of Video Urodynamic Parameters in Female Patients with Diabetes Mellitus Complaining Lower Urinary Tract Symptoms	Department of Urology, AIIMS, Raipur
22.	Cognitive Dysfunction in Diabetic Neuropathy Patients- An Electrophysiological Approach	Department of Physiology, AIIMS, Raipur
23.	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, AIIMS, Raipur
24.	Characterization of Mineral Bone Disease in Patients of CKDu	Department of Nephrology, AIIMS, Raipur

Completed

S. No.	Project	Collaborating Department/Institution
1.	Use of Ambulatory Glucose Profile in Effective Monitoring and Control of Gestational Diabetes Mellitus	Department of General Medicine, AIIMS, Raipur

PUBLICATIONS

- Baidya A, Basu AK, Bhattacharjee R, Biswas D, Biswas K, Chakraborty PP,**Ghosh A**, et al. Diagnostic approach in 46, XY DSD: an endocrine society of bengal (ESB) consensus statement. J PediatrEndocrinolMetab. 2022 Nov 25;36(1):4-18. doi: 10.1515/jpem-2022-0515.
- Rastogi A, Mukhopadhyay S, Sahoo JP, Mennon A, **Ghosh A**, Jha S, et al. Intensive Glycemic Control for Diabetic Foot Ulcer Healing: A Multicentric, Randomized, Parallel Arm, Single-Blind, Controlled Study Protocol (INGLOBE Study). Int J Low Extrem Wounds. 2022 Dec;21(4):443-9. doi: 10.1177/1534734620952245.

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.	Amritava Ghosh	Radiological Manifestations of Common Bone Disorders Including Bone Mineral Density (Basics)	Sandhya A Kamath	API Textbook of Medicine	12 th Edition	New Delhi	Jaypee Brothers Medical Publishers	2022	e-247 – e-258

Edited Book

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Section Editors: Amritava Ghosh, Jugalkishor Sharma, Anand Moses	Epidemiology	Editor-in-Chief: Sujoy Ghosh	RSSDI Yearbook of Diabetes 2022	-	New Delhi	Jaypee Brothers Medical Publishers	2022	12 - 51

PATIENT CARE

	OPD	IPD	Minor OT	Tests	Special Clinics
Total	14365	132	256	1850	1393

Department of ENT –Head & Neck Surgery

Professor & Head of the Department

Prof. (Dr.) Nitin M Nagarkar

Additional Professors

Dr. Rupa Mehta

Dr. Ripu Daman Arora

Associate Professors

Dr. Satish S Satpute

Dr. Sharmistha Chakravarty

HIGHLIGHTS

The Department of Otolaryngology-Head & Neck Surgery at AIIMS Raipur has been instrumental in providing comprehensive, personalized care for various routine and complex ENT and Head & Neck disorders. Patients with complex ENT disorders from across the country come to seek quality services in the department. Our Department is fully equipped with the latest and the best instruments and gadgets in the operating theatre and OPD labs. We have advanced microscopes with fine optics, Endoscopic and Microscopic instruments, Coblation, Laser services, well equipped modular Operation theatres and a fully functional Vertigo Lab, Audiology and Speech language Pathology Unit. Multidisciplinary team approach is utilised for the management of Head and Neck Cancers, Thyroid and parathyroid disease, Endoscopic nasal and skull base lesions, vascular tumours (Angiofibroma, Hemangioma and

Lymphangioma), and salivary gland neoplasms. Universal newborn hearing screening & cochlear implantation program is in full swing for the management of hearing impaired children and adults. The department regularly organises CMEs, workshops and camps for raising awareness about preventable common ENT, head and Neck diseases- Deaf-mutism, Head and Neck cancers. We have a state of art Temporal bone dissection lab for the training of residents and young budding surgeons.

EDUCATION:

The department is actively involved in teaching MBBS, MS (ENT), M. Ch Head & Neck Surgery and Oncology & BASLP Students.

At present 3 M.Ch. Head and Neck Surgery and Oncology Residents, 12 M.S. E.N.T, residents along with 9 BASLP (audiology Section) are getting structured training in the department.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Nitin M Nagarkar

International:

S. No.	Title	CME/Conference	Date	Organised By
1.	Attended course on Leadership For Mental Health System Development (Melbourne, Australia)	PARI Training Institute, New Delhi and Melbourne School of Population & Global Health, University of Melbourne	17-28.06.2022.	Melbourne, Australia

National:

S. No.	Title	CME/Conference	Date	Organised By
1.	Delivered a talk on Surgical Management of Parotid Tumors: Tips & Tricks, on	National Invited Lecture Series	09.04.2022	Association of Otolaryngologists of India (Delhi State)
2.	Delivered a talk on Management of Benign and Malignant Sinonasal Neoplasms	44 th Annual Conference-2022, AOI Delhi State In Association with Department of ENT, MAMC, New Delhi	27- 28.08.2022	AOI Delhi State In Association with Department of ENT, MAMC, New Delhi
3.	Attended 22 nd Annual Conference of Cerebrovascular Society of India (NEUROVASCON-2022) as a Chairperson during Dr V K Kak Oratorion	Department of Neurosurgery, AIIMS Raipur with Cerebrovascular Society of India	24.09.2022	Department of Neurosurgery, AIIMS Raipur with Cerebrovascular Society of India
4.	Delivered a talk on Operation Theatre & Surgery Room	Gyan Varsha presenting श्र्ति: Rockstars of India organized by Indian Institute of Management (IIM) Raipur	02.11.2022	Indian Institute of Management (IIM) Raipur
5.	Delivered a talk on "Call for help; When and whom?" When to call an Otolaryngologist in Pediatric Emergency	IAP – Pediatric Emergency Medicine Conference (NAPEM-2022)	05.11.2022	AIIMS Raipur
6.	Delivered a talk on Extended Spectrum of Otorhinolaryngologist-Dura to Pleura	46 th Annual Conference of AOI Bihar and Jharkhand Chapter Dhanbad	17.12.2022	AOI Bihar and Jharkhand Chapter Dhanbad

Dr. Rupa Mehta

S. No.	Title	CME/Conference	Date	Organised By
1.	Talk on Surgical Safety Checklist – An Effective Tool at	COMPLICON 2022	29.09.2022 - 03.10.2022	AIIMS , Jodhpur
2.	Panellist in panel on medicolegal aspects of ENT surgery	COMPLICON 2022	29.09.2022 - 03.10.2022	AIIMS , Jodhpur
3.	Talk on Temporal Bone Dissection , Instrumentation & Etiquettes	AIIMS Bhopal Otology Course 2022	22- 23.07.2022	AIIMS Bhopal
4.	Talk on Co Scholastic Activities In Medical Education	Medical Education Workshop	December 2022	AIIMS Raipur

5.	-NPPCD state cell – Anatomy Of External And Middle Ear	Training of Medical Officers National Programme for Prevention and Control of India (NPPCD)	14.01.2023	AIIMS Raipur
6.	-NPPCD – Common Opd Presentations In Ear Pathologies	State Level Training for Audiologist under NPPCD program by state unit of health and family welfare ,Chhattisgarh	16.01.2023	State Unit of Health and Family Welfare, Chhattisgarh
7.	- talk on Nanotechnology in Otology – Current status and future directions	National CME on Role of Nanotechnology in Health Care	28.03.2023	AIIMS Raipur

Dr. Ripu Daman Arora

S. No.	Title	CME/Conference	Date	Organised By
1.	Cadaveric demonstration of temporal bone dissection	Otology course 2022	22-23.07.2022	AIIMS, Bhopal
2.	Panellist in current trends in management of cholesteatoma	AOICON	26- 28.08.2022	Delhi
3.	Temporal bone dissection : Tips and Tricks	AOICON	26- 28.08.2022	Delhi
4.	New born hearing screening	NPPCD	13.01.2023	AIIMS, Raipur
5.	Hands on training for ENT examination and basics of foreign body removal	NPPCD	14.01.2023	AIIMS, Raipur
6.	Importance of new born hearing screening and early childhood ear	NPPCD	16.01.2023	AIIMS, Raipur
7.	New born hearing screening	NPPCD	27.01.2023	AIIMS, Raipur
8.	Hands on training for ENT examination and basics of foreign body removal	NPPCD	14.01.2023	AIIMS, Raipur
9.	Early childhood screening, identification and intervention for ear problems in children	NPPCD	27.02.2023	AIIMS, Raipur

Dr. Satish S. Satpute

S. No.	Title	Topic of Paper Presentation	Date	Organised By
1.	Three Days Skill Based Hands on Training Programme for Medical Officer	Diseases of Inner EAR and its management	13- 16.01.2023	AIIMS, Raipur
2.	State Level Training under NPPCD program for Urban Medical Officers	Structure and Function of EAR	19- 20.01.2023	State Institute of Health & Family Welfare, Raipur
3.	Two Days Skill Based Hands on Training Programme for Medical Officer	Diseases of Inner EAR and its management	27 – 28.01.2023	AIIMS, Raipur

4.	One Day Skill Based Hands on Training Programme for Community Health Officer	Hearing Impairment and its Assessment	22.02.2023	Red Cross Society, Raipur
5.	One Day State Level Orientation cum training for DPM/DTC/DPC under NPPCD program, Chhattisgarh	Basic Introduction of EAR Anatomy & Physiology, Structure and Function of EAR	27-28.02.2023	State Institute of Health & Family Welfare, Raipur
6.	One Day Skill Based Hands on Training Programme for Staff Nurse	"Hearing Impairment and its Assessment"	21-23.03.2023	CMHO, Raipur
7.	10 th CG State Annual ENT Conference & Live Surgical Workshop	"Laryngofissure with M-Tube Insertion our experience" as co-author	07- 08.01.2023	Pt. JNMC, Raipur
8.	National conference of pathology, APCON 2022	"Papillary Carcinoma Thyroid in Branchial Cleft Cyst: A Snake in the Grass" as co-author	07.12.2022	Ms Ramaiah Medical College, Bengaluru
9.	3 rd Airway and Laryngology Conference	Participated	12-13.11.2022	SIPSS, Lucknow, UP
10.	10 th CG State Annual ENT Conference & Live Surgical Workshop	In Organising Committee	07- 08.01.2023	Raipur
11.	Workshop on Basic Systematic reviews and Meta-Analysis	Participated	02.09.2022	AIIMS, Raipur
12.	7 th Annual National Conference of Research and Innovation Paediatric Surgical Society	Participated	03.09.2022	AIIMS, Raipur
13.	Workshop on "Data Handling and Analysis using MS Excel "	Participated	31.03.2023 - 01.04.2023	AIIMS, Raipur
14.	National CME on Role of Nanotechnology in Health Care	Participated	28.03.2023	AIIMS, Raipur
15.	Surginar 3.0 Webinar	Role of ENT in Sleep Apnea	02.07.2022	Webinar
16.	Oriana -2022	Contagion: The Infectious Disease Quiz	01.11.2022	AIIMS Raipur
17.	Hearing Round Table	Cochlear Implantation in Older Adults	15.12.2022	webinar

Dr. Sharmistha Chakravarty

S. No.	Title	CME/Conference	Date	Organised By
1.	Role of Nanoparticles in Chronic Rhinosinusitis and Respiratory tract Disorders: Current Insights and Emerging Trends	National CME on role of Nanotechnology in Healthcare	28.03.2023	AIIMS, Raipur
2.	Diseases of external and	Medical Officers Training	28.01.23	Government of

Middle ear	for Promotion of Ear, Hearing Care and Quality of Hearing health care services at community level	Chhattisgarh
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ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Abishek AP, Dr. R.D. Arora	Poster (1 st prize) - A rare case of extensive mucoepidermoid carcinoma of base of tongue Paper- Clinical grading system of thyroid nodule, a prospective study	AOICON 2023, Raipur CG APTS 2023	07.01.23 27.03.2023	Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter Asia pacific thyroid society and Indian Thyroid association
2.	Dr. Karthik P, Dr. Rupa Mehta	Poster- Unique case of retrosternal goiter Paper- JNA our experience at aims Raipur	AOICON 2023, Raipur CG	07.01.23	Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter
3.	Dr. Akash Aggarwal, Dr. R.D. Arora	Participated in Temporal bone dissection workshop, AIIMS Bhopal (Best Dissector award) Poster- Universal hearing screening program: well begun is half done, our experience (2 nd prize) Paper- Surgical techniques and outcomes in skullbase defect with csf leak repair, our experience (Consolation prize) Attended Otology course	Temporal bone dissection workshop, AIIMS Bhopal AOICON 2023, Raipur CG Temporal Bonanza and otology 30 course	22.07.22 07.01.23	AIIMS, Bhopal otology course Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter Honurappa Vijayendra, Vijaya ENT Hospital, Bangalore
4.	Dr. Abhishek Rana, Dr. Satish Satpute	Poster- Granular cell tumour in paraglottic space Paper- Laryngofissure and M tube insertion- our experience	AOICON 2023, Raipur CG	07.01.2023	Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter

5.	Dr. Himanshi Grover, Dr. Rupa Mehta Dr. Himanshi Grover, Dr. R.D. Arora	Poster (Consolation prize)- Neck Lymphangioma, a rare case scenario Paper (2 nd prize)- Parotid swellings, our experience Poster (2 nd prize)- Trotter procedure: A unique approach to mucoepidermoid carcinoma of tongue base Paper- Role of open approach in excision of JNA Participated in residents quiz on cochlear implants (won 1 st prize) Participated in cadaveric temporal bone dissection workshop	AOICON 2023, Raipur CG IOHP, IGMC Shimla	07.01.2023	Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter Department of ENT, IGMC Shimla
6.	Dr. Raima Mariam John, Dr. Rupa Mehta Dr. Raima Mariam John, Dr. Sharmistha Chakravarty	Poster (Consolation prize)- Tracheostomy in cases of locally advanced anaplastic thyroid carcinoma Paper- A rare case of thyroid lobe abscess Attended Otology course	AOICON 2023, Raipur CG Temporal Bonanza and otology 30 course	07.01.2023	Association of otolaryngologists of India, Raipur, Chhattisgarh Chapter Honurappa Vijayendra, Vijaya ENT Hospital, Bangalore
7.	Dr. Kritika Bhradwaj , Dr. R.D. Arora	Poster- Corynebacterium diphtheria: an emerging case of COM Paper- Clinicobacteriological profile of patients with active COM tubotympanic type	IOHP, IGMC Shimla	29.04.2023	Department of ENT, IGMC Shimla

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

Ongoing

Prof. (Dr.) Nitin M Nagarkar:

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year
1.	Hospital Based Cancer Registry (HBCRDM) at AIIMS Raipur	Prof. (Dr.) Nitin M. Nagarkar	Non-funded ICMR, NCDIR, Bengaluru		Ongoing

2.	Postoperative non invasive monitoring device for micro-vascular free flaps in microsurgical reconstruction in head and neck tumors	Prof. (Dr.) Nitin M. Nagarkar	DST under Ministry of Science and Technology Govt, New Delhi		Ongoing
3.	Establishment of Pilot Telemedicine Setup for Fishermen and Fisherwomen as a Start up activity at Five Locations in Chhattisgarh	Prof. (Dr.) Nitin M. Nagarkar	National Cooperative Development Corporation (NCDC), New Delhi		Ongoing

Completed

S. No.	Project	Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year-End year
1.	Risk factors for exenteration and mortality in COVID- 19 associated Orbital Mucormycosis from tertiary care hospital in central India: A cross-sectional, observational study	Prof. (Dr.) Nitin M. Nagarkar	-		2023
2.	Implementation of NCDIR Electronic Mortality Software (NCDIR e-Mor) - strengthen Medical Certification of Cause of Death	Prof. (Dr.) Nitin M. Nagarkar	ICMR, NCDIR, Bengaluru	Three year	2023

RESEARCH**Funded Projects****Ongoing****Dr. Rupa Mehta**

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Evaluation of Amyloid Precursor Protein m-RNA expression in tissue and saliva of HNSCC patients	Intramural funded	AIIMS Raipur	3	Delayed due to Covid	5 lakhs
2.	Incidence, Pattern and Degree of hearing loss following Acute CNS Infection (Meningitis)	Intramural non funded	AIIMS Raipur	2	2020-2022	-

	and Meningoencephalitis) in children (neonate – 15 years)					
3.	Audiological profile of sickle cell disease patients in central India.	Intramural non funded	AIIMS Raipur	1	2022-2023	-

Completed**Dr. Rupa Mehta**

S. No.	Project	Principal Investigator	Duration (Years)	Start Year-End Year
1.	Study of Clinico-Epidemiological profile of patients with Mucormycosis post COVID-19 infection: A Hospital Based Cross Sectional Study	Intramural non funded	9 months	2020-2021

Ongoing**Dr. Ripu Daman Arora**

Clinical presentation of third wave of covid in central and eastern India : A retrospective observational study
Prevalence of occupational noise induced hearing loss among industrial workers in Raipur, Chhattisgarh: Approved by Ethical committee as intramural grant project
Integration of new born hearing screening program with universal immunization at state level PHC Center, Raipur: A pilot study Currently in research cell for approval
Intramural grant project :To study the effect of systemic blood pressure on the perfusion of free flaps in cases of head and neck and extremity reconstruction using photoplethysmography With Dr. Shamendra Anand sahu Assistant professor, Department of plastic surgery

Dr. Satish S Satpute

S. No.	Research Project	Project
1.	Prevalence of Hearing Impairment among primary school children in rural areas of Chhattisgarh, India	Intramural
2.	Incidence of adverse outcomes and risk factors for mortality among Mucormycosis patients in India: a Multi-centric Ambispective cohort study, 2021	Extramural
3.	Study of clinic-epidemiological profile of patients with Mucormycosis post COVID-19 Infection: A hospital based cross sectional study	Intramural
4.	Clinic-Mycological study of Post Covid Mucormycosis reported to Tertiary Care Hospital in Raipur	Intramural

Dr. Sharmistha Chakravarty

S. No.	Project
1.	Clinical profile and study of expression of cytokeratin 17 and Ki 67 in patients with Chronic Otitis Media Squamosal type
2.	The Assessment of Quality of Life and Speech Outcome among operative Oral Cancer Patients: A Hospital Based Study

Dr. Sharmistha Chakravarty

S. No.	Project	Collaborating Department/Institution
1.	Glycemic control among people with diabetes mellitus hospitalized for mucormycosis	Endocrinology
2.	Role of statins as adjuvant therapy in the management of mucormycosis	Endocrinology

Dr. Ripu Daman Arora

Intramural grant project :Evaluation of Prevalence of HPV in Head and Neck Malignancies
Audiological Profile in Covid associated Mucor-mycosis Patients
Prevalence of Neurological Diseases in Covid-19 patients, at AIIMS, Raipur

As co-investigator (Completed)

Incidence of adverse outcomes and risk factors for mortality among Mucormycosis patients in India: a multi-centric ambispective cohort study, 2021-2022-Co-investigator (ICMR -Extramural study)
Clinico-mycological study of post covid mucormycosis reported to tertiary care hospital in the state of Chhattisgarh-Co-investigator
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

PUBLICATIONS

- Nagarkar NM, Sahu V, Arora R, Pathak M, Shambharkar MS, Naveen P. Mortality and its determinants after an outbreak of post COVID-19 associated rhino-orbito-cerebral mucormycosis in Central India. *International Ophthalmology*. 2023 Jan 16;1-8.
- Mehta R, Sasanka KS, Ravina M, Nagarkar NM. An Unusual Presentation of Supraglottic Low-Grade B-Cell Non-Hodgkin's Lymphoma with Tracheostomal Myiasis. *Indian Journal of Nuclear Medicine*. 2022 Apr 1;37(2).
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- Challenges and Outcome of Implementing Universal New Born Hearing Screening in a Medical College Hospital Set Up. *Indian Journal of Otolaryngology and Head & Neck Surgery*. 2022 Dec;74(Suppl 3):3841-6.
10. 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*. 2022 Nov 6:1-6.
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 18. Anand T, Mukherjee A, Satija A, Velamuri PS, Singh KJ, Das M, Josten K, Yadav PD, Sahay RR, Keche AY, Nagarkar NM. A case control investigation of COVID-19 associated mucormycosis in India. *BMC Infectious Diseases*. 2022 Dec;22(1): 1-2.
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- COVID-19 pandemic. Archives of Medical Research. 2022 Sep 1;53(6):574-84.
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Abstracts Published in Journal(s):

Chapter(s) in Books

1. Mehta R. Rhinosporidiosis. Nagarkar NM, editor. Springer Singapore; 2022 Mar 11. <https://doi.org/10.1007/978-981-16-8508-8>
2. Authored one book – Picture Atlas of Head Neck Surgery – A Case-Based Approach under publication by springer publications

PATIENT CARE

	OPD	IPD	Major OT	Minor OT	Tests	Special Clinics
Total	40631	1134	1048	82	6436	480

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Prof. (Dr.) Nitin M Nagarkar:

- 1) Awarded – Doctorate of Science – honoris causa- D.Sc.(hc) 2023 by Amity University Chhattisgarh

Dr. Rupa Mehta

- 1) Awarded FACS(Fellowship of American college of Surgeons)
- 2) Awarded FIMSA- fellowship of international medical sciences academy
- 3) Awarded MNAMS

Dr. Ripu Daman Arora

- 1) Completed 2 year fellowship in head and neck oncology by International federation of Head and Neck oncology society (IFHNOS),



Department of Forensic Medicine & Toxicology

Professor & Head of the Department

Dr. Krishnadutt Chavali

Additional Professor

Dr. Deepak D'Souza

Associate Professors

Dr. Pankaj Ghormade

Dr. Shagun Thakur (From 30.11.2022)

Assistant Professor

Dr. Swapnil Akhade

HIGHLIGHTS

The department started the course of DM in Medical and Forensic Toxicology, the first and only one of its kind in the country during the year 2021-2022. Since inception, the response to the course has been very encouraging. All four seats advertised till date have been taken up and the fifth student is likely to join soon.

The institute was awarded the 'Best New Toxicology Unit in a Hospital/Institute - 2022' at TOXOCON-16, the 16th Annual National Conference of the Indian Society of Toxicology, within a short time of starting of the DM course in Medical and Forensic Toxicology.

Dr. Swapnil Akhade was awarded the 2nd prize for faculty podium presentation (2nd Best Paper - Faculty Category) at the Annual National Conference of the Indian Academy of Forensic Medicine 2022 held at SGPGIMS, Lucknow.

After six police station areas have been allotted to the institute for medicolegal work, cases handled by the department have increased

tremendously with the department having handled 7035 medicolegal cases and 548 medicolegal autopsies. The department continues to provide embalming service to autopsied medicolegal bodies wherever requested for the convenience of the next of kin of the deceased.

EDUCATION

The department continues with teaching students of MBBS. After the new curriculum was implemented in the institute, the first batch of students of the 2019 batch passed the subject of Forensic Medicine and Toxicology with full pass percentage.

The department also teaches and trains students of the MD (FMT), DM (MFT), PhD courses. Classes are also being held by the department for the BSc (OT Technology) course as well as Pre Hospital Trauma Technician course. The department has also been taking classes on relevant topics for the students of MSc Nursing, BSc Nursing and MPH courses.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Krishnadutt Chavali:

S. No.	Title	CME/Conference	Date	Organised By
1.	Forensic Medicine - Beyond Autopsy	BAFMCON-2022	24.07.2022	The Bengal Academy of Forensic Medicine
2.	Forensic Toxicology: need of the hour - setup and role of Toxicology Laboratory	FMT-MPCON-V	18.09.2022	Medicolegal Expert Association of MP, Bhopal
3.	Future of Toxicology in India	TOXOCON-16	05-06.11.2022	Indian Society of Toxicology
4.	POCSO/ 375/ 376 IPC	Forensic Nursing - GMCH	October and	Project ECHO of

		ECHO TOT	December 2022	GMCH, Chandigarh
5.	Sexual Assault Survivor Examination	Forensic Nursing – GMCH ECHO TOT	October and December 2022	Project ECHO of GMCH, Chandigarh

Dr. Deepak D'Souza:

S. No.	Title	CME/Conference	Date	Organised By
1.	Pediatric Medico Legal concerns in ER	National conference of IAP-Pediatric Emergency Medicine chapter NAPEM-2022	6.11.2022	Department of Pediatrics, AIIMS Raipur

Dr. Swapnil Akhade

S. No.	Title	CME/Conference	Date	Organised By
1.	Medical certification of cause of death	“Training of trainers on Strengthening of Medical certification of cause of death”. for Medical Officers of Chhattisgarh	18.01.2023	Directorate of Economics and Statistics, Chhattisgarh state.

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Dr. Deepak D'Souza, Dr. Rupjyoti Medhi, Dr. K H Chavali	Healing of a Single Puncture Fang Mark in a Case of Snake Bite: A Case Report		29.04.2022	Indian Academy of Forensic Medicine and SGPGIMS Lucknow
2.	Dr. P S Ghormade	Role of CFMU at the Tertiary Care Centre in the Multidisciplinary Management of Cases of Sexual Assault	FORENSICON 2022	07 - 09.10.2022	Dept. of FMT, KMC Manipal
3.	Dr. P S Ghormade	Can we use Trauma Scores to Predict Survival in Trauma Patients and Comment on Nature of Injuries in Medicolegal Reports?	Mid-Year CME-cum-conference 2022	11.06.2022	Punjab Academy of FMT
4.	Dr. Swapnil Akhade Dr. Krishnadutt Chavali BEST PAPER (2 nd Prize, Faculty Category)	Use of Information Technology Applications for Management of Dead bodies during Covid19 Pandemic: Experience of an Institute of National Importance	FORENSIC MEDICON 2022 “43 rd Annual National Conference of Indian Academy of Forensic Medicine”	29.04.2022 to 01.05.2022	SGPGIMS, Lucknow (U.P.)

RESEARCH

Funded Projects

Ongoing

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 Infection In Females Without History Of Sexual Intercourse."	Dr. Swapnil Akhade	AIIMS, Raipur Funded Intramural	03 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 Center of Central India
2.	Study of Substance Abuse among Drivers Injured in Vehicular Crashes Reporting at Tertiary Care Hospital in Central India
3.	Estimation of Age and Determination of Sex of an Individual from Non-Metric and Metric Analysis of Sternum using Computed Tomography Scan of the Chest
4.	Otologic Findings in Various Medicolegal Autopsies – A Prospective Study
5.	Study of Pattern of Injuries Presenting to AIIMS Raipur – A Step Towards Establishing a Trauma Registry

Completed

S. No.	Project
1.	Comparison of Burden of Injury at a Tertiary Care Centre Of National Importance: Pre-COVID and COVID Era
2.	Study of Sexual Dimorphism based on Osteometric Parameters of Foramen Magnum and Foramen Ovale in Dead Bodies brought for Autopsy to AIIMS Raipur
3.	Use of TRISS as a Predictor of Patient Outcome in Cases of Trauma, Presented in Trauma & Emergency Department of a Tertiary Care Institute at Raipur
4.	Ageing of Brain Contusion by Histopathological Examination – An Autopsy based Study

Collaborative Projects

Completed

S. No.	Project	Collaborating Department/Institution
1.	Multi-centric Project 2020, Completed on 13/02/2023. "Implementation of NCDIR E-Mor software to strengthen Medical Certification of cause of death in AIIMS, Raipur."	Hospital Administration & School of Public Health.

PUBLICATIONS

1. **Ghormade PS**, Sahu K, **Akhade SP**. Right Ventricle Myocardial Infarction due to Coronary Thrombosis in a Patient after Sustaining Electric Injury. *Indian J Crit Care Case Rep* 2022;1(2):31–34.
2. Sahu K, **Ghormade PS**, **Akhade SP**. Traumatic rupture of heart due to blunt trauma to chest: an autopsy case report with review of literature. *Indian J Forensic Community Med* 2022;9(3):128-132.
3. Gurbani, V., **Thakur, S.**, Ray, AK. Centralized Medical Registration Services (One-Point Registration): Need of the Hour. *GAIMS Journal of Medical Sciences*. 2023;3(1): 19–21. Available from <https://gjms.gaims.ac.in/index.php/gjms/article/view/62>
4. Dheeraj A, Giri S, **Akhade SP**, Sahu K, Khanagwal VP, Hussain N. A blunt cardiac rupture due to physical assault: An autopsy based Case series. *Archives of Forensic Medicine and Criminology* (2022).
5. **Akhade SP**, Kothari P, Sabale PR, **Chavali KH**. Comprehensive Review and Recommendations for evaluation of Sexual Potency of Male in context of current Indian Legal System. *J Indian Acad Forensic Med*. 2023;45(1):95-101

PATIENT CARE

The department handles the medicolegal work of the institute from admission to discharge as also the medicolegal autopsies. Cases handled by the

department in the past year (01.04.2022 to 31.03.2023) are summarized in the following table:

Medicolegal cases handled	Medicolegal autopsies performed	Embalming of autopsied bodies	COVID bodies handed over
7035	548	25	22

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.

The doctors of the department – Junior Residents and Senior Residents were posted in COVID screening zone of the hospital and they satisfactorily completed their given assignments.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- The institute was awarded with the 'Best New Toxicology Unit in a Hospital/Institute – 2022' at TOXOCON-16, the 16th Annual National Conference of the Indian Society of Toxicology, a society dedicated to the field of Toxicology in India.

Dr. Krishnadutt Chavali

1. Invited as subject expert for faculty interviews at AIIMS Deoghar, AIIMS Bhopal and Guru Ghasidas University, Bilaspur and for demonstrator interview at AIIMS Bhubaneswar.
2. Nominated as Distinguished Professor for the School of Medicolegal Studies, National Forensic Sciences University, Gandhinagar.
3. Invited to judge the PG/SR scientific presentations at the BAFMCON-2022
4. Delivered a lecture on the topic Medical Negligence and Medicolegal Issues in the Sensitization Program on Attitudes, Ethics and Communication on 18th March 2023 at AIIMS Raipur.

- Invited to judge the science projects of school students at Bharatiya Vidya Bhavan's RK Sarda Vidya Mandir, Raipur, under the

aegis of Indian Science and Engineering Fair of the Science Society of India.

Dr. Pankaj Ghormade

Successfully completed PGDMLE diploma 1 year course from National Law University, Bengaluru

Dr. Shagun Thakur

Invited to deliver lectures on the subject "Guidelines and protocols on medico-legal care for survivors/victims of sexual violence" at the Training workshop for Medical Officers of Chhattisgarh organized by Mamta MIHC, NGO, from 8 to 13 Feb 2023.

Dr. Swapnil Akhade

- Periodic Lectures on Strengthening of MCCD with clinical departments of AIIMS Raipur and Master Trainer for MCCD training of Medical officers.
- Awarded the Second prize under category of Faculty oral presentation at 43rd Annual National Conference of Indian Academy of Forensic Medicine Conference held at SGPGIMS, Lucknow, on 29 April 2022 till 01st May 2022.

Department of General Medicine

Professor & Head of the Department

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 is fully functional and providing services at OPD, Male medicine ward, Female medicine ward, Trauma & Emergency, HDU (High Dependency Unit) and MICU (Medical Intensive care unit). The Department has well-equipped ten-bed medical ICU (MICU) for critically ill patients. The Department provides 24 x 7 services in the Trauma and Emergency Department (Medical Emergency unit, ground floor, 1st floor). The department admits and manages all the medicine cases and critically ill patients of sub-specialities of medicine. Department also caters 20-bedded HDU which was used as COVID ICU for management of seriously ill COVID cases which has been handed over to department now. The department runs speciality OPD in the afternoon 02.00-05.00 PM. Various speciality clinics are diabetic foot clinic every Tuesday, Rheumatology clinic every Wednesday, Geriatric clinic and Sickle cell clinic every Thursday and Hepatitis clinic every Friday. Department has started DM (Clinical Infectious Disease) with an annual intake of two candidates, Post Graduation (MD General Medicine) seats have been increased to 12 per annum. PhD course under medicine has been approved with annual intake of two candidates.

EDUCATION

Monthly mortality meet is being conducted in the Department regularly. At Institute mortality meeting cases are regularly presented from

department. Induction training of newly joined PG students is done for every academic batch. During the COVID pandemic, MBBS training was done in virtual mode, and clinical case scenarios were discussed in virtual mode. The faculty of the department have trained medical officers and CHOs of Chhattisgarh state on non-communicable disease – Diabetes, Hypertension and its comorbidities, NAFLD, COPD and stroke under NPCDCS, viral hepatitis under NVHCP. Postgraduate students have also presented academic case and thesis as oral and posters at national conferences (CGAPICON, IRACON, APICON, CRITICON, CIDSCON) state-level conferences. They have also participated in quiz competitions in CME/ conferences and have won laurels to the Department. Dr. Rounak won the first prize in the Annual State conference Medicine update 2022 in Raipur. Dr. Sreehari first prize in Endocrinology quiz in Endo-Diabetes Update CODECON 2023 at Raipur and 2nd prize in National Infectious Disease Quiz, IDCON23, Jodhpur. Dr. Nilesh won the 1st prize in Lupus quiz, Lupus meet, Kolkata and 2nd prize in Medicine quiz, Medicine update, Raipur. Dr. Abhishek Agarwal won the 1st prize in state round of Rheumatology quiz IRACON, 2nd prize in Medical quiz Medicine Update, 1st prize in Endocrinology Quiz Endo-Diabetes Update CODECON 2023, Raipur and 2nd prize in National Infectious Disease Quiz Infectious Diseases Conference IDCON 23, Jodhpur. The faculties of the department teach Neurology to BASLP students, Nursing colleges and other paramedical courses.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Multiple Myeloma from "Basics to Recent Advances"	National Conference	13 & 14.08.2022	Department of General Medicine and Medical Oncology AIIMS Raipur
2.	Adult Vaccination: Patient-Centered Approach	National CME	04.11.2022	CIDS Immunization Subcommittee collaboration with AIIMS Nagpur and AIIMS Raipur
3.	Epidemiology and disease Burden of Rabies	Training cum Workshop (National Rabies Control Programme [NRCP])	14.12.2022	NRCP workshop organized by Health & Family welfare CG state
4.	World Arthritis Day – "Arthritis is treatable"	CME	12.10.2022	Department of General Medicine and Orthopedics

LECTURES DELIVERED AT CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES**Prof. (Dr.) Vinay R. Pandit**

S. No.	Title	CME/Conference	Date	Organized By
1.	Multiple Myeloma from "Basics to Recent Advances"	National Conference	13 & 14.08. 2022	Department of General Medicine and Medical Oncology AIIMS Raipur
2.	Adult Vaccination: Patient Centered Approach	National CME	04.11.2022	CIDS Immunization Subcommittee collaboration with AIIMS Nagpur and AIIMS Raipur
4.	Diseases beyond the joints Extra-articular manifestations of various Arthritides	CME	12.10.2022	Department General Medicine and Department of Orthopedics AIIMS Raipur
5.	Hospital / Institutional Guidelines and Protocol at AIIMS Raipur	Orientation Programme for newly joined Nursing Officers at AIIMS Raipur	20.06.2022 to 23.06.2022	College of Nursing and Hospital Administration AIIMS Raipur
6.	Outline of various activities at AIIMS Raipur	Orientation Programme for MBBS 2022 batch students AIIMS Raipur	23.11.2022	Dean (Academics) AIIMS Raipur
7.	Ethics in Clinical Practice	PG Induction Programme	08.02.2023	AIIMS Raipur

8.	Epidemiology and disease Burden: Rabies	Training cum Workshop National Rabies Control Programme (NRCP)	14.12.2022	NRCP workshop organized by Health & Family welfare CG state
9.	Clinical approach to Respiratory Emergencies Critical Care Curriculum for Medical Officers	Guest Faculty for Expert Group critical care curriculum for MO	22.06.2023 to 23.06.2023	National Health System Resource Center (NHSRC) MoHFW, Delhi

Dr. Md. Sabah Siddiqui

S. No.	Title	CME/Conference	Date	Organized By
1.	Hepatic Encephalopathy an update for Physician	CME	20.01.2023	API Raipur Chapter
2.	Acute Kidney Injury: a Physician Viewpoint	CME on World Kidney Day 2022	10.03.2022	Dept. of Nephrology AIIMS, Raipur
3.	Investigating Acute Undifferentiated fever	CGAPICON 2022	05.11.2022	API CG
4.	What is new in ITP an Update	CME	19.09.2022	API Raipur Chapter
5.	Heart Failure Management simplified	Vidyarthi-visheshgya Meet	15.01.2023	AIIMS Patna
6.	Severe adverse events and causality assessment in clinical trials	National level CME on Clinical Research and Clinical trial day celebration	20.05.2022	KCVR Pvt. Ltd.

Dr. Preetam N. Wasnik

S. No.	Title	CME/Conference	Date	Organized By
1.	Palliative care in sickle cell disease	Pain and palliative day CME	08.10.2022	Department of Medical Oncology and Palliative Medicine, AIIMS Raipur
2.	Medical Documentation	PG Induction program	09.02.2023	PG Induction program committee AIIMS Raipur

Dr. Pankaj Kumar Kannauje

S. No.	Title	CME/Conference	Date	Organized By
1.	Vaccination among health care workers	Vaccine Update	04.11.2022	Infectious Diseases Society of America (IDSA)
2.	Post exposure prophylaxis in Rabies	IDSP Training	14.12.2022	State Health and Family Welfare, Chhattisgarh

Dr. Jhasaketan Meher

S. No.	Title	CME/Conference	Date	Organized By
1.	Analysis of Arterial Blood Gas	Basics of ventilatory therapy and cardio-pulmonary resuscitation certificate course	07-08.10.2022	Department of Anesthesiology
2.	Common drugs used in Arthritis	World arthritis day	12.10.2022	Dept. of Orthopedic and Dept. of Medicine
3.	Overview of sickle cell disease – symptoms and inheritance	Sickle cell awareness camp	18.06.2022	Sickle cell committee, AIIMS, Raipur

Dr. Joydeep Samanta

S. No.	Title	CME/Conference	Date	Organized By
1.	Introduction to spondylarthritis	IRACON-2022 (37 th Annual National Conference of Indian Rheumatology Association) Conference	24.11.2022-26.11.2022	Indian Rheumatology Association
2.	Approach to CTD-ILD	Pulmonary Medicine Update 2023 (CME)	11.03.2023	Dept. of Pulmonary Medicine, AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Biswal S, Pandit VR, Wasnik PN, Singh S,	The frog man with a big heart: An Archetypical Case of Primary Amyloidosis: Poster (Won first prize)	CSI CGCON 2022	26.06.2022	CSI, CG Chapter
2.	Sirigiri H, Pandit VR, Kannuje PK	Presented poster Choroid Tubercle in Immunocompetent Host	Clinical Infectious Disease Society Conference (CIDSCON)	14.07.2022 to 17.07.2022	Clinical Infectious Disease Society (CIDS) India
3.	Rounak K, Pandit VR	An uncommon extraglandular manifestation of Primary Sjogren Syndrome: Recurrent Pancreatitis (1 st position in poster presentation)	Annual State Conference in Medicine Update	04.12.2022	Department of General medicine Pt. JNMC Raipur, CG
4.	Sreehari A Pandit VR, Wasnik PN	Presented poster PTU induced Acute Liver Failure	National Conference of Indian Sepsis forum CRITICON Raipur	03.09.2022	CRITICON, Raipur

		Presented poster Meliodotic Arthritis	National Rheumatology Conference – IRACON Indore	23.11.2022 to 27.11.2022	IRACON, Indore
5.	Agarwal A, Pandit VR, Wasnik PN,	TB induced HLH	CRITICON - Poster presentation	03.09.2022	CRITICON, Raipur
6.	Mallika K, Pranita, Wasnik PN	Presented paper A challenging case of chronic diarrhea Gastrointestinal Manifestation as first exceptional signs of ANCA negative vasculitis (3 rd position)	Medicine update 2022	04.12.2022	Dept. Of Medicine, Pt. JNMC, Raipur.
7.	Najiya N Wasnik PN, Pranita, Bodhey N	Presented poster Upper GI bleed in case of necrotizing pancreatitis A routine jeopardy or much more?	Medicine update 2022	04.12.2022	Dept. of Medicine, Pt. JNMC Raipur
8.	Aswanth S, Wasnik PN	Presented paper Clinical profile of patients with atrial fibrillation attending tertiary care hospital in central India:A cross- sectional study	APICON 2023	27.01.2023	Association of Physicians of India (API)
9.	Cheemela B, Kannauje PK, Mudalsha R	Presented poster Generalized Lymphadenopathy, Turnid SLE, Lipoatrophy How they fit together?	Rheumatology update	11.03.2023	Rheumatology society of India
10	Aswanth S, Pranita, Wasnik PN, Samanta J	Presented poster Acute Digital Gangrene – A rare initial manifestation of Undifferentiated Connective Tissue Disease	World Rheumatology Forum Summit 2023	18- 19.03.2023	World Rheumatology forum

11	Aishwarya S, Rohini R, Ghosh A	Presented paper Challenges in classifying DM: A rare case of lipodystrophic DM	International Diabetes Summit	10.03.2023	Chela Ram Diabetes Institute
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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.	The standard treatment protocol for diabetes mellitus for CG state: medical officers and CHO training	Prof. (Dr.) Vinay R. Pandit	NPCDCS SIHFW CG state	1 year	2022-2023	68000/-
3.	The standard treatment protocol for hypertension and Stroke: Medical officers and CHO training	Prof. (Dr.) Vinay R. Pandit	NPCDCS SIHFW CG state	1 year	2022-2023	68000/-
4.	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	2022-24	50,000/-
5.	A Prospective, Multicentre, Randomized, Active-controlled, Observer-blind, Phase II study seamlessly followed	Md Sabah Siddiqui	DIAGNOSEARCH CRO	1 year	2021-2022	9 Lakhs

	by a Phase III study to evaluate the Safety, Tolerability and Immunogenicity of the candidate GEMCOVAC 19(COVID-19 vaccine) in healthy subjects.					
6.	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.	Md Sabah Siddiqui	JSS medical research Asia Pacific	6 months	2021	12 Lakhs
7.	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.	Dr Pankaj Kumar Kannauje	Novartis Health care	2 years	2021-2023	57 Lakhs

Ongoing

S. No.	Project	Co-Investigator (Co-PI)	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Prevalence of metabolic syndrome in tribal and non-tribal population of Patan block of Chhattisgarh state	Prof. (Dr.) Vinay R. Pandit	ICMR	1 year	2022	6,00,000/-
2.	Study of correlation between serum copper, serum zinc, copper-zinc ratio and disease severity score in sickle cell disease patients	Prof. (Dr.) Vinay R. Pandit	AIIMS Raipur	2 years	2022	4,72,000/-

3	To analyse the erythrocyte and platelet storage lesions within the stored blood and estimate the coagulopathy potential of Blood transfusions to the multi-transfused patients."	Prof. (Dr.) Vinay R. Pandit	AIIMS Raipur	2 years	Ongoing (Extended)	5,00,000/-
4.	To study the clinic-etiological profile, severity indicators and outcome in patients with chronic liver disease (CLD) at tertiary care hospital at AIIMS, Central India: Retrospective observational Study	Prof. (Dr.) Vinay R. Pandit	AIIMS Raipur	1 year	2021 (Ongoing)	20000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Prevalence of Autoantibodies and Cytokines in patients of Rheumatoid arthritis and its clinical significance in Indian RA cohort	Dr. Jhasketan Meher	AIIMS, Raipur (Intramural funded)	01	2022-2023	4,72,690.00

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

S.No.	Thesis
1.	Prevalence of Peripheral Neuropathy in Patients of Hyperthyroidism: A Cross Sectional Study
2.	Assessing Protein Energy Wasting (PEW) in Idiopathic Adult-Onset Nephrotic Syndrome (AONS) Patients using Bioimpedance Spectroscopy (BIS)
3.	Prevalence of Microalbuminuria in Patients with Rheumatoid Arthritis
4.	Clinical and Laboratory Profile of Patients with Lupus Nephritis
5.	Clinical Profile of Patients with Hypopituitarism in a Tertiary Care Center in Central India
6.	Clinico-radiological profile of acute ischemic stroke with special emphasis on Pre-Hospital Factors Affecting Thrombolytic Therapy in a Tertiary Care Center in Central India
7.	Clinical and Microbiological Profile of Hospital Acquired Pneumonia in Adults: A Prospective Study
8.	An Ambispective Study on Spectrum of Infections in Hospitalized Sickle Cell Patients at a Tertiary Care Center
9.	Prevalence of Group B Streptococcal Colonization of Genital Tract of Pregnant Women presenting to Tertiary Care Center in Central India and its relation Neonatal Outcome: Prospective Observational Study
10.	Profile of Cardiovascular Autonomic Neuropathy in Pre Diabetic Patients

11.	Neutrophil Lymphocyte ratio as a Predictor of Microvascular Complications in Patients with Type 2 dm
12.	Mild Cognitive Impairment in Patients with Type 2 Diabetes Mellitus and its Correlation with HbA1c levels – A Cross Sectional Study in Tertiary Care Hospital
13.	A Spectrum of Cardiac Events in Acute Ischemic Stroke- A Cross-Sectional Study in Tertiary Care Centre
14.	Resting Electrocardiographs in Adults with Sickle Cell Anemia and its Relationship with Disease Severity*
15.	A Cross-Sectional Study on Spectrum of Renal Involvement among Sickle Cell Anemia Patients at AIIMS Raipur
16.	Clinical features and Epidemiology of cases presenting with Pancytopenia in a Tertiary Care Centre in Central India
17.	Clinico-Etiological profile of Patients presenting in the Emergency Department with Non-Traumatic Altered Sensorium and Admitted to a Tertiary Care Centre
18.	Hyponatremia as a Sensitive Marker of Disease Activity in SLE
19.	Clinical profile of Scrub Typhus

Completed

S. No.	Project
1.	Clinical & Epidemiological study of Poisoning Cases at Emergency Department of Tertiary Care Centre.
2.	Etiological study of Adults with Acute Febrile Encephalopathy presenting to a Tertiary Care Centre in Central India.
3.	Clinical and Microbiological Profile of Spectrum of Infection in Diabetic Patients admitted under Medicine Department in a Tertiary Care Hospital.
4.	Clinical profile Antimicrobial Sensitivity Patterns and in Hospital outcomes of the Patients with Sepsis admitted under Medicine Department in Tertiary Care Centre.
5.	A Cross Sectional study of Cardiac Dysfunction in Patients of Sickle Cell Disease at a Tertiary Care Hospital of Central India
6.	Mean Platelet Volume (MPV), Platelet Distribution width(PDW) and in Rheumatoid Arthritis: A Cross Sectional study
7.	A Cross-Sectional Observational study on the Clinical profile of Atrial fibrillation Patients in a Tertiary care Hospital in Central India
8.	Study of Associations between the serum Sodium Level and Complications of Cirrhosis of Liver in Tertiary Care Centre

Collaborative Projects

Ongoing

S.No.	Project	Collaborating Department/Institution
1	Non-Invasive Detection and Grading of Anemia based on Smartphone Photography both in Fingernail Bed and Palpebral Conjunctiva	IIIT, Naya Raipur
2.	National Covid Clinical Registry	Surgery
3.	Efficacy of Sulfonylurea's in Patients with Polymorphism in KCNJ11-ABCC8 Genetic Locus: A Prospective Cohort study in Chhattisgarh Type 2 Diabetic Mellitus Patients	Pharmacology
4.	Effect of CYP2C19 and P2Y12 Genetic Polymorphisms on Platelet Aggregation in Patients on Treatment with Clopidogrel in Chhattisgarh Population	Pharmacology

5.	B-VOCAL SCD - Burden of Vaso-Occlusive Pain Crisis: A Cross Sectional Observational study among Patients with Sickle Cell Disease in India	Pediatrics
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Completed

S. No.	Project	Collaborating Department/Institution
1.	Prevalence of Metabolic Syndrome in Tribal and Non-Tribal Population of Patan block of Chhattisgarh State	ICMR funded/ Collaboration with Physiology
2.	Severity Predictor among Covid Mortality Patients	Surgery
3.	First and Second COVID-19 Pandemic Waves: A Comparative Analysis in Hospitalized Patients at AIIMS, Raipur	Microbiology

PUBLICATIONS

- Mishra A, Pandit VR, Meher J, Abhishek A. Subacute thyroiditis-an unusual endocrine cause of pyrexia of unknown origin: Case report with review of literature. *Glob J Infect Dis Clin Res* 9(1): 009-011.
- Kannauje PK, Pandit VR, Wasnik PN, Das P, Venkatesan N. Steroid and sphingomonas. *Ann Afr Med.* 22 (3):299.
- Kannauje PK, Pandit V, Wasnik P, et al. Diagnosing Joubert Syndrome in Two Adult Siblings: A Very Rare Case Report. *Cureus*, 2022 14(7): e27042. doi:10.7759/cureus.27042
- Keche Y, Wasnik P, Nagpure K, Gaikwad N, Dhaneria S, Siddiqui MS, Joshi A. Health-Related Quality of Life (HRQoL) in Elderly Patients Attending at Tertiary Health Care Centre in Central India During 1st Wave of COVID-19 Pandemic: A Prospective Observational Study. *OBM Geriatrics* 2022; 6(4): 216.
- Prakash R, Negi SS, Bhargava A, Sharma K, Jagzape T, Wasnik PN. Evaluation of an in-house PCR for diagnosing scrub typhus along with a preliminary study of genotypic characterization of *Orientia tsutsugamushi* circulating in Chhattisgarh: A prospective Clinico-microbiological study. *Indian J Med Microbiol.* 2022 ;40(4) :510-15.
- Wasnik K, Wankhede A, Wasnik PN. Study of Virulence Factor Production in *Candida* Species Colonizer Isolated from Diabetic Patients. *Pure Appl Microbiol.* 2022;16(4):2631-38.
- Keche Y, Gaikwad N, Wasnik PN, Siddiqui S, Nagpure K, Dhaneria SP. Usefulness of STOPP/START criteria and Beer's criteria for prescribing in geriatric patients in a tertiary health care center, Raipur, Central India. *J Family Med Prim Care.* 2022; 11(11): 7064-71 .
- E. Khandelwal, S.Tripathi , P.Wasnik: Endothelial Dysfunction Profile in Patients of Sickle Cell Anemia: *Int J Biol Med Res.* 2020;11(4):7132-7134
- 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; 11:6499-505.
- 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 J Med Microbiol*, 2022 ; 42: 100-102.
- Mukherjee A, Kumar G, Turuk A, Bhalla A, Bingi TC, Bhardwaj P, et al. Vaccination saves lives: a real-time study of patients with chronic diseases and severe COVID-19 infection. *QJM Mon J Assoc Physicians.* 2022 Sep 2 ; 116(1): 47-56.
- R R, Badole P, Pati SK, Meher J, Venkat N. Tuberculous Skull Base Osteomyelitis with Cerebral Venous Sinus Thrombosis in an Immunocompetent Adolescent: A Case Report. *Cureus.* 2022 Apr 6;14(4):e23865.
- Meher J, Pandit VR, Nithin MS, Prasad SH; Nageeb N; Patel SK, Kapur M. Cases. *Indian*

- Journal of Rheumatology. 2022 ;17(1): S204-S278.
14. Kumar A, Pranita, Abhinaya K. AIDP: Another aspect of COVID 19. *European Journal of Molecular & Clinical Medicine* 2022; 9(3):736-738.
 15. Meher J , Pranita, Pandit VR , Sreehari AV. Melioidotic Arthritis- An obscure tropical malady. *Indian Journal of Rheumatology* .2022
 16. Samanta J, Naidu G, Deo P, et al. Managing ANCA-associated vasculitis during COVID-19 pandemic: a single-center cross-sectional study. *Rheumatol Int.* 2022;42(12):2159-2166.
 17. Harish BV, Sahoo RR, Sudhish G, Samanta J, Patro PS. Silicosis and rapidly progressive systemic sclerosis. *Indian Journal of Rheumatology.* 2023 Mar 1;18(1):98-9.
 18. Samanta J, Mishra D. Future of digital health and precision medicine in rheumatology practice in India. *Indian Journal of Rheumatology.* 2022 Dec 1;17(7):426.
 19. Samanta J, Amudalapalli A, Shukla A, et al. Optimal bridging strategy in active early rheumatoid arthritis: a bridge falling short? Comment on the article by Krause et al. *Arthritis Rheumatol.* 2022;74(12):2044
 20. Samanta J, Chattopadhyay A, Dhir V. 'Vasculitic lung lesions' - Don't forget the heart!. *Reumatol Clin (Engl Ed).* 2022;18(10):621-22.
 21. Sahoo RR, Sudhish G, Harish BV, Samanta J, Patro PS. Strawberry Gingivitis as the Presenting Manifestation of Childhood Granulomatosis with Polyangiitis. *Indian J Pediatr.* 2022;89(11):1154-1155.
 22. Samanta J, Naidu GSRSNK, Sood R, Nada R, Sharma A, Jain S. Calcinosis cutis with amyopathic dermatomyositis. *QJM.* 2022;115(9):613-614.
 23. Samanta J, De S. Swollen hands and feet syndrome: An uncommon presentation of a common disease. *Trop Doct.* 2023;53(1):187-189.
 24. Sharma A, Deo P, Naidu S, Samanta J, Mittal S, Sharma K, et al. Validation of the 2022-American College of Rheumatology/European Alliance of Associations for Rheumatology Classification Criteria in Patients with ANCA Associated Vasculitis. *Ann Rheum Dis.* 2022 ; 74: 902-4.
 25. Mehta JK, Dhaneria SP, Gaikwad, Siddiqui MS. Evaluation of drug utilization pattern of antidiabetic drugs and 10-year cardiovascular risk in new and recently diagnosed type 2 diabetes mellitus patients: a prospective, longitudinal, observational, hospital-based study. *Int J Diabetes Dev Ctries.* 2023; 43: 59-65.
 26. Singh V, Siddiqui MS, Hussain N, Nanda R, Bugalia A, Agrawal S. Serum testosterone level and semen quality in male patients with sickle cell disease in outpatient department of Chhattisgarh: a case-control study. *Int J Clin Exp Pathol.* 2022 Jun 15; 15(6):247-252.
 27. Krishnan A, Kumar R, Amarchand R, Mohan A, Kant R, Agarwal A, Kulshreshtha P, Panda PK, Bhadoria AS, Agarwal N, Biswas B, Nair R, Wig N, Malhotra R, Bhatnagar S, Aggarwal R, Soni KD, Madan N, Trikha A, Tiwari P, Singh AR, Wyawahare M, Gunasekaran V, Sekar D, Misra S, Bhardwaj P, Goel AD, Dutt N, Kumar D, Nagarkar NM, Galhotra A, Jindal A, Raj U, Behera A, Siddiqui S, Kokane A, Joshi R, Pakhare A, Farooque F, Pawan S, Deshmukh P, Solanki R, Rathod B, Dutta V, Mohapatra PR, Panigrahi MK, Barik S, Guleria R. 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 Mar 13;108(4):727-733.

Abstracts Published in Journal(s):

1. Meher J, Pranita, Pandit VR; Sreehari AV. Cases. *Indian Journal of Rheumatology* 17(Suppl 1): p S204-S278, November 2022.
2. Meher J, PanditVR, Nithin MS; Prasad, SH, Najiya N, Patel, SK; KapurM. Cases. *Indian Journal of Rheumatology* 17(Suppl 1): p S204-S278, November 2022.

PATIENT CARE

OPD	IPD
64309	4602

AWARDS, HONOURS AND SIGNIFICANT EVENTS**Prof. (Dr.) Vinay R. Pandit**

1. Appointed as Associate Dean (Academics) and took over the charge of additional post from 17th April 2023 onwards.
2. Successfully completed one-year infectious disease course- Fellowship in Global Infectious Disease (FGID) from Christian Medical College (CMC) Vellore
3. Nominated as one of the Founder Member for Society of Antimicrobial Stewardship Practices (SASPI).
4. Organizing chairperson for National Conference on Multiple Myeloma from "Basics to Recent Advances" in collaboration with Department of General Medicine, 13-14th August 2022 at AIIMS Raipur
5. Organizing chairperson National CME on "Adult Vaccination: Patient Centered Approach" in collaboration with Clinical Infectious Diseases Society (CIDS) on 4th November 2022.
6. Nodal officer and master trainer for training on "Diabetes & Hypertension comorbidities, standard treatment protocol" under NPCDCS Department of Health and Family Welfare, Raipur, CG
7. Nodal officer and master trainer for National Viral Hepatitis Control Programme (NVHCP) for CG state.
8. Nodal officer and master trainer for Non-Alcoholic Fatty Liver Disease (NAFLD) for CG state.
9. Organized National Doctors Day celebration AIIMS Raipur Programme: On 02.07.2022 conducted educational activities on COVID appropriate Behavior to students of Kendriya Vidyalaya 2 Raipur. On 03.07.2022 conducted health check-up Camp at Badhte Kadam Old Age Home, Avanti Bihar, Raipur.
10. Participated as invited faculty for 12th Annual Conference of the Clinical Infectious Disease Society (CIDSCON) from 15th to 17th July 2022. Poster presentation was done and moderated poster session.
11. Participated in onsite workshop cum training of Simulation and Skill Lab training at AIIMS Raipur, Skill Lab 23rd- 24th April 2022.
12. Board member for UPSC selection for post of Senior Lecturer in General Medicine in December 2022.
13. Participated in National level Workshop "NIRF India Rankings - 2023" as a Participant, held on 21st and 22nd December 2022 organized by IAE NIRF
14. Attended webinar on "Brain Storming session on PhD Programme" organized by AIIMS Bhopal, November 2022.
15. External expert for PhD defense viva examiner for Kasturba Medical College (KMC) Manipal, Manipal University conducted on 9th July 2022, Topic - "Diabetic dyslipidemia and lipidomics"
16. Syllabus Committee Coordinator for designing syllabus for MD Family Medicine course curriculum for AIIMS and INI, NITI Aayog, Ministry of Health and Family Welfare.
17. Internal subject expert for PhD DC meeting for Physiology, Community Medicine Department AIIMS Raipur
18. Invited subject expert for Item Writing workshop in General Medicine on 14th February 2023 at National Board of Examinations (NBEMS)
19. Participated and moderated scientific on "Decision making in ER" at IAP - Pediatric Emergency Medicine Conference (NAPEM) 4th to 6th November 2022, organized by

Department of Pediatric Emergency AIIMS Raipur.

20. Participated and chaired scientific session on "Oral DPP4 Inhibitors" at Chhattisgarh API conference CGAPICON 5th-6th November 2022 organized by API CG state
21. Participated and chaired scientific session on "Leptospirosis – Approach to diagnosis and Treatment" at 2nd Annual Medicine Update on 4th December 2022 organized by Department of General Medicine Pt JNM Medical College Raipur.
22. Participated and chaired scientific session on Tuberculosis 24th March 2023, World TB week 2023, TB awareness campaign 16th – 24th March 2023 organized by Department Pulmonary Medicine AIIMS Raipur.
23. Participated and chaired scientific session on "Nanoencapsulation and cure of Diabetes" National CME on role of Nanotechnology in Health Care on 28th March 2023 organized by AIIMS Raipur and NAMS New Delhi
24. Participated and chaired scientific session on "Documentation and electronic health

Dr. Md. Sabah Siddiqui

1. Faculty in EM SONO workshop conducted by EMINDIA at Goa 09.10.2022- 10.10.2022

Dr. Preetam Narayan Wasnik

1. Special Invitee for National technical advisory group on Immunization (NTAGI) working group on PCV vaccination for sickle cell patients.

Dr. Pankaj Kumar Kanauje

1. Fellowship in general infectious disease from CMC Vellore.

Dr. Jhasaketan Meher

1. Chairperson in National conference on multiple myeloma held on 13-14.08.2022 in Department of Oncology, clinical hematology and General Medicine.
2. Chairperson in Chhattisgarh Rheumatology

records" at 21st Annual National Medical Records Conference on 4-5th February 2022 organized by Central Medical Records Department AIIMS Raipur.

25. Invited as expert for setting OSCE and Paper setter for National Board of Examinations (NBE) in General Medicine.
26. Invited as Panelist for National CME on "Adult Vaccination: Patient Centered Approach- Prescribe as leaders organized by CIDS Immunization in collaboration with AIIMS Nagpur and AIIMS Raipur
27. Course Instructor for AHA (American Heart Association) BLS and ACLS course and workshop organized by Department Anesthesiology AIIMS Raipur and NH Rabindranath Tagore Cardiac Sciences Kolkata.
28. Invited as Panelist for Third Interstate Round Table discussion on Health System Strengthening Capacity Building – Needs and Learning organized by ECHO India and Chhattisgarh

2. Invited as Panelist for discussion on Common medical disorders in Pregnancy at Annual conference IMACGCON 2023 organized on 19.02.2023 by IMA at Chhattisgarh
2. Chaired a scientific session in CGAPICON on 05.11.2023: Topic: Patient-centric Diabetic management

2. Research and methodology training from JIPMER

Rendezvous-2022 held on 04.09.2022 in API Raipur chapter.

3. Chairperson in 4th Pulmonary Medicine Update held on 11th March 2023 in Department of Pulmonary Medicine

Dr. Pranita

1. Chaired a scientific session in CGAPICON on 05.11.2023

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	Master trainer	08 –10.02.2023 15-17.02.2023	NVHCP, SIHFW Raipur
2	Diabetes Comorbidities and standard treatment protocol" ToT training for medical officers	Master trainer	08- 16-08-2022 08- 15-09-2022 13- 20-10-2022	SIHFW Raipur
3	"Hypertension Comorbidities and standard treatment protocol" ToT training for medical officers	Master trainer	25-10-2022 to 01-11-2022 03- 10-11-2022 27-12-2022 to 03-01-2022	SIHFW Raipur

Dr. Md. Sabah Siddiqui

1. Certificate on basic course in biomedical Research Session March to June 2021 from Swayam Portal

S.No.	Title	Training	Date	Organized by
1.	Management of Non-Communicable Diseases	Training of Trainer (ToT-RMA) on medical emergencies	29.09.2022 to 29.09.2022 16- 19.11.2022	Chhattisgarh State Health resource center
2.	Training of community health officers on Non- Communicable Disease	training at AIIMS Raipur	12.09.2022 to 29.03.2023 (4 daysx9 Session)	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	21- 22.11.2022	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	23- 24.11.2022 28- 29.11.2022	Chhattisgarh State Health resource center

5.	Evaluation and Management of COPD	Two days residential training of medical officers of CHC on Respiratory and environment diseases, Chhattisgarh	06- 07.02.2023 13- 14.02.2023	Chhattisgarh State Health resource center
6.	Management of sickle cell disease in adults	Training of Medical officers and specialist on Sickle cell disease	16- 17.09.2022, 19- 20.09.2022, 26- 30.09.2022, 07.11.2022, 03- 05.01.2023, 07.01.2023	Sickle cell Institute Chhattisgarh Raipur

Dr. Jhasaketan Meher

S. No.	Title	CME/Conference	Date	Organised By
1.	Master Trainer/Speaker	Training of Medical Officer of C.G. state on Diabetes and Hypertension	Sept 2022 to Jan 2023	NPCDCS, C.G.
2.	Master Trainer/Speaker	Training of Medical Officer in viral hepatitis	09.02.2023	NVHCP, C.G.

Dr. Pankaj Kumar Kannauje

S. No.	Title	CME/Conference	Date	Organized By
1.	Master Trainer/Speaker	Training of Medical Officer in viral hepatitis	16.02.2023	NVHCP, C.G.

Department of General Surgery

Professor & Head of the Department

Dr. Debajyoti Mohanty

Additional Professor

Dr. Tridip Dutta Baruah

Associate Professors

Dr. Radhakrishna Ramchandani

Dr. Dharmendra Dugar

Dr. Rubik Ray

Assistant Professors

Dr. Chetan Anand

Dr. Ashok Kumar Sahoo (From 19.12.2022)

HIGHLIGHTS

The Department has facility for open and laparoscopic surgical procedures as well as therapeutic endoscopic interventions. The Department is running specialty clinics such as Breast cancer clinic, Hepatobiliary clinic for focused and timely intervention in these patients. The Department is running postgraduate course (MS General Surgery) as well as PDCC course in breast surgeries. The department is organizing virtual and physical CMEs for the benefit of faculty members and its residents. The faculties of the Department have keen interest in research and are involved in various extramural and intramural projects.

EDUCATION

The Department undertakes clinical teaching of undergraduate students of four semesters while students of three semesters were taught in didactic lectures. During the clinical postings the students were exposed to the nuances of surgical care offered to the patients in the various work stations like OPD, major and minor operation theatre and IPD. The students were periodically evaluated by internal assessment for knowledge gained in clinical and theoretical aspect. The department also organized hands on training program for its interns and residents for fine tuning the surgical skills.

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

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES:

S. No.	Title	CME/conference	Date	Organised By
1.	Basic Surgical skill course	CME on surgical skill training	18 - 20.04.2022	Department of General Surgery, AIIMS, Raipur

LECTURES DELIVERED AT CMES, NATIONAL AND INTERNATIONAL CONFERENCES

Dr. Debajyoti Mohanty

S. No.	Title	CME/Conference	Date	Organized by
1.	Steps of modified radical mastectomy: video presentation	CG ASICON 2022	07.04.2022	ASI, Chhattisgarh state chapter
2.	How to request an investigation	PG induction program	21.04.2022	AIIMS Raipur

Dr. Tridip Dutta Baruah

S. No.	Title	CME/Conference	Date	Organized By
1.	Hospital Services	PG induction program	21.04.2022	AIIMS Raipur
2.	Bullet and Explosive Injury	Training cum workshop for ITBP & CRPF doctors & paramedical staff	12.08.2022	AIIMS Raipur
3.	Hospital Services	MEU	26.08.2022	AIIMS Raipur

Dr. Rubik Ray

S. No.	Title	CME/Conference	Date	Organized By
1.	Hospital design; safety, convenience & ergonomics	MEU	26.08.2022	AIIMS Raipur
2.	Handling patients in the IPD	Internship Induction Program	13.01.2023	AIIMS Raipur
3.	How to request an investigation?	PG induction program	09.02.2023	AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Name of the Conference	Date
1.	Ray R, Kumar D, Baruah TD, Satarkar S	A rare case of Malignant Solitary Fibrous Tumor (SFT) of breast	CGASICON 2022	17.04.2022
2.	Ray R, Kumar D, Baruah TD	RIPASA vs ALVARADO Score for diagnosis of Acute Appendicitis: A comparative study	CGASICON 2022	17.04.2022
3.	Ray R, Manu S, Baruah TD	Comparison of topical sucralfate plus metronidazole ointment with diltiazem ointment for the treatment of acute fissure in ano	CGASICON 2022	17.04.2022

4.	Suhail M, Dugar D*	A prospective study of evaluation of prognostic factors in necrotizing infections	CGASICON 2022	17.04.2022
5.	Dixit K, Dugar D, Mohanty D	Combined rupture of the diaphragm and urinary bladder in blunt trauma abdomen: better to be vigilant than sorry	CGASICON 2022	17.04.2022
6.	Vinayaka HJ, Mohanty D, Dugar D	Comparison of two point fixation versus conventional fixation of polypropylene mesh in patients undergoing Lichtenstein repair for inguinal hernia: a pilot study	CGASICON 2022	17.04.2022
7.	Vinayaka HJ, Mohanty D, Dugar D	Fibro-polycystic disease of the liver- a rare ductal plate malformation mimicking a hydatid cyst of the liver	CGASICON 2022	17.04.2022

*- Awarded state level Best paper in the competitive section in CGASICON 2022

Research

Funded projects:

Ongoing:

S. No.	Title	Principal Investigator	Funded by (Name of 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)	Sept2020-Augt2023	Approx 1 crore, 14 Lakhs
2.	Spectrum of testicular complications following hernioplasty in patients with uncomplicated inguinal hernia	Dr Debajyoti Mohanty	AIIMS Raipur	Two years	2021-2022	Rs-4,66,000/-

Departmental projects (including thesis/dissertations)

Ongoing

S. No.	Title
1.	Randomised Control Study On Diabetic Foot Ulcers Of Vacuum Assisted Closure Dressing Versus Conventional Dressing To Compare Wound Healing'
2.	A Prospective Study Of Assessment Of Risk Factors In Abdominal Wound Dehiscence Using Rotterdam Risk Index Score"
3.	Utility of D dimer and procalcitonin as an early predictive marker of severity of Acute pancreatitis
4.	Effect of foot exercises on ulcer healing and quality of life in diabetic foot ulcer patients – An open label randomized controlled trial
5.	A prospective study of assessment of risk factors in abdominal wound dehiscence using Rotterdam risk index score.
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.	Comparison of oral Tamoxifen versus Centchroman in reducing the size of breast fibroadenoma in adolescent and middle aged ladies.
10.	Comparison of ultra-high-definition (4K) laparoscopy with conventional high-definition laparoscopy for intra operative adverse effects in patients undergoing laparoscopic cholecystectomy.
11.	To study the spectrum of clinical profile, microbiological profile and morbidity in patients of diabetic foot.
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.	Evaluation of the factors leading to cancellation of patients scheduled for elective surgeries 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.	Evaluation of prognostic factors in necrotizing soft tissue infections.

Completed

S. No.	Title
1.	RIPASA vs ALVARADO Score for diagnosis of Acute Appendicitis: A comparative study
2.	Comparison of topical sucralfate plus metronidazole ointment with diltiazem ointment for the treatment of acute fissure-in-ano
3.	Comparison of topical sucralfate plus metronidazole ointment with diltiazem ointment for the treatment of acute fissure-in-ano
4.	Comparison of two point fixation versus conventional fixation of polypropylene mesh in patients undergoing Lichtenstein repair for inguinal hernia: a pilot study
5.	Clinico-epidemiological and pathological study of breast carcinoma in the patient cohort from AIIMS Raipur
6.	Assessment of accuracy of clinical evaluation with respect to radiological and intra operative findings in patients of acute abdomen

Collaborative projects

Ongoing

S.No	Title	Collaborating department/Institution
1	Intensive glycemic control for diabetic foot ulcer healing: A multicentric randomized 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

S. No.	Title	Collaborating department/institution
1	Implementation research associates for patient safety	AIIMS-Raipur, AIIMS-Bhubaneswar, AIIMS-Mangalagiri, NID-Vijaywada
2	MDCT and USG correlation in severity of acute pancreatitis	Department of Radiodiagnosis , AIIMS Raipur

PUBLICATIONS

- Borkar N, Sharma C, Mohanty D, Singha SK. (2022) A systematic review and meta-analysis of harmonic scalpel versus conventional techniques of appendiceal stump closure in laparoscopic cholecystectomy. *Cureus* Sep 3;14 (9): e 28759
- Borkar N, Tiwari C, Mohanty D, Singh S, Dhua A. (2023) The comparison of interrupted and continuous suturing technique in Snodgrass urethroplasty in patients with primary hypospadias: A systematic review and meta-analysis. *Urol Ann*; 15(1): 74-81
- Borkar N, Tiwari C, Mohanty D, Sinha A, Upadhyaya VD. (2022) Use of an autologous platelet-rich concentrate in hypospadias repair: a systematic review and meta-analysis. *Arab J Urol*; online published on 22 Nov 2022
- Mohanty D, Dugar D. (2022) Conclusion should shun the cloud of confusion. *Ind J Surg*; 84(5): 1147
- Baruah TD, Kannauje PK, Ray R, Borkar N, Panigrahi S, Kumar D, Pathak M, Biswas D. (2022) 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*;11(10):6499-6505.
- Mukherjee A, Kumar G, Turuk A, Bhalla A, Bingi TC, Bhardwaj P, Baruah TD, Mukherjee S, Talukdar A, Ray Y, John M, Khambholja JR, Patel AH, Bhuniya S, Joshi R, Menon GR, Sahu D, Rao VV, Bhargava B, Panda S; NCRC Study Team. (2023) Vaccination saves lives: a real-time study of patients with chronic diseases and severe COVID-19 infection. *QJM* Feb 14;116(1):47-56.
- Turuk, A., Kumar, G., Mukherjee, A., Muralidharan, J., Patel, SM., Bhardwaj, P., Bingi, TC., Baruah, TD., et al. (2023) Evaluation of a Hospitalized Pediatric COVID-19 Cohort from Indian National Clinical Registry of COVID-

19. Indian J Pediatr .
<https://doi.org/10.1007/s12098-022-04449-w>
8. Biswas D, Kanniga R, Ratnani R, Ray R. (2022) Diagnostic hysteroscopy is a better method for diagnosis and management of abnormal uterine bleeding than traditional methods – An Indian perspective. J Med Sci Res; 10(2):65-70.
9. Saboo V, Biswas D, Naz A, Seal SL, Ray R. (2022) Local Infiltration of Bupivacaine along the Incision Line following Cesarean Section reduces Postoperative Pain and Analgesia Requirement: A Double-blinded Randomized Controlled Study. J South Asian FederObsGynae; 14 (5):596-601.
10. Biswas D, Bhatia BK, Ratnani R, Ray R. (2022) Placenta accreta spectrum – a series of three cases from a tertiary care institute. Gynecologia.ro; 37(3):12-16

PATIENT CARE

OPD	IPD	Endoscopy Room	Major OT	Minor OT
38176	2013	1021	1221	1153

Special Clinics:

Breast Clinic: Weekly once on Wednesday (1071 patients over 12 months) Hepatobiliary Clinic: Weekly once on Tuesday

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Debajyoti Mohanty

1. Appointed member of Board of studies for General surgery at AIIMS, Gorakhpur.
2. Faculty for postgraduate students in the ASI regional refresher course for central zone.
3. Faculty for virtual SCOPE course 2021 conducted by Delhi Medical Council and PG master class 2021 by IMS, BHU.
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 Bilhail, Chhattisgarh.
6. Chaired session at 4th National conference and workshop on Antimicrobial stewardship in India (ASPICON -2022) at AIIMS Raipur
7. Chaired session at National CME on tumour biomarkers- present and future (ACCLMPCON - 2022) at AIIMS, Raipur

Dr. Tridip Dutta Baruah

1. Conferred Fellow of American college of Surgeons
2. Participated in 2nd Fellowship course in robotic surgery
3. Felicitation 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, Faculty for postgraduate induction program at AIIMS Raipur, Trainer for training ITBP personnel on Trauma and Emergency Medicine.
5. Faculty for basic surgical skill course for residents at AIIMS Raipur

Dr. Dharmendra Dugar

1. Completed training in Medical education technology
2. Participated in the workshop on Basic systematic review
3. Participated in the workshop on Sample size estimation

Dr. Rubik Ray

1. Conferred Fellow of American college of Surgeons
2. Fellowship course advanced laparoscopic surgery (FALS) colorectal from Indian Association of Gastrointestinal endo-surgeons
3. Completed 88th National course on educational science for teachers of health professionals from JIPMER, Pondicherry

Department of Medical Oncology

Assistant Professor and In-charge

Dr. Amit Kumar (From 07.07.2022)

HIGHLIGHTS

The Department had continued outdoor, daycare and indoor patient services. The Department organized National conference on Multiple Myeloma (in collaboration with Department of Clinical Hematology and Department of General Medicine). Patient awareness programme was conducted on World cancer day (in collaboration with College of Nursing and Department of Radiotherapy). The Department also celebrated World hospice and palliative care day by conducting CME and Scientific sessions. The Department had started weekly combined academic classes (along with Department of Clinical Hematology) for nursing officers and residents.

EDUCATION

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

Impact Nephrocare ECHO Program-2023 in association with Academy of Palliative Medicine and Indian Society of Nephrology for kidney supportive care in CKD - a monthly class for DM Nephrology and MD/DNB Palliative Medicine students.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organised By
1.	National Conference on Multiple Myeloma	National Conference	13-14.08.2022	Department of Medical Oncology, Clinical Hematology and General Medicine, AIIMS Raipur
2.	CME on World Hospice and Palliative care day	State level CME	08.10.2022	Department of Medical Oncology, Clinical Hematology, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amit Kumar

S. No.	Title	CME/Conference	Date	Organised By
1.	Concurrent chemotherapy	5 th Masterclass in Lung cancer	23.07.2022	Cancer research and statistics foundation, Mumbai
2.	Role of chemotherapy in Penile cancer	AIIMS Raipur- UROCON 2022 (National Conference)	07.08.2022	Department of Urology, AIIMS Raipur

3.	Concurrent versus sequential immune checkpoint inhibition in stage III NSCLC patients treated with chemoradiation	National conference 6 th annual year end review in Lung cancer 2022	17.12.2022	Cancer research and statistics foundation, Mumbai
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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	130,000/-

PUBLICATIONS

- Bala S, Kumar A, Dange P, Kashyap Y, Tiwari A. 6-Mercaptopurine-induced fever in a case of B-acute lymphoblastic leukemia: A case report. *Cancer Research, Statistics, and Treatment*. 2022 Oct 1;5(4):788-91.
- 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.
- Saha S, Patil VM, Noronha V, Menon N, Singh AK, Suman M, Agrawal A, Khaddar S, Chakraborty S, Pai PS, Chaukar DA. Neoadjuvant chemotherapy in a rare type of very locally advanced sinonasal carcinomas—long-term results from a tertiary care centre. *Ecancermedalscience* 2023 May 11;17:1549.

PATIENT CARE

2022-23	OPD	IPD + Daycare	Procedures (no)
Total	Medical Oncology- 14478 Palliative Medicine- 1611	4898	76 25

Special Clinics:

Palliative Medicine and Supportive Care Clinic

DEPARTMENT OF MICROBIOLOGY

Professor and Head of the Department

Dr. Anudita Bhargava

Professors

Dr. Padma Das

Dr. Archana Keche

Additional Professors

Dr. Ujjwala Gaikwad

Dr. Sanjay Singh Negi

Assistant Professors

Dr. Pragya Agarwala

Dr. Abhijit Kumar Prasad

Dr. Kumar Vikram

HIGHLIGHTS

Organized IAMM PG Assembly, as Course Director on 15th, 16th, 17th September 2022, two 5-day workshops for laboratory technicians, posted in Medical colleges and District Hospitals of Chhattisgarh, on Laboratory diagnosis of Viral Hepatitis under National Viral Hepatitis Control program. Schedules: 3rd to 7th January, 2023 and 20th-24th February, 2023, a Three Days National CME on "ASPICON 2022 Bad Bugs No Drugs: Time to escalate AMSP Measures." on 12th – 14th November, 2022, an in house workshop on "Biomedical waste management" for the newly joined nursing officers and "Antimicrobial Awareness Week" on November, 2022. AIIMS, Raipur is chosen as a regional center for laboratory confirmation of Diphtheria and Pertussis cases under

WHO Vaccine preventable Disease programme. Faculties are Actively engaged in imparting teaching to MD, MBBS and B.Sc. Nursing and B.Sc. MLT for both theory and Practical's of Bacteriology/ Virology/ Mycology/ Parasitology/ Immunology. Also engaged as Coordinator for Microbiology to all the three batches of B.Sc. MLT. As a master trainer in National Viral Hepatitis Control Program, trained CG state sponsored Medical Officer (8-10th Feb, 2023 and 15-17th Feb, 2023) and Technician (3-7th January, 2023 and 20th-24th February, 2023) in Quality Control and Laboratory Testing of Viral Hepatitis B and C. Involved as Faculty in PG Assembly, 2022 conducted by IAMM at AIIMS, Raipur from 15th-17th September, 2022. Acted as coordinator for B.Sc. MLT course for Microbiology subject.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anudita Bhargava

S. No.	Title	CME/Conference	Date	Organised By
1.	IAMM PG Assembly	PG Assembly	15 th , 16 th , 17 th September 2022.	IAMM & Department of Microbiology, AIIMS, Raipur
2.	Hands-on workshop on laboratory diagnosis of Viral Hepatitis for laboratory technicians of Chhattisgarh	Workshop	3 rd – 7 th January 2023	NVHCP & Department of Microbiology, AIIMS, Raipur
			20 th - 24 th February 2023	

3.	Medical Laboratory Quality System & Internal Audit as per ISO 15189:2012	National Workshop	12.07.2022 to 15.07.2022	ICMR & NITS, New Delhi
4.	Influenza Zonal Meeting	Experts Meeting, Mumbai	02.09.2022	AIIMS, New Delhi and NIV, Pune

Dr. Padma Das

S. No.	Title	CME/Conference	Date	Organised By
1.	National CME on ASPICON 2022 Bad Bugs No Drugs: Time to escalate AMSP Measures	National CME	12 – 14.11.2022	AMSP Committee & Department of Microbiology, AIIMS, Raipur
2.	National Workshop on Antimicrobial Stewardship	National Workshop	06 - 10.02.2023	JIPMER, Puducherry
3.	Investigator Meet	Investigator Meeting (CDC AMR)	16 - 17.03.2023	AIIMS, New Delhi

Dr. Sanjay Singh Negi

S. No.	Title	CME/Conference	Date	Organised By
1.	Hands-on workshop on laboratory diagnosis of Viral Hepatitis for laboratory technicians of Chhattisgarh	Workshop	03- 07.01.2023 20- 24.02.2023	NVHCP & Department of Microbiology, AIIMS, Raipur

Dr. Abhijit Kumar Prasad

S. No.	Title	CME/Conference	Date	Organised By
1.	Laboratory Diagnosis of Viral Hepatitis under National Viral Hepatitis Control Programme (NVHCP)	Attended as a Trainer in State Level Workshop for Laboratory Technician	03- 07.01.2023	State-level VRDL, Department of Microbiology, AIIMS Raipur
2.	Laboratory Diagnosis of Viral Hepatitis under National Viral Hepatitis Control Programme (NVHCP)	Attended as a Trainer in State Level Workshop for Laboratory Technician	20- 24.02.2023	State-level VRDL, Department of Microbiology, AIIMS Raipur
3.	4 th National Symposium on Advances in Pulmonary Medicine	Symposia	11.0.3.2023	Department of Pulmonary Medicine, AIIMS Raipur

Dr. Kumar Vikram

S. No.	Title	CME/Conference	Date	Organised By
1.	Pulmonary Medicine Update 2023	National symposium on Advances in Pulmonary Medicine	11.03.2023	Department of Pulmonary Medicine

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Anudita Bhargava**

S. No.	Title	CME/Conference	Date	Organized By
1.	Laboratory diagnosis of HBV including diagnostic algorithm under NVHCP	IAMM PG Assembly	15-17.09.2022	Department of Microbiology, AIIMS Raipur
2.	Improving outcomes in Critical Care	2 nd Annual Congress of Indian Sepsis Forum -CRITICON Raipur-2022	03.09.2022 and 04.09.2022	Indian Sepsis Forum
3.	Testing and serological markers of Hepatitis B virus infection under NVHCP	Training of treatment and support under NVHCP for Nodal Officers/Medical Officers of CG	08-10.02.2023	NHM & SIHFW, CG
4.	Testing and serological markers of Hepatitis B virus infection under NVHCP	Training of treatment and support under NVHCP for Nodal Officers/Medical Officers of CG	15-17.02.2023	NHM & SIHFW, CG

Dr. Archana Keche

S. No.	Title	CME/Conference	Date	Organised By
1.	Necessity of identification of fungi & antifungal susceptibility testing	PG Assembly, Central zone by Indian Association of medical microbiologists.	15-17.09.2022	Department of Microbiology AIIMS Raipur
2.	"Opportunistic free living acanthamoeba, now becoming a usual pathogen? are we missing it?"	IATP Webinar	16.03.2023	Indian association of tropical parasitology(IATP)

Dr. Ujjwala Gaikwad

S. No.	Title	CME/Conference	Date	Organised By
1.	Diagnostic Algorithm for Tuberculosis under NTEP	National PG Assembly under Indian Association of Medical Microbiologists (IAMM)	15.09.2022	Department of Microbiology, AIIMS Raipur
2.	Molecular Platforms for Diagnosis of Drug Resistant TB under NTEP: Interpretation and Implications of Line Probe Assays			
3.	Infection Control Protocol in Critical Care	State Level CNE on Critical Care Nursing	27.07.2022	Department of Nursing (Hospital Administration) AIIMS Raipur

4.	Laboratory Diagnosis of Drug Resistant Tuberculosis	"Pulmonary Medicine Update" 4 th National Symposium on Advances in Pulmonary Medicine.	11.03.2023	Department of Pulmonary Medicine, AIIMS Raipur
5	Recent Updates in the Laboratory Diagnosis of Tuberculosis	Sensitization Program for Faculty members on the Occasion of World TB Day 2023	24.03.2023	NTEP Core Committee, AIIMS Raipur

Dr. Sanjay Singh Negi

S. No.	Title	CME / Conference/ workshop	Date	Organised By
1.	Multiple lectures on various aspect of quality control and laboratory testing of viral hepatitis	5 Days Hands – on workshop to Laboratory Technicians on " Laboratory Diagnosis of Viral Hepatitis"	3-7 th Jan, 2023 and 20 th -24 th Feb, 2023.	AIIMS, Raipur
2.	Real Time PCR and CRISPER based assays in diagnosis of infectious diseases	National workshop on modern tools and techniques in chemical and biological research from 13 th -17 th Feb, 2023.	16.2.2023	Pt. Ravishankar Shukla University, Raipur, Chhattisgarh
3.	Diagnostic approaches in COVID-19: Advances witnessed	National hybrid CME on COVID-19: Human Resilience, Innovation & Hope at AIIMS, Raipur on.	23.10.2022	AIIMS, Raipur

Dr. Pragya Agarwala

S. No.	Title	CME/Conference	Date	Organised By
1.	Comparative evaluation of bacterial infections in COVID-19 and non COVID-19 patients during the second pandemic wave: A tertiary care experience	CAMM Annual CME, Raipur, Chhattisgarh	24.12.2022	Chhattisgarh Association of Medical Microbiologists

Dr. Kumar Vikram

S. No.	Title	CME/Conference	Date	Organised By
1.	Biomedical Waste management	State level Workshop on Laboratory diagnosis of Viral Hepatitis	03–07.01.2023	Department of Microbiology, AIIMS, RAIPUR
2.	Biomedical Waste management	State level Workshop on Laboratory diagnosis of Viral Hepatitis	20 – 24.02.2023	Department of Microbiology, AIIMS, RAIPUR
3.	Lab diagnosis of Tuberculosis under NTEP	NTEP sensitization on Tuberculosis	16–24.03.2023	Department of Pulmonary medicine, AIIMS, RAIPUR

ORAL PAPERS/POSTERS PRESENTED

Dr. Archana Keche

S. No.	Authors	Title	Conference	Date	Organised By
1.	Archana Keche, Padma Das, Pratibha Sharma, Satyaki Ganguly, Namrata Chhabra, MR Shivaprakash.	Spectrum of Dermatophyte infections and drug susceptibility pattern of Dermatophytes in patients visiting to tertiary care hospital in Chhattisgarh state of India	International Conference ISHAM-2022 at Hotel the Ashok, New Delhi, India	20-24.09.2022	International Society for Human and Animal Mycology
2.	Archana Keche, Richa Tigga, Ganguly Satyaki, Namrata Chhabra, Rakesh Gupta,	Rare isolates from subcutaneous mycotic lesions; A study from tertiary care center in Chhattisgarh, India			
3.	Keche A, Ganguly S, Chhabra N, Gupta R	'Subcutaneous Mycosis due to unusual fungi; a study from AIIMS Raipur'. (first prize in poster presentation)	14th Biennial National Conference of the Indian Society of Medical Mycologists-2023	22-26.03.2023	Regional institute of Medical sciences, Imphal, Manipur.

Dr. Ujjwala Gaikwad

S. No.	Authors	Title	Conference	Date	Organised By
1.	Atish Mohapatra, Ujjwala Gaikwad, Ranganath T Ranga, Pratibha Sharma	*Diagnostic accuracy of Lipoarabinomannan detection in pleural tuberculosis	International Congress of Infectious Diseases 2022 at Kuala Lumpur, Malaysia.	17 - 20.11.2022	International Society of Infectious Diseases (ISID)
2.	Rahul Garg, Anjali Chand, Ujjwala Gaikwad, Anudita Bhargava	Comparison of TrueNat polymerase chain reaction with Mycobacterium growth indicator tube culture in the diagnosis of Extrapulmonary Tuberculosis: A Single Centre Observational Study	"MICROCON 2022", 45 th annual conference of Indian Association of Medical Microbiologists	24 - 27.11.2022	KIMS, Bhubaneswar

* Received the "Bill-Melinda Gates Foundation Professional Development Award" (travel grant) by International Society of Infectious Diseases.

Dr. Sanjay Singh Negi

S. No.	Author	Title of Presentation	Conference	Date	Organised By
1.	Negi SS, Sharma K, Singh P, Bhargava A.	Genetic analysis of circulating SARS-CoV-2 strains obtained from symptomatic and asymptomatic patients of COVID-19 in Chhattisgarh.	6 th Online International Conference on Infectious Diseases on theme Infectious Diseases Prevention, Control and Cure.	29-30.11.2022	USA

Paper Presented as co-author in Conference

Dr. Anudita Bhargava

S. No.	Authors	Title	Conference	Date	Organized By
1.	Harman Preet Kaur, Archana Keche, Anudita Bhargava,	Candidemia due to <i>Candida pelliculosa</i> in neonates admitted in SNCUs of district hospitals of Chhattisgarh: first state-wide study from secondary-level health care facilities in Central India.	International Conference of Medical Mycology	October 2022	PGI, Chandigarh

Dr. ArchanaKeche

S. No.	Authors	Title	Conference	Date	Organized By
1.	Karthika J, ArchanaKecheWankhade, Rahul Garg	Usual Pathogen from Unusual Sites Presentations: A Case Series of Extrapulmonary Aspergillosis	MAHA-MICROCON-2022	17.09.2022	ByramjeeJeejeebhoy (B J) Government Medical College, Pune, Maharashtra, India
2.	Garg R, Das P, Wankhade AB, Agarwala P, Behera S.	Factors related to outcome of bloodstream infections due to <i>Candida parapsilosis</i> complex: A single center observation study from Central India			
3.	Archana Keche, SibaniBehera, RichaTigga, VijayaSahu, Neeta Mishra.	Mycological profile of keratitis from tertiary care center in the state of Chattisgarh,	International Conference ISHAM-2022 at Hotel the Ashok, New Delhi, India	20 - 24.09.2022	International Society for Human and Animal Mycology
4.	Harman Preet Kaur, Archana Keche, Anudita Bhargava,	Candidemia due to <i>Candida pelliculosa</i> in neonates admitted in SNCUs of district hospitals of Chhattisgarh: first state-wide study from secondary-level			

		health care facilities in Central India			
5.	Archana Keche ; Swadha; Karthika J	Microsporidial Keratitis: A rare ocular parasitic etiology	16th National Conference of Indian Academy of Tropical Parasitology	23.09.2022 - 24.09.2022	The West Bengal Chapter, IATP Calcutta Medical College & Hospital, Kolkata
6.	Dr. Archana Keche, Dr. Girish Patil, Dr. Rangnath TG, Dr. Dibakar Sahu	Diagnostic Utility Of Galactomannan Antigen For Early Diagnosis Of Invasive Aspergillosis: A Study From A Tertiary Care Hospital Of Central India	14th Biennial National Conference of the Indian Society of Medical Mycologists-2023	22-26.03.2023	Regional institute of Medical sciences, Imphal, Manipur.

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	An activity on Neonatal Septicemia among neonates admitted in various SNCUs of CG	Dr. Anudita Bhargava	NHM, CG	Ongoing activity	August 2022	Not defined
2.	State-level VRDL	Dr. Anudita Bhargava	DHR-ICMR, New Delhi	Ongoing	December 2017	Till June 2025
3.	Validation of various COVID-19 Rapid antigen detection kits, as per request from ICMR.	Dr. Anudita Bhargava	ICMR	Two years	November 2020	October 2022
4.	SARS-CoV-2 sero-surveillance among healthcare workers at a tertiary care reference center in Central India: A cross-sectional study	Dr. Anudita Bhargava	AIIMS Raipur	Three months	April 2022	July 2022
5.	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/-
6.	Genetic analysis of circulating SARS-CoV-2 strains obtained from	Dr. Sanjay Singh Negi	AIIMS, Raipur	One and Half Years	2021-Dec, 2022	5 Lakh

symptomatic and asymptomatic patients of COVID-19 in Chhattisgarh.					
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Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	SARS-CoV-2 sero-surveillance among healthcare workers at a tertiary care reference center in Central India: A cross-sectional study	Dr. Anudita Bhargava	AIIMS Raipur	Three months	April 2022	4,99,578/-

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

S. No.	Project
1.	MD (Microbiology thesis)- Comparison of various serological assays and RNAPOC (point of care) tests for the laboratory diagnosis of Hepatitis C Virus infection among patients on hemodialysis. Student's name: Dr. Harmanpreet Kaur
2.	MD (Microbiology thesis)- Molecular typing of Dengue viruses circulating in Chhattisgarh region and an analysis of its clinical correlation: A clinico-microbiological study. Student's name: Dr. Swadha
3.	Utility of Molecular methods in diagnosis of filamentous fungal infections with special reference to Mucormycosis, Aspergillosis & Pneumocystosis
4.	Study of Spectrum of Candidiasis at AIIMS, Raipur
5.	Spectrum of Fungal eye infections, A clinical and microbiological prospective study at tertiary centers in Raipur, Chhattisgarh
6.	Study of predisposing factors and fungal profile of otomycosis in patients visiting to tertiary care hospital in central India (sent to ICMR-STs)
7.	Utility of Surveillance Cultures and Infection Control Bundle Compliance Rates to Predict Catheter Colonization and CLABSI among Patients Undergoing Acute Haemodialysis through Non-Tunnelled Catheter.
8.	Prevalence and Characterization of Pyrazinamide Resistance among the Clinical Isolates of Mycobacterium tuberculosis Complex from a Tertiary Care Hospital in Chhattisgarh.
9.	Real Time Assessment of Effectiveness of Alcohol-based Hand Rubs in Disinfecting Non-critical Patient Care Items in Tertiary Care Hospital Settings.
10.	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. Rujuta.

Completed

S. No.	Project
1.	ICMR STs-An audit of requisitions for Total Serum IgE: A Pilot Study to Evaluate Clinical Utility of Serum IgE estimation. Student's name: Harshita Dokania

2	MD (Microbiology thesis)-Occult Hepatitis B infection among chronic kidney disease patients in a tertiary health care centre: a preliminary study. Student's name: Dr. Kranthi Rekha V
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Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	A multicentric National Project Funded by CDC, India in Collaboration with AIIMS, New Delhi
2.	Burden of Multidrug-Resistant Neonatal Sepsis in District Hospital settings in India'	A Multicentric Project Funded by Bill and Milinda Gates Foundation Department of Pediatrics, District hospital Mahasamund (C.G.)
3.	Detecting Vertical Transmission of Beta Coronavirus SARS-CoV-2 from Infected Pregnant Women to Fetus in Utero. Intramural Non-funded	Department of Gynaecology and Obstetrics
4.	SCOPE Study – 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 & Pregnancy.	Funded by WHO Department of Gynaecology and Obstetrics
5.	Vaccine-Preventable Disease (VPD) laboratory Network in Raipur, Chhattisgarh	Funded by WHO
6.	Capacity Building and Strengthening of Hospital Infection Control to Detect and Prevent Antimicrobial Resistance in India	A multicentric National project funded by CDC, India in collaboration with AIIMS, New Delhi
7.	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
8.	Role of Histopathological findings as an Aid in the Prognosis of post COVID-19 Rhino-Orbito-Cerebral Zygomycosis	Department of Pathology, AIIMS Raipur
9.	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
10.	Identification of Candida Species Isolated from Patients of Pemphigus Vulgaris with Oral Candidiasis and their Antifungal Susceptibility Pattern	Department of Dermatology, AIIMS Raipur
11.	HLA association in Leprosy Patients from an Endemic area of central India: A Case- Control Study	Department of Dermatology
12.	Pan India Epidemiological, Virological and Genomic Surveillance for Human Influenza and COVID-19 through DHR-ICMR VRDL Network.	DHR-ICMR
13.	Monitoring of Dengue and Chikungunya viruses circulating in India for changes in the Serotypes, Genotypes and Lineage Utilizing VRDL Network	DHR-ICMR

14.	Assessment of Neuraminidase Inhibitor Susceptibility by Detecting H275Y Mutation in Influenza A (H1N1) pdm09 Virus during 2018-2019 Seasons	DHR-ICMR
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Completed

S. No.	Project	Collaborating Department/Institution
1.	Burden of Multidrug-Resistant Neonatal Sepsis in District Hospital Settings in India	A multicentric project funded by Bill and Milinda Gates foundation. Department of Pediatrics, District hospital Mahasamund Completed in February 2022
2.	Intestinal Parasitic Infection as An Associated Risk Factor for Severe Acute Malnutrition In Rural Children In Age Group 6m-5yrs Of Raipur District: A Case Control Study	Department of Pediatrics, AIIMS Raipur
3.	Estimation of Risk associated with Zoonotic TB in India (Multicentric, extramural)	Department of Microbiology, Christian Medical College, Vellore
4.	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	Department of General Surgery, AIIMS Raipur.
5.	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 Community and Family Medicine, AIIMS Raipur
6.	Role of Gene-xpert on Pleural Biopsy Specimen following Thoracoscopy or Thoracotomy	Department of CTVS, AIIMS Raipur

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1. Kaur HP, Keche A, Bhargava A. Candidemia due to *Candida pelliculosa* in neonates admitted in SNCUs of district hospitals of Chhattisgarh: first state-wide study from secondary-level health care facilities in Central India. *Medical Mycology* 2022; 60 (S1): myac072P333 <https://doi.org/10.1093/mmy/myac072.P333>
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3. Keche A, Tigga R, Ganguly S, Chhabra N, Gupta R. Rare isolates from subcutaneous mycotic lesions; A study from tertiary care center in Chhattisgarh, India. *Medical Mycology*, Volume 60, Issue Supplement_1, September 2022,

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PATIENT CARE

1. A total of 1,80,847 diagnostic test were performed during the year.
2. Serology section of the department performing at least 35 different parameters. Testing almost 250 samples per day.
3. Started Dengue serology on ELFA (VIDAS) platform.
4. Catering to patients from various districts of Chhattisgarh, as well as

patients of AIIMS for testing Hepatitis B and C viral load.

5. Regularly started detection of Galactomannan facility for diagnosis of invasive Aspergillosis
6. Standardized RT-PCR test for detection of Pneumocystis, Aspergillosis & Mucormycosis.
7. Started serological diagnosis of Echinococcosis (by ELISA, detecting IgG

- Antibody) & antibody detection against filarial antigen.
8. Proposal regarding development of 'state of Art Mycology laboratory at AIIMS Raipur has been sent to ICMR which is under process.
 9. Mycobacteriology laboratory at Department of Microbiology got certification for performing Line Probe Assay (LPA) for Second line Antitubercular drugs, by NTEP in June 2022.
 10. Virology laboratory upgraded the

diagnostic panel to Real Time PCR testing facility for SARS-CoV-2, Influenza virus A & B, H1N1, 14 HR-HPV, HBV, HCV, HSV, Dengue serotyping, Chikungunya, JE, Zika, viral meningitis (HSV, EBV, CMV, Adenovirus, HHV-6 & 7, Human Parvovirus 19, Enterovirus, Parechoviruses), respiratory virus panel (Inf A, B, H1N1, RSV, Parainfluenza 1,2,3,4, SARS-CoV-2, Coronavirus HKU1/NL63, Rhinovirus/enterovirus, Adenovirus, Metapneumovirus).

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Department of Microbiology, AIIMS-Raipur was chosen to represent the Central Zone of the country, to host an academic event titled- IAMM PG Assembly
2. State-level VRDL & Department of Microbiology organized two 5-day workshops for laboratory technicians, posted in Medical colleges and District Hospitals of Chhattisgarh, on Laboratory diagnosis of Viral Hepatitis under National Viral Hepatitis Control program. Schedules: 3rd to 7th January, 2023 and 20th-24th February, 2023.
3. Organized a Three Days National CME on "ASPICON 2022 Bad Bugs No Drugs: Time to escalate AMSP Measures." on 12th – 14th November, 2022.
4. Organized a "Antimicrobial Awareness Week" on November, 2022.
5. Dr. Archana Keche achieved first position in poster presentation in the 14th National Conference of the Indian Society of Medical Mycologists-2023 held at RIMS Imphal, Manipur.
6. Dr. Girish Patil, Senior resident, department of Microbiology won third prize in poster presentation in the VAMCON 2023 held on 25-26 february 2023 at MGIMS Sevagram
7. Dr. Swadha Postgraduate student, department of Microbiology won first prize in quiz competition held at 16th National Conference of Indian Academy of Tropical Parasitology on September 23, 2022 to September 24, 2022
8. Dr. Karthika, Postgraduate student, department of Microbiology won second prize in quiz competition held at MAHA-MICROCON-2022 conference on September 17 September 2022 at BJMC Pune, Maharashtra.
9. Dr. Ujjwala Gaikwad, Additional Professor, Department of Microbiology, obtained "Certification in Infection Control (CIC)" offered by Certification Board of Infection Control and Epidemiology (CBIC), USA.

Department of Neonatology

Associate Professor and In-charge

Dr. Phalguni Padhi

Assistant Professor

Dr. Rohit Anand (From 11.10.2022)

HIGHLIGHTS

Our neonatal unit is capable of managing extreme premature baby with provision of highest level of neonatal care with compassion. In both waves of COVID-19, we have also managed COVID suspected and Covid positive babies in our isolation area. CPAP workshop was conducted for medical officers and nursing officers at SNCU.

PDCC in Neonatology was started in August 2019 and first batch of four Fellows for neonatology have passed. Proposal for DM in neonatology has been accepted by academic committee.

EDUCATION

Organised Training of trainers for CPAP and ventilator. Mentoring visit and training of medical officers/nurses at SNCU. Teaching and training program of Medical officers posted for 6 week pediatric training. Training and presentation by nursing officers once per week is also performed. Interdepartmental teaching of fellows is also regularly done. Resource person for HICC/NRP/CPAP/KMC workshop. Resource person for Internship/JR/SR induction program. Faculty for MEU neonatal resuscitation training.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organised By
1.	Danger Signs in Neonate	NAPEM	04.11.2022	Dept of Pediatrics AIIMS Raipur
2.	Antimicrobial Stewardship	ASPICON2022	10.10.2022	Dept of Microbiology

RESEARCH

Departmental Projects – Non-Funded Projects/ ICMR-STC 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

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

S. 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	Dept. Of Pediatrics
2.	Analyzing platelet and FFP transfusion in infants and best recommendations	Dept. of Transfusion Medicine
3.	Optimal Neonatal, Ophthalmological care, and severity of Retinopathy of prematurity- A retrospective analysis	Dept. of Ophthalmology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Initiating Antimicrobial Stewardship activities in hospitals in India	Dept. of Microbiology
2.	Detecting intrauterine transmission of SARS covid 19 from infected mother to neonates	Dept. of Obstetrics and Gynaecology

Department of Neurology

Assistant Professor & In-Charge

Dr. Saravana Sukriya S

HIGHLIGHTS

The department of Neurology started out patient services from 13.12.2022. Indoor services are provided in collaboration with the department of General Medicine.

CMEs/WORKSHOPS/ NATIONAL AND INTERNATIONAL CONFERENCES

Dr. Saravana Sukriya S

S.no	Conference/CME	Date	Organised by
1.	National Conference of Neuro Ophthalmology (NCNO) 2023	10 - 12.02.2023	PGIMER, CHANDIGARH
2.	Asian and Oceanian Parkinson's Disease and Movement Disorders Congress	17 - 19.03.2023	Movement Disorder society, India

PATIENT CARE

The department of Neurology provides OPD services four days a week. A total of 2519 patients have been attended since December 2022.

Department of Neurosurgery

Associate Professor & In-charge

Dr. Anil Kumar Sharma

Associate Professors

Dr. Gandhoke Charandeep Singh (from 05.07.2022)

Dr. Shailendra D. Anjankar (from 05.07.2022)

Dr. Binoy Kumar Singh (from 18.11.2022)

Assistant Professor

Dr. Ashish Sharma (from 30.09.2022)

HIGHLIGHTS

The Department of Neurosurgery continued to scale new heights in patient care, research and training. The department of Neurosurgery is able to cater to almost all neurosurgical diseases affecting the cranium, spine and peripheral nervous system. Deep brain stimulation surgeries (DBS) started for Parkinsons disease and department is pioneer in starting these services first time in central India. National conference of cerebrovascular society of India was organized by the department

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 Post Graduates 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.

LECTURES DELIVERED/INVITED TALKS AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anil Kumar Sharma

S.No.	Title	CME/Conference	Date	Organised By
1.	Skull Base Endoscopic Surgeries: Expanding Horizons	11 th Annual Conference of Neurological Surgeons Society of India (NSSICON) & 7 th Annual Telangana Neurosciences Society Conference (TNSSCON)	04.03.2023	Gandhi Medical College, Hyderabad

2.	Intradural Posterior Clinoid process Drilling: Operative Nuances	11 th Annual Conference of Neurological Surgeons Society of India (NSSICON) & 7 th Annual Telangana Neurosciences Society Conference (TNSCON	03.03.2023	Gandhi Medical College, Hyderabad
3.	Surgical Nuances in EEA to Ventral Skull Base	NEUROENDOCON, 9th Annual Meeting of Neuroendoscopy Society – India	25.03.2023	<u>PGIMER, Chandigarh</u>
4.	Tailored Far Lateral Approach for Foramen Magnum Lesions	Chitra Neurosurgical Update and Prof. D Rout Oration	3 rd -5 th Feb,	SCIMST, Trivandrum
5.	Microsurgical approach to Cerebral Aneurysm	EWNC Academy/Neurosurgical TV, (under Auspices of WFNS Cerebrovascular Disease and Therapy Committee)-Webinar	07.01.2023	EWNC Academy- WFNS cerebrovascular disease and therapy committee
6.	Cerebral Revascularisation	Preconference Microvascular Anastomosis Workshop, NSICON (70 th Annual Conference of Neurological Society of India), Agra	07.12.2022	Neurological Society of India (NSI)
7.	Tailored far Lateral approach to Foramen Magnum Lesions: Doing more with Less	NSICON (70 th Annual Conference of Neurological Society of India), Agra	11.12.2022	Neurological Society of India
8.	Foramen Magnum Lesions	EWNC academy Skull base congress, virtual congress with WHO IS WHO in the world of neurosurgery	02-03.12.2022	EWNC Academy
9.	C1-2 reduction and fixation: How to Deal with Anomalous Vertebral Artery	Global Webinar on Spine and Spinal Disorders	28.11.2022	Webinar
10.	Anomalous Vertebral Artery mobilisation for C1 C2 fixation,	NSI-webinar	26.11.2022	Neurological Society of India

11.	Widening Horizons of Skull Base Endoscopic Surgery	SKULLBASECON (23 rd Annual conference of Skull Base Surgery Society of India)	05.11.2022,	NIMHANS, Bengaluru
12.	Minimally Invasive approach to Anterior Skull Base Meningioma	SKULLBASECON (Annual conference of skull base society of India)	05.11.2022,	NIMHANS, Bengaluru
13.	Surgery for Giant Multicompartmental Trigeminal Schwannomas	MP CG Neurocon 2022, Bhopal	15.10.2022	MP association of neuroscientist
14.	Extended Endoscopic approach for Meningioma	IFNE Interim Meeting 2022, Hyderabad	29.10.2022	International Federation of Neuroendoscopy
15.	Endoscopic Transplanum approach	World Neurosciences Summit	28.08.2022	Medanta Institute of Neurosciences, New Delhi
16.	Multicompartmental Trigeminal Schwannomas : Surgical Technique and Nuances	16th Asian Australasian Congress of Neurological Surgeons, Jerusalem, Israel	06-08.09.2022	Asian Australasian Congress of Neurological Surgeons
17.	Establishing Neurosurgery Department in AIIMS, Raipur: Challenges Faced and Vision for Future	Inaugural Meeting of The Young Neurosurgeon Forum of The Neurological Society of India, Chennai	11.06.2022	Neurological Society of India
18.	Indocyanine Green Video-angiography in Cerebrovascular Surgery- An underutilised Tool	CME, Raipur	04.06.2022,	CAN
19.	Cranio-vertebral Junction: Basics and Beyond	Guest Lecture	20.05.2022	DKS Post Graduate Institute, Raipur
20.	Craniopharyngioma: Surgical Nuances	Guest Lecture	28.04.2022	DKS Post Graduate Institute, Raipur
21.	Anomatous Vertebral Artery Mobilization for C1-C2 Reduction and Fixation: Operative Nuances	2 nd Rajasthan Neurosciences Update 2022	07 - 08.10.2022	AIIMS, Jodhpur

ORAL PAPERS/POSTERS PRESENTED

Dr. Shailendra Anjankar

S.No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Shailendra Anjankar	Rare case of Hemimeningomyelocele with Vertebra Aplasia. Scientific Paper Presentation	11 th Annual Conference of Neurological Surgeons Society of India (NSSICON) & 7 th Annual Telangana Neurosciences Society Conference (TNSCON)	03 - 05.03.2023	Hyderabad

Departmental Projects – Thesis/Dissertations

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
3.	Surgical Outcomes of Anterior Circulation Aneurysm At Tertiary Care Centre of Central India

Collaborative Projects

S. No.	Project	Collaborating Department/Institution
1.	An epidemiology study of traumatic head injury and spinal cord injury	AIIMS, Delhi

PUBLICATIONS

- Sharma AK, Nagarkar NM, Gandhoke CS, Sharma S, Juneja M, Kithan ZM, Aggarwal A, Arora RD, Mehta R, Syal S, Anjankar SD, Thangaraju P. Rhinocerebralmucormycosis (RCM): To study the clinical spectrum and outcome of 61 cases of RCM managed at a tertiary care center in India. SurgNeurol Int. 2023;14:15. doi: 10.25259/SNI_1065_2022. eCollection 2023. PubMed PMID: 36751448; PubMed Central PMCID: PMC9899475.

2. Sharma AK, Gandhoke CS, Juneja M, Chowhan AK. Juvenile Psammomatoid Ossifying Fibroma of the Orbital Roof: A Rare Presentation. *Ophthalmic Plast Reconstr Surg*. 2023 Jan-Feb 01;39(1):e29. doi: 10.1097/IOP.0000000000002222. Epub 2022 Jun 3. PubMed PMID: 35657673.
3. Chaturvedi J, Sharma AK. Decompressing a Neurosurgeon. *Neurol India*. 2023 Jan-Feb;71(1):142-144. doi: 10.4103/0028-3886.370464. PubMed PMID: 36861590.
4. Sarma P, Pant I, Garg M, Sharma AK. Efficacy and Outcome of Embolization of Intracranial Meningiomas With Minimal Resources. *World Neurosurg*. 2022 Nov;167:e1-e9. doi: 10.1016/j.wneu.2022.05.002. Epub 2022 May 7. PubMed PMID: 35537693.
5. Mehta R, Rao KN, Nagarkar NM, Sharma A, Kumar B, Karthik P. Outcomes of Open Fronto-Facial Resection for Fungal Osteomyelitis of Frontal Bone. *Rambam Maimonides Med J*. 2022 Oct 27;13(4). doi: 10.5041/RMMJ.10484. PubMed PMID: 36394502; PubMed Central PMCID: PMC9622391.
6. Panigrahi M, Bodhey NK, Pati SK, Hussain N, Sharma AK, Shukla AK. Differentiation between various types and subtypes of intracranial meningiomas with advanced MRI. *SA J Radiol*. 2022;26(1):2480. doi: 10.4102/sajr.v26i1.2480. eCollection 2022. PubMed PMID: 36337074; PubMed Central PMCID: PMC9634949.
7. Nayak N, Sharma AK, Gupta SK, Singh PR. Acute presentation of giant sporadic vestibular schwannoma with massive hemorrhage: A critical review with a case illustration. *Brain Spine*. 2022;2:100897. doi: 10.1016/j.bas.2022.100897. eCollection 2022. PubMed PMID: 36248139; PubMed Central PMCID: PMC9560689.
8. Sharma AK, Singh PR, Satpute S, Nayak N, Gupta A, Sharma RK, Nagarkar NM. Cervical Chondrosarcoma: A critical review with an illustration of a rare technically challenging case. *Romanian Neurosurgery*. 2022 Sep 15:334-41.
9. Chaturvedi J, Singh PR, Sharma AK, Mudgal SK, Sharma SK. Stereotaxy in relation to world wars: A review on evolution of stereotactic frames. *Journal of Medical Evidence*. 2022 Sep 1;3(3):249.
10. Sharma, A.K., Sharma, R., Misra, S., Misra, N., Ashik, R., Hussain, N., Nayak, N. and Singh, P.R., 2022. Pleomorphic Adenoma of the Orbital Ectopic Lacrimal Gland: An Extremely Rare Occurrence with Review of Literature. *Neurology India*, 70(1), p.296. PubMed PMID: 35263899.

E-POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Mohit Juneja, Dr. Anil Kumar Sharma	Infantile Intracranial Aneurysm: A Rare Entity.	22nd Annual Conference of Cerebrovascular Society of India (NEUROVASCON 2022)	24-26.09.2021	Department of Neurosurgery AIIMS, Raipur

2.	Dr. Siddharth Sharma, Dr. Anil Kumar Sharma	Surgical resection of giant solid haemangioblastomas without preoperative embolisation	22nd Annual Conference of Cerebrovascular Society of India (NEUROVASCON 2022)	10-12.12.2021	Department of Neurosurgery AIIMS, Raipur
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ORAL PAPERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Siddharth Sharma	Clinical spectrum and quality of life in vestibular schwannoma patients treated in AIIMS Raipur	SKULLBASECON (23 rd Annual conference of Skull Base Surgery Society of India)	05.11.2022	NIMHANS, Bengaluru

PATIENT CARE

OPD	IPD	Major OT
11047	1240	865

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Department of neurosurgery organized 22nd Annual Conference of Cerebro-Vascular Society of India (NEUROVASCON 2022)
- Department of neurosurgery organized 2nd Annual Brain Tumor Symposium, AIIMS, Raipur, 10th June, 2022
- Dr Mohit, MCh resident received 2nd prize in NEUROVASCON 2022 for best poster
- Guest lecture by Professor M K Tewari, PGI Chandigarh

Dr. Anil Kumar Sharma

- Elected as Executive Committee Member- Cerebrovascular Society of India (CVSI) 2022-24
- Elected as Executive Committee Member- Neurological Surgeons Society of India (NSSI) (2023-25)
- National faculty-Microvascular anastomosis workshop, Preconference microvascular anastomosis workshop, NSICON (70th Annual Conference of Neurological Society of India), Agra
- Dr. Anil Kumar Sharma is serving as Assistant Editor- Indian Journal of Neurotrauma (IJNT), Official Journal of Neurotrauma Society of India (NTSI).
- He is also serving as Review Editor for Neurosurgery section in Frontiers in Surgery Journal
- Organising Chairperson- 2nd Annual Brain Tumor Symposium, AIIMS, Raipur
- Organizing Secretary- 22nd Annual Conference of Cerebro-Vascular Society Of India (NEUROVASCON 2022)

Department of Nephrology

Assistant Professor & In-charge

Dr. Vinay Rathore

Assistant Professor

Dr. Rohit P. Badge (Joined on 18.11.2022)

HIGHLIGHTS

The department has initiated both 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. The department has started registration for waitlisted patients in Deceased Donor Transplant Program.

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 Construction and daycare facilities for Immunosuppression.

Department started three new clinics:

1) Pediatric Nephrology Special Clinic:- It was inaugurated by Director Prof. (Dr.) Nitin M Nagarkar on World Kidney Day. It provides care to more than 60 children suffering from Kidney Diseases.

2) Peritoneal Dialysis Special Clinic: - It provides care to more than 60 patients on CAPD who receive CAPD through MVSSY and ABPMJAY Yojana PMNDP

3) Kidney Transplant Clinic:- It provides care to more than 60 patients of Kidney transplant recipients and their donors. Registration of patients for live and deceased donor kidney transplantation has started in the department of Nephrology. Till now 12 patients have been registered in SOTTO, Chhattisgarh.

EDUCATION:

D.M. Nephrology: 6 D.M. students are pursuing D.M. Nephrology at AIIMS Raipur. Regular classes and training for Dialysis Technicians and Nursing staff. Inter disciplinary meet with various departments like Urology, Pathology, Obstetrics and Gynecology and Pediatrics.

CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Training Program	Dialysis Training program under pmndp (jeevan dhara) for medical specialist / medical officer of district Hospital	27-29.03.2023	Department of Nephrology AIIMS Raipur
2.	Training Program	Training of Community Health Officers" of Chhattisgarh on Dialysis and Prevention of Kidney Diseases	11.01.2023, 12.01.2023, 18.01.2023 and 19.01.2023	Department of Nephrology AIIMS Raipur
3.	Training Program	Dialysis Training program under PMNDP (Jeevan Dhara) for Medical Specialist / Medical Officer of District Hospital	07-09.07.2022	Department of Nephrology AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Vinay Rathore

S. No.	Title	CME/Conference	Date	Organized by
1.	C3 Glomerulopathy	National CME on Paediatric Nephrology on the Occasion of World Kidney Day	13.03.2022	Division of Nephrology, Department of Pediatrics PGIMER, Chandigarh,
2.	Withdrawal of life-sustaining treatment	National Conference of Indian society of Organ Transplant (ISOT)	12-16.10.2022	ISOT, Nagpur
3.	1. Management of Potassium Disorders 2. Clinico-epidemiological profile of patients with Chronic Kidney Diseases of Unknown etiology: A Hospital based Cross sectional study from Central India"	West Zone conference of Indian Society of Nephrology	14 - 16.09.2022	West Zone conference of Indian Society of Nephrology Aurangbad , Maharashtra
4.	Uptake of Peritoneal Dialysis in the community – Issues & challenge	Workshop on "Developing ecosystem for assured dialysis services in North East Region	03.12.2022	National Health system Resource Centre, Guwahati in association with MoHFW with help of NHSRC and RRC-NE ,Guwahati, Assam
5.	AKI & PD-Common prescription and Prof and Streamlining Clinical Decision in ER (as chairperson	First National Conference in pediatric department of AIIMS Raipur	04 - 06.11.2022	AIIMS, Raipur
6.	Non-steroidal MRAs	CGAPICON-2022	05 - 06.11.2022	Association of Physicians of India Chhattisgarh Chapter

Dr. Rohit P. Badge:

S. No.	Title	CME/Conference	Date	Organized by
1.	Role of Tacrolimus after Kidney Transplant	National Conference of Indian society of Organ Transplant (ISOT)	12 - 16.10.2022	ISOT, Nagpur
2.	1. Spectrum of AKI in Tropical Fever 2. Proliferative glomerulonephritis associated with monoclonal immune deposits : A case report (PGNMID)	National Conference of Indian Society of Nephrology	01-04.12.2022	ISN-India, Pune

RESEARCH

Funded Projects

Ongoing:

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End Year	Total Funds Sanctioned (Rs.)
1.	Treatment of a 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/Wellcome Trust, U.K.)	3	2021-24	2 Lakhs Approx As per Competitive recruitment
3.	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
4.	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	Rs 30000 0/- per patient recruited (competitive recruitment)

Completed

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	Dr. Vinay Rathore	AIIMS, Raipur	One year	2019-2021	Four lakhs

	Kidney Disease of Unknown Aetiology Attending AIIMS, Raipur, Chhattisgarh					
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

Departmental Projects (including thesis/dissertations)

Ongoing:

Sr. No.	Title of thesis/dissertation/Project
1.	Immunogenicity and effectiveness of COVID 19 vaccines in patients with chronic kidney disease: a pilot study.
2.	Characterization of hyponatremia in patients of Chronic Kidney Disease of unknown etiology (CKDu) visiting AIIMS Raipur
3.	A case control study on prevalence and characterisation of mineral bone disease in patients of CKDu
4.	Study of serum and urine heavy metals and fluoride levels in patients of chronic kidney disease of unknown etiology

Completed:

Sr. No.	Title of thesis/dissertation/Project
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

Collaborative Projects

Ongoing:

Sr. No.	Title of thesis/dissertation/Project	Collaborating Department/Institution
1.	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
2.	Early versus conventional initiation of RRT in children with Acute kidney Injury: A Randomized controlled trial	Pediatrics
3.	Evaluation of dried blood spot (DBS) for diagnostic feasibility in the detection of anti-HCV antibody, HCV RNA quantitation, and HCV genotyping.	Microbiology
4.	Utility of surveillance cultures and infection control bundle compliance rates to predict catheter colonization and CLABSI among patients undergoing acute hemodialysis through non-tunnelled catheter	Microbiology

5.	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
6.	Evaluation of Changes in ocular Parameters in Patients undergoing Hemodialysis	Ophthalmology
7.	Study: "A cross-sectional study of dermatological manifestations in chronic kidney disease patients in a tertiary care institute of Central India"	Dermatology
8.	Correlation of Th17 cells and cytokines (IL-17 and IL 10) with disease activity index in SLE	Biochemistry
9.	Clinical and laboratory profile of patients with lupus nephritis – study from central India	General Medicine
10.	Assessing protein energy wasting (PEW) in idiopathic adult onset nephrotic syndrome using bio-impedence spectroscopy (BIS)	General Medicine
11.	Study of small and middle molecules in children 6months to 14 years undergoing peritoneal dialysis	Pediatrics
12.	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

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

PUBLICATIONS**Dr. Vinay Rathore**

- Jardine MJ, Kotwal SS, Bassi A, Hockham C, Jones M, Wilcox A, Pollock C, Burrell LM, McGree J, Rathore V, Jenkins CR, Gupta L, Ritchie A, Bangi A, D'Cruz S, McLachlan AJ, Finfer S, Cummins MM, Snelling T, Jha V; CLARITY trial investigators. Angiotensin receptor blockers for the treatment of covid-19: pragmatic, adaptive, multicentre, phase 3, randomised controlled trial. *BMJ*. 2022 Nov 16;379:e072175. doi: 10.1136/bmj-2022-072175. PMID: 36384746; PMCID: PMC9667467.
- Singh S, Beniwal P, Gaur N, Sharma M, Rathore V, Malhotra V. Rare cause of anuria in a patient with horseshoe kidney. *Turk J Nephrol*. 2022;31(2):183-186.

PATIENT CARE DATA

OPD	12561
IPD	1458
RENAL BIOPSY	238
ACUTE PERITONEAL DIALYSIS	300
CAPD	43
HEMODIALYSIS	5827
CRRT	18
PLASMAPHERESIS	191
PERMACATHS INSERTION	319
AVF CREATION	34
LIVE TRANSPLANT	02
DECEASED TRANSPLANT	01

Department of Nuclear Medicine

Associate Professor & In-Charge

Dr. Mudalsha Ravina

HIGHLIGHTS

Started performing Robotic Navigation associated tumor sampling system under FDG guidance in collaboration with Pulmonology department. Starting of GFR estimation with plasma clearance method for renal donors. New tracers F18 - DOPA and F18-PSMA.

EDUCATION

DNB clinical presentations at national level. Cardiac Case Presentation at NBEMS Teaching Program at NBEMS, Delhi in January 2023. Thyroid Case Presentation at NBEMS Teaching Program at NBEMS, Delhi in January 2023.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCE

S. No.	Title	CME/Conference	Date	Organised By
1.	Cardiac Clinical Case Presentation	Nuclear Cardiology Connect	28.02.2023	NCSI, India and AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Mudalsha Ravina

S. No.	Title	CME/Conference	Date	Organized By
1.	Role of PET/CT in recurrent brain tumors	NEUROCON 2022	15.06.2022	AIIMS Raipur
2.	Role of PET/CT in Prostate Cancer	UROCON 2022	06.08.2022-07.08.2022	AIIMS Raipur
3.	Role of FDG PET/CT in Multiple myeloma	Myeloma Conference	13.08.2022	AIIMS Raipur
4.	Role of Nuclear Medicine in GI Malignancies	GI Cancer Symposium	06.11.2022	GI Foundation, Bilaspur
5.	Role of FDG PET/CT in Lymphoma	Recent Advances in Nuclear Medicine Imaging and Therapy	25.11.2022-26.11.2022	SKIMS, Soura, Srinagar

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Ravina M, Rangnath T G, Behera A K, Krishna S, Rath A K.	Metabolic 18F FDG PET/CT Guided Intrathoracic Tumor Biopsies: An Analysis of Initial Experience from Central India.	NALCON 2023 (Won Best Paper Award)	15.02.2023	Indian Society for Study of Lung Cancer.

2.	Dasgupta S, Ravina M, Singh S, Thakur C, Lukose T, Bansal H, Krishna S, Kote R	Assessment of right ventricular ejection fraction by first pass radionuclide ventriculography and its comparison with Echocardiography determined surrogate markers of right ventricular function in patients with dilated cardiomyopathy	SNMICON 2022 (Selected for poster presentation)	10.12.2022	AIIMS Delhi
3.	Kote R, Ravina M, Kashyap Y, Kumar A, Krishna S, Dasgupta S.	Role of Textural Analysis of Pre-treatment 18F FDG PET/CT in Response Prediction in Oesophageal carcinoma patients.	SNMICON 2022 (Selected for paper presentation)	10.12.2022	AIIMS Delhi
5.	Dasgupta S, Ravina M, Singh S, Thakur C, Lukose T, Bansal H, Krishna S, Kote R	Assessment of right ventricular ejection fraction by first pass radionuclide ventriculography and its comparison with Echocardiography determined surrogate markers of right ventricular function in patients with dilated cardiomyopathy	ANMPICON 2022 (Selected for paper presentation)	24.09.2022	ANMPI
6.	Kote R, Ravina M, Nanda S, Kashyap Y, Kumar A, Lukose T, Moideen A, Bansal H, Krishna S, Dasgupta S.	Prognostic Value of Textural features of Pretreatment 18F-FDG PET/CT in patients with Lymphoma.	ANMPICON 2022 (Selected for paper presentation)	24.09.2022	ANMPI

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	1	2022-2023	309553

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

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	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	Cardiology
2.	Role of Textural Parameters in Predicting Histological & Molecular Subtype in Grade of Tumour in Breast Cancer Patients	Pathology, General Surgery
3.	Correlation of Myocardial Perfusion Imaging with Coronary Artery Calcification Scoring in Evaluation of Coronary artery Disease in Intermediate Risk Population	Cardiology

4.	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
5.	A Case Control Study on Prevalence and Characterization of Mineral Bone Disease in Patients of CKD	Nephrology

PUBLICATIONS

1. Krishna S, Mishra AK, Ravina M, Kashyap Y, Bansal H, Dasgupta S. Primary biliary tuberculosismasquerading cholan - giocarcinoma in 18F-fluorodeoxyglucose positron emission tomography/computed tomography. Indian J Nucl Med 2022;37:265-7.
2. Krishna S, Ravina M, Kumar A, Dasgupta S, Kote R. 18F fluorodeoxyglucose positron emission tomography/computed tomography findings in a case of metastatic eccrine porocarcinoma – An extremely rare malignant adnexal tumor. Indian J Nucl Med 2023;38:89-90.
3. 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. Diagn Cytopathol. 2023 Mar;51(3):E89-E93.
4. 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, doi: 10.25259/JHAS_33_2022.

PATIENT CARE

	SPECT/CT	PET/CT	Radioiodine Therapy for Thyroid Carcinoma and Thyrotoxicosis Radio-Active Iodine Uptake Study	PET Guided Biopsies
Total	1564	2258	39	43

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Mudalsha Ravina was elected as Executive Committee member of Society of Nuclear Medicine (SNM), India; National Cardiological Society of India (NCSI), nominated as Editorial Board member of Indian Journal of Nuclear Medicine, won Gold medal as co author for oral paper presented in NALCON 2023 organized by Indian Society for Study of Lung Cancer, was a panelist for national teaching program under aegis NBEMS for DNB Nuclear Medicine Students.
2. Chairperson in Cyclotron advances session at cyclotron produced radioisotopes: Tools, Needs & Road ahead conference held in SGPGI, Lucknow in September 2022.
3. Chairing the session on Head and Neck Cancers at ANMPICON 2022, held in Baroda in September 2022.
4. Chairing the session on Prostate cancer in SNMICON 2022, held in AIIMS Delhi in December 2022.

Department of Obstetrics & Gynecology

Professor and Head of the Department

Dr. Sarita Agrawal

Additional Professors

Dr. Nilaj Bagde

Dr. Pushpawati

Dr. Vinita Singh

Associate Professor

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. As an enthusiastic department the Department aims to develop fully leverage and integrate to ground breaking research knowledge and practice in obstetrics & gynecology from the institution to transform women's health locally. In the area of Research many of the innovative research projects both with extramural and intramural funding is ongoing.

In addition to that 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. In coordination with Chhattisgarh Health department non communicable disease 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 continues regular academic activity for undergraduates and postgraduates and 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	Organised By
1.	Respectful Abortion Care	Webinar	23.04.2022	Department of Obstetrics & Gynecology with FOGSI
2.	Violence Against Women	Webinar	18.05.2022	Department of Obstetrics & Gynecology with FOGSI
3.	SSNPP CME Cum Live Colposcopy Workshop	CME cum workshop	09.07.2022	Department of Obstetrics & Gynecology
4.	FETOSPECTRUM 2023	National Workshop and CME	21.01.2023	Society of Fetal Medicine C.G. Chapter & Department of Obstetrics & Gynecology

5	Anaemia Detection and Awareness Camp Programme	Awareness Programme	02.02.2023	MDIP Committee FOGSI and Department of Obstetrics & Gynecology
6.	Hands on Training workshop on gynec endoscopy	Proctorship programme	18- 19.09.2022	Department of Obstetrics & Gynecology in collaboration with J& J
7	Hands on Training workshop on gynec endoscopy	Proctorship programme	23- 24.03.2023	Department of Obstetrics & Gynecology in collaboration with J& J
8	Endometriosis Awareness Programme	Awareness Programme	27.03.2023	ICMR NIRRH Mumbai & Department of Obstetrics & Gynecology (Collaboration)
9	Live laparoscopic surgery & Cadaveric workshop	State level live surgical workshop	20.04.2023	Department of Obstetrics & Gynecology in collaboration with Medtronicspvt LTD

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof.(Dr.) Sarita Agrawal

S. No.	Title	CME/Conference	Date	Organised By
1.	Ethics & Professionalism For Medical Educator	State level Workshop on medical education	Dec 2022	MEU AIIMS Raipur
2.	Orientation in Medical Research		24.11.2022	MEU AIIMS Raipur
3	Conventional PAP Smear and Liquid based Cytology as Screening Modality for Cervical Cancer	National workshop and CME	November 2022	Deptt pathology AIIMS Raipur
4	Recurrent Implantation Failure (Rif)- Clinician's Perspective	National conference of Indian Fertility Society	06.11.22	CG state chapter IFS with National IFS
5	Post Menopausal Bleeding Panel Discussion Moderator	Yuva FOGSI National conference	08.10.22	Jabalpur OBGY Society
6	Artificial Intelligence in OBGY	Yuva FOGSI National conference	08.10.22	Jabalpur OBGY Society
7	Non Immune HydropsFetalis – Evaluation and Management	Society of fetal medicine workshop Ambikapur	07.09.22	CG chapter SFM
8	Grievance Redressal, Work Place Violence	Hybrid workshop on violence against women		College of Nursing AIIMS Raipur
9	Adnexal Mass at PerimenopauseModerator Panel Discussion	CG State CME	15.05.22	Raipur Menopause Society
10	Targeted Chemotherapy in Gynecological Cancers	64 th ACOG national conference Indore	05.04.23	FOGSI India
11	Violence against Women – A FOGSI Initiative	CG state Webinar Violence against women	18.05.2022	Deptt of OBGY with FOGSI

12.	Respectful Abortion Care- How far we are	CG state Webinar	23.04.2022	Deptt of OBGY with FOGSI
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Dr. Nilaj Kumar Bagde

S. No.	Title	CME/Conference	Date	Organised By
1.	Fertility enhancements current trends	Conference	18.08.2022to 22.8.2022	FOGSI Vice President's conference at held Goa
2.	PCOS in Adolescence (As faculty)	Conference	04. 8.23 to 03.08.2023	65 th AICOG All India congress of obstetrics & Gynecology Biswa Bangla melapangan , Kolkata.
3.	Optimizing Energy in Laparoscopy (As faculty)	Conference	10.03.2023 to 12.03.2023	FOGSI South ZONAL conference with YUVA 2023, Calicut, Kerala.

ORAL PAPERS/POSTERS PRESENTED**Dr. Nilaj Bagde**

S. No.	Authors	Title	Conference	Date	Organised By
1.	Bagde N, Bagde H	Scrub Typhus Diagnostic Dilemma	COGSICON 2022 Annual conference	15- 16.10.2022	COVAI Obstetrics and Gynecology Society
2.	Bagde N, Bagde H	Non Puerperal Uterine Inversion Secondary to Submucosal Fibroid	AICC RCOG North Zone Annual Conference 2022	19.08.2022	AICC RCOG North Zone Annual
3.	Bagde N, Bgde H	Polyhydramnios and Disproportionate Growth pattern in a Fetus with Prader – Willi Syndrome: A Case Report (Won Silver Medal in the Poster Presentation)	18 th annual state conference of AOGCG 2022	10 – 11.09.2022	Raipur Obstetrics & Gynecological Society
4.	Bagde N Loukya K	Successful Reproductive outcome in Women with septate Uterus and Secondary Infertility corrected by Hysteroscopic Septal Resection	Endo kochi 2023 Annual national conference of Indian association of Gynecology Endoscopists (IAGE)	17.03.2023 to 19.03.2023	IAGE Kerala Chapter
5.	Bagde N, ShanbhagV	Contributing factors for Abnormal 75 G OGTT at 6 Weeks Postpartum in GDM patient – A prospective study. (Won silver Medal in the Paper presentation)	18 th annual state conference of AOGCG 2022	10 – 11.09.2022	Raipur Obstetrics &Gynecological Society

6.	Bagde N, Adhithya Raj P K,	Colposcopy guided Biopsy and P16 Correlation in Premalignant Lesions of Cervix	AICC RCOG North Zone Annual Conference 2022	19.08.2022	AICC RCOG North Zone Annual
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RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	National Registry on COVID-19 Infection among Pregnant Women and their Neonates" ICMR Multi Center Project	Dr. Sarita Agrawal	ICMR	3 Years	01-01-2021 - 2023	7,71,283 /-
2.	ICMR GDM Task Force	Dr. Sarita Agrawal	ICMR	4 Years	11-05-2020 to 2024	4540361
3.	ICMR PCOS COHORT STUDY PHASE-II.	Dr. Sarita Agrawal	ICMR	5 Years	2022 – 2026	1,31,83, 916 /-
4.	Role Of Geminin As A Tool For Augmenting Accurate Diagnosis Of Cervical Neoplasia	Dr Nilajkumar Bagde	AIIMS Raipur	4	2019-2023	5,00,000
5.	Clinical Phenotypes and Genetic Regulation of Endometriosis in Indian Women (Extramural Funded Project for 5 Years with ICMR)	Dr Nilajkumar Bagde	Wellcome Trust- DBT India Alliance	5	2019-2024	9,16,000/-

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	5.6Years	01-11-2017 to 30-04-2023	1,60,76,850 /- Central Zone

2.	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	6 MONTHS		Rs 1,40,000
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Departmental Projects–Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	A Three-year retrospective study of fetomaternal outcome in pregnancy with renal disease in a tertiary care centre. Dr Sarita Agrawal Dr Vijaylaxmi

Completed

S. No.	Project
1.	Prevalence and High-Risk Factors of Persistent Hyperglycemia Among Women With GDM- A Prospective Study Dr. Nilaj Bagde
2.	Role of Hysteroscopy in Evaluation of Intra Uterine Structural Pathology: Prospective Observational Study at A Tertiary Care Centre. Dr. Nilaj Bagde

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Improving maternal and newborn health care delivery using Quality Improvement Intervention Package.	Deptt of Paediatrics AIIMS Raipur UNICEF PI Dr. Atul Jindal Co-PI Dr Sarita Agrawal
2.	Establishment of DBT-NIDAN Kendra at All India Institute of Medical Sciences, Raipur, Chhattisgarh 2. Screening of pregnant women and newborns in Aspirational Districts – Rajnandgaon.	Deptt of Paediatrics AIIMS Raipur PI Dr. Anil Goel Co-PI Dr Sarita Agrawal

PUBLICATIONS:

Abstracts Published in Journal(s):

- Neethu Showkath, Meenakshi Sinha, Jayshri R. Ghate, Sarita Agrawal, Sucharita Mandal and Ramanjan Sinha, EEG-ERP Correlates of Cognitive Dysfunction in Polycystic Ovarian Syndrome. SAGE Journals (Annals of Neurosciences) <https://doi.org/10.1177/09727531221111531> 8. August 23, 2022
- Vinita Singh, Sabah Siddiqui, Nighat Hussain, Rachita Nanda, Amit Bugalia, Sarita Agrawal. Serum testosterone level and semen quality in male patients with sickle cell disease in outpatient department of Chhattisgarh: a case-control study. In Int J Clin Exp Pathol. 2022; 15(6): 247-252. www.ijcep.com /ISSN:1936-2625/IJCEP0133072; June 30, 2022
- Manisha B Sinha, Nighat Hussain, Sarita Agrawal Sperm DNA Fragmentation Index in Infertility Patients vs Normal Individuals: A

Cross-sectional Study DOI: 10.7860/JCDR/2022/51563.15979 yr 2022

- Das E, Singh V, Agrawal S, Pati SK. Prediction of Preeclampsia Using First-Trimester Uterine Artery Doppler and Pregnancy-Associated Plasma Protein-A (PAPP-A): A Prospective Study in Chhattisgarh, India. *Cureus*. 2022 Feb 8;14(2):e22026. doi: 10.7759/cureus.22026. PMID: 35340517; PMCID: PMC8913542
- Mohd.AshrafGanie a b m, Subhankar Chowdhury c m, VanitaSuri d m, Beena Joshi e m, Prasanta,Kumar Bhattacharya f m, Sarita Agrawal g m, Neena Malhotra h m, RakeshSahay i m, Puthiyaveettil,KhadarJabbar j m, Abilash Nair j m, RoyaRozati k m, Amlin Shukla l, Rabiya Rashid a m, Idrees.A. Shah b m, Haroon Rashid a m, Imtiyaz.AhmadWani a m, Taruna Arora l, Bharati Kulkarni l,PCOS Study GroupNormative range of various serum hormonal parameters among Indian women of reproductive age: ICMR-PCOS taskforce study outcome. *The Lancet Regional Health - Southeast Asia*, Volume 15, August 2023, 100226
- Mohd Ashraf Ganie; Subhankar Chowdhury; VanitaSuri; Beena Joshi; Prasanta Kumar Bhattacharya; Sarita Agrawal; Neena Malhotra; RakeshSahay; PuthiyaveettilKhadarJabbar; RoyaRozati et al. Prevalence, Regional Variations and Predictors of Overweight, Obesity and Hypertension Among Healthy Reproductive-aged Indian Women: Nationwide Cross-sectional PCOS Task Force Study *JMIR Public Health and Surveillance* 2022-11-22 | Journal article DOI: 10.2196/43199. URL <https://doi.org/10.2196/preprints.43199> yr2023

Chapter(s) in Books

S. No.	Author(s)	Editor	Book	Edition	Publisher	Year of Publication
1.	Sarita Agrawal SaritaRajbharJyotsana	First Stage of Labor	Labour and Delivery edited by Dr Ruchika Garg	.DOI : 10.1007/978-981-19-6145-8	springer publication Singapur	2023
2.	Sarita Agrawal, JyotsanaKashibhatl	Maternal Anemia and Its Impact on Perinatal Outcome	FOGSI FOCUS: Modern Approach to Anemia in Pregnancy	editor Dr. SurekhaTayde	Japee	2023

PATIENT CARE

	OPD	IPD	Major OT	Minor OT	Minor OT (CS)
Total	21288	2828	1798	14836	170

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Nilaj Kumar Bagde

- FICOG Fellowship at AICOG Kolkata – Jan 2023.
- Selected as Committee member of FOGSI medical disorders in pregnancy.
- Selected As contributor for writing FOGSI GCPR on Epilepsy in Pregnancy.
- Selected As founder Joint Secretary Chhattisgarh ISOPARB (Indian Society of Perinatology and Reproductive Biology).
- Organized a "Respectful abortion care webinar".
- Delivered a speech about Sickle cell disease in special population – Pregnancy: ANC/ Labour / Post natal & Breast feeding.
- As a Panelist attended FOGSI Vice President's conference at Goa.

8. As a Panelist attended the 65th AICOG All India congress of obstetrics & Gynecology at Biswa Bangla melapranan , Kolkata, India
9. Organised a two days Endoscopic live surgical workshop .
10. Organised a two days live surgical.
11. Organised Anemia Detection & Awareness Camp Programme* at Obstetrics & Gynaecology Department, AIIMS, Raipur in collaboration with MDIP Committee, FOGSI on 02.02.2023 in the B+C Connecting Waiting area near the Obs&GynDept to spread awareness about anemia among the common masses.
12. As a speaker at FOGSI South ZONAL conference with YUVA-2023 delivered a talk on the topic of Optimizing Energy in Laparoscopy.
13. Organized Endometriosis Awareness program on the occasion of Endometriosis awareness month at Samudayikswasthya Kendra Raipur.
14. Organised Endometriosis Awareness program in the Dept of OBGY AIIMS Raipur.

Department of Ophthalmology

Professor and Head of the Department

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 Department of Ophthalmology functions with an aim to provide affordable compassionate care to all without compromising the quality. Speciality services of Cornea, Lens, Glaucoma, Orbit and Oculoplasty, Paediatric ophthalmology and Strabismus, Medical and Surgical Retina are also available.

The outpatient department works on six days of the week and emergency services are available round the clock. The speciality clinic for Glaucoma and Retina runs on every Tuesday and Wednesday afternoon (2.30 pm-4.30 pm) respectively. Currently, the OPD consists of three refraction units that aid in the initial comprehensive eye examination. OPD is also equipped with high-end advanced equipments such as slit lamp biomicroscope, specular microscope, fundus camera, Humphrey visual field, Spectral Domain Optical Coherence Tomography, Ultrasound A scan and B scan, IOL Master 500, Nd YAG laser. Every Wednesday screening for Retinopathy of Prematurity (ROP) is done at the neonatal ICU.

The Laser room in OPD houses various types of lasers such as Nd YAG for iridotomies, capsulotomies and Green Laser (double frequency YAG laser) for retinal photocoagulation for retinal vascular disorders including diabetic retinopathy.

The modular Ophthalmology Operation theatre has 2 O.T. tables with two high-end operating microscopes that help surgeons to perform surgeries with precision and ease. Among the surgeries performed, intraocular surgeries include phacoemulsification, small incision cataract surgery, trabeculectomy, paediatric cataract surgeries, keratoplasty and vitreoretinal surgeries including intravitreal injections. The extraocular surgeries include strabismus, oculoplastic surgeries, enucleation, evisceration and orbital surgeries such as exenteration.

An important milestone that the Department of Ophthalmology achieved this year was a fully functional Eye bank well equipped with instruments like specular microscope, laminar air flow, cold cabinet and slit lamp biomicroscope.

The Eye Bank started functioning with a dedicated team of ophthalmologists, Eye Bank technician and Ophthalmic assistant in the month of July 2022 and the first corneal transplant was performed on 27th July 2022. Now corneas are being regularly collected and visual rehabilitation through corneal transplantation is being regularly done.

To further motivate the general public an outreach program on Eye Donation was conducted at Marine Drive Raipur on 04.09.2022.

Another important event was the commencement of Vitreoretinal surgeries. With the procurement of equipments on 12.1.2023, the first Vitreoretinal surgery (Pars Plana vitrectomy and endolaser) was done on 20.01.2023.

CONFERENCES AND CME ATTENDED

1. All India Ophthalmological Society Conference held from 2nd to 5th June 2022 at Mumbai was attended by consultants and junior residents.
2. This year the 21st Annual Conference of Chhattisgarh State Ophthalmological Society held from 17-12-2022 to 18-12-2022 at Raipur saw an active participation of faculty members, junior residents and senior residents of the department. While the faculties chaired

several sessions, the postgraduates and senior residents had various oral presentations.

EDUCATION

The Department has 8 MD Ophthalmology postgraduate intake every year. There is routine PG teaching Program including Departmental Case Presentation, Journal Club and Seminars for better academic atmosphere among PG Junior Residents and Senior Residents. The Department is involved in Clinical Teaching for 4th, 6th & 7th Semester MBBS students in the form of Clinics, Tutorials & Lectures as per schedule.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. Dr. Somen Misra

S. No.	Title	CME	Date	Organized by
1.	CME cum Sensitization Program on Eye Donation	CME	06.09.2022	Department of Ophthalmology, AIIMS Raipur (As an Organizing Chairperson)
2.	Future of Teaching in Ophthalmology	CME	02.04.2022	Forum of Ophthalmology Professors Meet, Raigarh

Dr. Neeta Misra

S. No.	Title	CME/Conference	Date	Organised by
1.	Communication Skills	MBBS 1 st Professional Orientation Program	21.11.2022	Academic Section, AIIMS Raipur
2.	Hand Hygiene	HICC Training Activity	24.08.2022 25.08.2022	HICC, AIIMS Raipur

Dr. Ankur K Shrivastava

S. No.	Title	CME/Conference	Date	Organised By
1.	Dermis Fat Graft – A Viable Option in Treatment of Anophthalmic Socket	3 rd Mid-term Conference of Chhattisgarh State Ophthalmological Society	07.08.2022	Chhattisgarh State Ophthalmological Society
2.	Intraoperative Emergencies in Cataract Surgery	12 th Annual Conference of ACOIN, Pahalgam, J&K	10.09.2022	Association of Community Ophthalmologists of India
3.	Eyelid Reconstruction – Tips & Tricks	12 th Annual Conference of ACOIN, Pahalgam, J&K	10.09.2022	Association of Community Ophthalmologists of India

Dr. Vijaya Sahu

S. No.	Title	CME	Date	Organized by
1.	CME cum Sensitization Program on Eye Donation	CME	06.09.2022	Department of Ophthalmology, AIIMS Raipur (As an Organizing Secretary)
2.	State-Level Workshop on Strengthening of Organ Donation and Transplantation Process	Workshop	25.01.2023	Nursing Officer Association of AIIMS Raipur (As a Resource person)
3.	First Aid and Emergency Care in Eye Injury in the Training Program for ITBP and CRPF Doctors and Paramedical Staff	Workshop	August 2022	Trauma and Emergency Department, AIIMS Raipur
4.	Hospital Corneal Retrieval Program	CME	06.09.2022	Department of Ophthalmology, AIIMS Raipur
5.	Eye Donation- Need of the Hour	State Level Workshop	25.01.2023	Nursing Officers Association, AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Dr. Vijaya Sahu	Optical Coherence Tomography (OCT) Biomarkers as a Predictor of Positive Treatment Response during Eplerenone Therapy in Chronic Central Serous Chorioretinopathy: A Retrospective Study	21st Annual Conference of Chhattisgarh state Ophthalmological Society	16-12-2022 to 18-12-2022	Chhattisgarh State Ophthalmological Society
2.	Dr. Diksha Sethi, Prof. Dr. Somen Misra, Dr. Vijaya Sahu	Rhinosporidiosis Masquerading as Orbital Cellulitis	21st Annual Conference of Chhattisgarh state Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
3.	Dr Aseem Kumar, Prof. Dr. Somen Misra	A Rare Case of Solitary Fibrous Tumour of the Orbit	21st Annual Conference of Chhattisgarh state Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society

4.	Dr. Snigdha Saxena, Prof. Dr. Somen Misra	Frozen Globes or Frozen Nerves? A Diagnostic Dilemma	21st Annual conference of Chhattisgarh state Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
5.	Dr. Diksha Sethi, Dr. Lubna Khan	A Cross Sectional Study of Prevalence of Dry Eye among Type I and Type II Diabetic Patients.	Annual conference of Women Ophthalmologists Worldwide and Women Ophthalmologists Society of India	05.11.2022 to 06.11.2022	Women Ophthalmologists Society (WOS)
6.	Dr. Diksha Sethi, Dr. Ankur K Shrivastava	Thyroid Associated Orbitopathy: A Grave Disease	21st Annual Conference of Chhattisgarh state Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
7.	Dr. Aseem Kumar, Dr. Vijaya Sahu	Spectrum of Presentation of Ocular TB and its Management, a Retrospective Analysis	21st Annual Conference of Chhattisgarh State Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
8.	Dr. Shalvika Gupta, Dr. Vijaya Sahu	Effect of duration of Diabetes Mellitus on Retinal Thickness in Type 1 and Type 2 Diabetes Patient	21st Annual Conference of Chhattisgarh State Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
9.	Dr. Kiu Mondal, Dr. Vijaya Sahu	RVO: OCT Biomarkers in Retinal Vein Occlusion Patients	21st Annual Conference of Chhattisgarh State Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
10.	Dr. Swathi Lavoori, Dr. Vijaya Sahu	Nd:Yag Laser Capsulotomy for Pre Macular Sub Hyaloid Hemorrhage	21 st Annual Conference of Chhattisgarh State Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
11.	Dr. Bhanupriya, Dr. Vijaya Sahu	ROP: A Prospective Observational Study of Association of Early Weight Gain with its Severity	21 st Annual Conference of Chhattisgarh State Ophthalmological society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society
12.	Dr. Barkha Singh, Dr. Vijaya Sahu	Ocular Ischemic Syndrome as a Presentation of Moya Moya Disease	21st Annual Conference of Chhattisgarh State Ophthalmological Society	16.12.2022 to 18.12.2022	Chhattisgarh State Ophthalmological Society

RESEARCH

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Ocular Manifestations of HIV/AIDS and Correlation with CD4+ Cell Count among Adult HIV/AIDS Patients
2.	Evaluation of Retinal Nerve Fibre Layer and Ganglion Cell Complex in Type 1 and Type 2 Diabetes Mellitus Patients- A Comparative Observational Study
3.	Evaluating the Effect of Topical Prostaglandin Analogues on Central Corneal Thickness in Patients with Primary Open Angle Glaucoma- A Prospective Comparative Study
4.	Effect of Various Ocular Parameters on Intraocular Pressure
5.	Neutrophil: Lymphocyte Ratio and Platelet: Lymphocyte Ratio in Retinal Vein Occlusion-A Comparative Observational Study
6.	Clinical Profiles of Patients Presenting with Proptosis in Ophthalmology Department at a Tertiary Healthcare Centre
7.	Regression Patterns of Neovascularization in Proliferative Diabetic Retinopathy following Pan Retinal Photocoagulation-A Prospective Observational Study
8.	Comparison of Cycloplegic and Non-Cycloplegic Refraction in School Aged Children- A Cross Sectional Observational Study
9.	Comparison of Central Macular Thickness following Cataract Surgery in Non-Diabetic versus Diabetic Patients without Diabetic Retinopathy in a Tertiary Care Centre
10.	Evaluation of Anterior Chamber Depth by Van Herrick Method and its comparison with Gonioscopy and Anterior Segment Optical Coherence Tomography in Adult Population -A Cross Sectional Study
11.	OCT as a Pre-Operative Screening Tool in Routine Cataract Surgery: How useful is it?
12.	Diagnosis of Ocular Abnormalities using Point of Care Ultrasonography (POCUS) in Patients of Head and Maxillofacial Injuries in the Emergency Department

Completed

S. No.	Project
1.	Correlation of Ocular Manifestations & Leprosy with the various types of Leprosy based on Ridley Jopling and WHO Classification
2.	Evaluation of changes in Ocular Parameters in Patients undergoing Haemodialysis
3.	Influence of Pupil Dilation on Ocular Parameters and its Impact on various Intraocular Lens Power Calculation Formulae
4.	A Cross Sectional Observational study of Prevalence of Dry Eye among Type I and Type II Diabetic Patients
5.	Retinopathy of Prematurity: A Prospective Observational Study of Association of Early Postnatal Weight Gain with its Severity

Funded Projects

Ongoing

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	Start year-2021	Rs 5,00,000
2.	Amniotic Membrane Transplantation for various Ocular Surface Disorders	Dr. Lubna Khan	AIIMS Raipur		Start year - March 2023	Rs 2,10,000

PUBLICATIONS

- Khan L. Tubercular granuloma arising from floor of orbit: A rare occurrence. *Nepal J Ophthalmol.* 2022;14(2):150-4.
- Khan L. Perilimbal conjunctival schwannoma: A rare case. *Indian J Ophthalmol Case Rep.* 2022;2(3):757-60.
- Nayak S, Shrivastava AK. Exotropia in a case of Ellis Van Creveld syndrome: A rare case report. *Indian J Ophthalmol Case Rep.* 2022;70(7):2748-50.
- Naveen P, Sahu V, Pathak M. A Cross-Sectional Study of Various Imaging and Biochemical Biomarkers in Patients with Diabetic Macular Edema in Different Stages of Diabetic Retinopathy. *Clin Ophthalmol.* 2022;16:3129-34. <https://doi.org/10.2147/OPTH.S377956>.
- Pathak M, Sahu V, Arora, R.D. et al. Retrobulbar Amphotericin B Injection in Curbing the Progression of COVID Associated Rhino-orbital Cerebral Mucormycosis: A Retrospective Case Series. *Indian J Otolaryngol Head Neck Surg.* 2022; 74 (Suppl 2), 3352-58. <https://doi.org/10.1007/s12070-022-03199-7>
- Sahu V, Kashyap H. Ophthalmic artery occlusion in a patient with sickle cell trait and hyperhomocysteinemia. *Indian J Ophthalmol Case Rep.* 2022;2(4):923-5.
- Sahu V, Kashyap H, Sethi D, Gupta S. Heart-shaped infiltrate in the anterior chamber in fungal keratitis. *Indian J Ophthalmol Case Rep.* 2023;3(1):232.
- Nagarkar NM, Sahu V, Arora R et al. Mortality and its determinants after an outbreak of post COVID-19 associated Rhino-Orbito-cerebral mucormycosis in Central India. *Int Ophthalmol.* 2023. <https://doi.org/10.1007/s10792-023-02634-0>
- Sahu V, Kharole S. The Comparison of Foveal Sensitivity Between Diabetic and Non-diabetic Patients by Using Standard Automated Perimetry 10-2 Protocol: A Cross-Sectional Study. *Cureus.* 2023;doi:10.7759/cureus.36981.

PATIENT CARE

Facilities available in the Department –

- Regular screening of all Ophthalmic patients
- Refraction
- Applanation and Non-Contact Tonometry
- Ultrasonography (A scan and B scan)
- Optical Biometry
- YAG Capsulotomy and Iridotomy
- Optical Coherence Tomography

- Visual field examination by Humphrey's Automated Perimetry
- Assessment of Central Corneal Thickness
- 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:

- Glaucoma
- Oculoplasty
- Cornea
- Paediatric Cataract
- Strabismus
- Ocular Trauma
- ROP Screening
- Medical Retina and Intravitreal injections
- Surgical retina
- Keratoplasty

Community services / Camps:

Activities for Glaucoma Awareness Week (12.03.2023 to 18.03.2023) (Pamphlet distribution, Poster display)

Total OPD	Total IPD	Major OT	Minor OT
50759	2324	1622	463

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

Prof. (Dr.) Somen Misra

1. Received Distinguished Professor of Ophthalmology Award during Forum of Ophthalmology Professors Meet at Raigarh, Chhattisgarh on 02.04.2022.
2. Chairperson for Best Paper session of the conference at 21st Annual Conference of Chhattisgarh State Ophthalmological Society, Raipur on 19.12.2022.
3. Chairperson for Innovations in Ophthalmology session at 21st Annual Conference of Chhattisgarh State Ophthalmological Society, Raipur on 18.12.2022.
4. Free paper evaluator for Annual conference of All India Ophthalmic Society.
5. Reviewer of Indian Journal of Middle East African Journal ,Ophthalmology Saudi Medical Journal ,of Ophthalmology and Journal of Clinical Ophthalmology and .Research
6. Examiner for MD Ophthalmology examination at AIIMS, Patna, Bhopal, Bhubaneswar and Rishikesh.
7. Examiner for DNB final practical examination at Sewa Sadan Eye Hospital Trust, Bhopal.
8. As a panellist for CME on Learn from your Mistakes, on 21.08.2022 organised by MGM Eye Institute, Raipur.

Dr. Ankur K. Shrivastava

1. Serving as Editor Journal proceedings of Chhattisgarh State Ophthalmic Society.
2. Serving as Chairman Scientific Committee of Association of Community Ophthalmologists of India, C.G chapter.
3. Organising Secretary of 21st Annual Conference of Chhattisgarh State Ophthalmic Society held at Raipur.
4. Free paper evaluator for Annual conference of All India Ophthalmic Society.
5. Judge for physical poster at Annual conference of All India Ophthalmic Society held at Mumbai.
6. Co-Chairperson in Orbit session and Moderator in Dr Anand Saxena Award Session at 21st Annual Conference of

Chhattisgarh State Ophthalmological Society.

7. Convenor in International video session on ocular surgery and received Secretary Gold

Plaque award for outstanding work in community ophthalmology at 12th Annual conference of ACOIN, Pahalgam, J&K.

Dr. Vijaya Sahu

1. Appointed as a Nodal officer, Eye bank, AIIMS Raipur in May 2022.
2. As a panellist for CME on Learn from your Mistakes, on 21st August 2022 organised by MGM Eye Institute, Raipur



HOD and other faculty members giving talks regarding eye donation at registration counter of AIIMS Raipur



First Vitreoretinal surgery being performed on 20.01.2023

Department of Orthopedics

Professor and Head of the Department

Prof. (Dr.) Alok C. Agrawal

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 Orthopedics provide quality health care, medical education, research activities at graduate, post-graduate (M.S Orthopaedics), and post-doctoral (MCh. Joint Replacement & Reconstruction) program, started from July 2020 Session now has four 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 paediatric orthopedics. A specialty clinic on pediatric deformity specially clubfoot is organized every

Tuesday. The department has organized numerous academic activities such as CGIOCON 2022.

EDUCATION

Lecture for MBBS Students – 3rd, 4th, 5th year.
 Bedside clinics for MBBS Medical Students.
 Postgraduate (M.S Orthopaedics) classes in the form of Case presentations, Journal Reviews and seminars.
 Post-doctoral level (MCh. Joint Replacement & Reconstruction) classes in the form of Case presentations, Journal Reviews and seminars.
 Logbook for M.S Orthopedic postgraduate students and MCh academic senior residents. Currently the department has 4 post-doctoral residents and 14 post-graduate students.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	CME/Conference	Date	Organized By
1.	CGIOACON	16- 17.04.2022	AIIMS Raipur
2.	Stem Cell Society India – IORA (Indian Orthopaedic Rheumatology Association) Workshop on Cultured Osteoblast as a Treatment of Osteonecrosis of Femoral Head	16- 18.06.2022	AIIMS Raipur
3.	AO Trauma – Basic Principles of Fracture Management	16- 18.09.2022	
4.	First Aid and Trauma Management Induction Classes for the Nurses		AIIMS Raipur
5.	Bone & Joint Day Celebration – Imparting BLS training to all Residents, Nursing and Paramedical Staffs of the Orthopaedics Department	19.10.22	AIIMS Raipur

6.	World Spine Day – Awareness Cycle rally in the morning followed by CME in Back Pain in the Evening	16.10.22	AIIMS Raipur
7.	World Arthritis Day – CME in Collaboration with Department of Medicine on Managing Arthritis using a Team Approach	12.10.22	AIIMS Raipur
8.	Workshop on use of Cultured Osteoblast and Cartilage as a Part of ORIANA Fest		AIIMS Raipur
9.	Refresher Training on Ponseti Method of Clubfoot Management	12.11.2022	CIIT
10.	First Aid and Trauma Management induction Classes for the Interns		AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Alok C. Agrawal

S. No.	Title	CME/Conference	Date	Organized By
1.	Solving the Mystery of 'The Unsolved Fracture': An Indian Experience	CGIOACON 2022 Dr Vinayak Mahurkar Oration	16.04.22	AIIMS Raipur & Chhattisgarh Orthopaedic Association
2.	Orthobiologics in orthopaedics	Indian Orthopaedic rheumatology Association with Indian Stem Cell Group Association	21.07.22	Indian Orthopaedic rheumatology Association
3.	Applications in Orthopaedics	IOA-ISCSG Orthobiologics Academic session	07.01.23	IOA-ISCSG

Dr. Bikram Keshari Kar

S. No.	Title	CME/Conference	Date	Organized By
1.	Osteoporotic fracture Vertebroplasty- Tips and Tricks, when why how	CGIOACON 2022	16.04.22	AIIMS Raipur & Chhattisgarh Orthopaedic Association
2.	Back pain	World Spine Day	16.10.22.	AIIMS Raipur

Dr. Harshal S. Sakale

S. No.	Title	CME/Conference	Date	Organized By
1.	Non-Surgical Management of Meniscus Tears	Indian Arthroscopy Society CME – Spreading the scope of Arthroscopy	19.06.2022	Indian Arthroscopy Society
2.	Distal Tibia Fracture when to fix fibula	Mid Term Symposium of Central Zone of IOA	02.07.2022	Shree Narayana Hospital Raipur
3.	Scaphoid Fractures	CGIOACON 2022 –National Orthopaedic Trauma Symposium- AIIMS Raipur	16.04.2022	AIIMS Raipur & Chhattisgarh Orthopaedic Association
4.	Preventing failures in Proximal Humerus Fractures	CGOACON 2023	21.01.2023	Chhattisgarh Orthopaedic Association

5.	Presentations of Rheumatoid Arthritis	CME on World Arthritis day- Arthritis is treatable-	12.10.2022	AIIMS Raipur
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RESEARCH

Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

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 Functional outcome of Total Hip Arthroplasty via Anterolateral approach versus Posterior approach: A Randomized Controlled Trial
3.	Comparison of Functional and Radiological Outcomes of Primary total Knee Arthroplasty via Mini Subvastus Approach versus Medial Parapatellar Approach: A Randomized Control Trial
4.	Comparison of Inflammatory Markers Level in Pre-operative and Post Operative cases of Diaphyseal Femur Fractures in Tertiary Care Centre
5.	Comparison of functional outcome of all Inside versus transportal technique of arthroscopic anterior cruciate ligament reconstruction - Randomised controlled trial
6.	Analysis of functional outcome following Internal Fixation of Intra Articular Distal Femur Fractures in a Tertiary Care Centre
7.	Estimation of Serum Osteopontin in Primary Osteogenic Sarcoma
8.	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
9.	Comparative Analysis of Functional and Radiological outcomes in Tibial Diaphyseal Fracture Treated by Intramedullary Interlock Nailing via Supra Patellar vs infra Patellar Approach: A Randomised Control Trial
10.	Evaluation of Functional and Radiological outcome of Osteoarthritis Knee Treated by High Tibial Osteotomy by Tomofix Plate vs Dr Saigal'sHTO Plate

Completed

S. No.	Project
1.	A Comparison of Functional and Radiological Outcome of Intra Articular Fracture Distal End Radius Treated by Variable Angle Locking Compression Plate versus Fixed Angle Locking Compression Plate – A Randomized Prospective Study
2.	A Comparative Study between Botulinum Toxin type A versus Tendoachilles Tenotomy in the Management of Idiopathic Clubfoot by Ponseti Method
3.	Evaluation of the Correlation between Serum Magnesium Levels and the Severity of Knee Osteoarthritis
4.	Correlation of Dual Energy X-Ray Absorptiometry with Markers of Bone metabolism in Femur Fractures
5.	Clinico-Demographic Study of Traumatic Spinal Injury Patients Presenting in a Tertiary Care Centre

PUBLICATIONS

1. Agrawal AC, Mohapatra E, Nanda R, Bodhey NK, Sakale H, Garg AK. Plasma Interleukin-33 Cannot Predict Hip Osteonecrosis in Patients With Sickle Cell Disease: A Case-Control Study. Cureus. 2022 Mar 28;14(3):e23556. doi: 10.7759/cureus.23556. PMID: 35371856; PMCID: PMC8971072.

2. Agrawal AC, Garg AK, Garg DK, Ranjan R. Bilateral bunionette in rheumatoid arthritis. *J OrthopTraumatolRehabil*2022;14:90•3.
3. Agrawal AC, Iyer RD, Sakale HS, Garg AK. Unilateral upper extremity ischemia in a neonate – A rare complication of prematurity. *J OrthopTraumatolRehabil*2022;14:105•7.
4. Sakale HS, Agrawal AC, Balakrishna M, Kar BK, Moti B R. Evaluation of functional outcome following transportal arthroscopic anterior cruciate ligament reconstruction using quadrupled hamstring graft. *J OrthopTraumatolRehabil*2022;14:154-9
5. Agrawal AC, Behera AK, Mohapatra E, Sakale HS, Shah S, Kar BK, Ojha MM, Nayak B, Garg AK. Correlation of Vitamin D levels with markers of bone metabolism in COVID-19 patients. *J OrthopTraumatolRehabil*2022;14:149-53
6. Nazm N, Keshkar L, Agrawal M, Akhtar MN, Keshkar S, Agrawal AC. Intraocular complications after caudal epidural steroid injection for discogenic lumbar pain with radiculopathy. *J OrthopTraumatolRehabil*2022;14:160-2
7. Agrawal AC, Garg AK, Ingle A, Shah S. Whatsapp messenger is a feasible tool to complement the training of medical educators in India., international journal of scientific research : Volume-11 | Issue-4 | April-2022
8. 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 (nontraumatic). *Natl J ClinAnat* 2023;12:15-9
9. Gandhi S, Dalei TR, **Nema SK**, Rathod A, Jagadevan M. Improving the Accuracy of Corrective Osteotomy for Congenital Radio Ulnar Synostosis using the Axis of Rotation of the Forearm as a Guide. *Malays Orthop J* 2023; 17(1): 40-4. doi:10.5704/MOJ.2303.006
10. **Nema, S. K.**, Ramasubramani, P., Austine, J., Karunakaran, G., Reddy, V. N., & Reddy, V. M. (2022). MRI Features and Treatment for Idiopathic Chondrolysis of the Hip (ICH) in Children: Outcomes of a Systematic Review. *Indian Journal of Orthopaedics*. <https://doi.org/10.1007/s43465-022-00684-7>
11. Kumar R, **Chouhan D**, Narang A, Kalra M, Choudhary R, Kumar A. Comparative Analysis of Arthroscopic Tight Rope ACL Reconstruction Using four Strand Isolated Semitendinosus Graft and Quadrupled Combined Hamstring Graft. *Arch Bone Jt Surg*. 2022 May;10(5):426-431. doi: 10.22038/ABJS.2021.49619.2463. PMID: 35755794; PMCID: PMC9194715.
12. Shekhar S, Rai A, Prakash S, Khare T, Malhotra R. Single-stage long-stem total knee arthroplasty in severe arthritis with stress fracture: a systematic review. *Knee Surg Relat Res*. 2023 Jan 19;35(1):4. doi: 10.1186/s43019-023-00178-2. PMID: 36658622; PMCID: PMC9850688
13. Singh S, Iyer RD, Rai A, Gi S, Sharma D, Surana R. Biological Stabilisation vs Mechanical Fixation: Do We Always Require Instrumentation in Anterior Decompression Surgeries for Thoracolumbar Spinal Tuberculosis? *Indian J Orthop*. 2023 Jan 30;57(3):472-480. doi: 10.1007/s43465-023-00827-4. PMID: 36825265; PMCID: PMC9941384.
14. Diwan, Sandeep; Madegowda, Arkesh1,; Gaikwad, Avinash; Dongre, Himanshu. Severe cerebral palsy: A compendium of anaesthesia challenges and impact of inter-fascial plane blocks for orthopaedic hip surgeries. *Indian Journal of Anaesthesia* 67(Suppl 1):p S64-S67, February 2023. | DOI: 10.4103/ija.ija_345_22

PATIENT CARE

OPD	IPD	Major OT	Minor OT
46728	1522	1231	4

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Prof. (Dr.) Alok C. Agrawal

1. President – Chhattisgarh Orthopaedic Association
2. President – Indian Stem cell Study Group
3. CGIOACON 2022 - Dr Vinayak Mahurkar Oration
4. Organizing Chairman of Annual Conference of Chhattisgarh Orthopaedic Society CGIOACON 2022 16\04\2022-17\04\2022 at AIIMS Raipur
5. Organizing Chairman of CME Organized on World Arthritis day with Theme Arthritis is Treatable on 12\10\2022 at AIIMS Raipur
6. Organizing Chairman of 4th Refresher Training on Ponseti Method of Club Foot Management with Cure International India on 12\11\2022 at AIIMS Raipur
7. Organizing Chairman of National CME on Role of Nanotechnology in Health Care on 28\03\2023 at AIIMS Raipur

Dr Bikram Keshari Kar

1. Organizing Secretary for Cycle Rally & CME on Back Pain on World Spine Day 16/10/22.
2. Selected for International fellowship in Ireland for Indian Orthopaedic Association (IOA).

Dr Harshal S. Sakale

1. Awarded with Dr Gopalakrishnan Indian Arthroscopy fellowship at Indian Arthroscopy Society 19 TH annual conference IASCON 2022 [15\09\2022 to 17\09\2022] at Coimbatore
2. Completed Dr Gopalakrishnan Indian Arthroscopy society Fellowship from Ortho One Hospital Coimbatore 16\05\2022 to 28\05\2022
3. Awarded with Fellowship of International Medical Sciences Academy [FIMSA] by International Medical Sciences Academy
4. Reviewer of Journal of Orthopaedics Traumatology and Rehabilitation
5. Organizing Secretary of Annual Conference of Chhattisgarh Orthopaedic Society CGIOACON 2022 16\04\2022-17\04\2022 at AIIMS Raipur
6. Organizing Secretary of CME Organized on World Arthritis day with Theme Arthritis is Treatable on 12\10\2022 at AIIMS Raipur
7. Organizing Secretary of 4th Refresher Training on Ponseti Method of Club Foot Management with Cure International India on 12\11\2022 at AIIMS Raipur
8. Organizing Joint Secretary of National CME on Role of Nanotechnology in Health Care on 28\03\2023 at AIIMS Raipur

Others

1. Dr Ankit Kumar Garg won DR HR JHUNJHUNWALA award for best paper presentation in CGIOACON-22
2. Dr Ankit Kumar Garg won President appreciation award in CGIOACON-22
3. Dr S Lohitesh and Dr Rudra Narayan Dash selected for prestigious Chhattisgarh-Orissa Exchange Fellowship 2023 for OOACON-2023.
4. AO Recon Course – Principles of Hip & Knee arthroplasty July 22, Kolkata - Dr Ankit Kumar Garg
5. AO trauma Basic Course 16th -17th September 2022 – Dr Ankit Kumar Garg, Dr Manish Raj, Dr Dikshant Saini And Dr Vidit Agrawal
6. ASAMI India Basic Ilizarov Course 17th-18th December 2022- Rudra Narayan Dash, Manish Raj, Somok Banerjee
7. 9th International and 27th B. Mukhopadhaya Post graduate instructional Course 23rd -26th February 2023- Somok Banerjee, Manish Raj, Dikshantsaini, Bhaskher Rai, Vidit Agrawal, Rajkiran Moti

Department of Pediatrics

Professor & Head of the Department

Prof.(Dr.) Anil K. Goel

Additional Professors

Dr. Tushar Jagzape

Dr. Atul Jindal

Associate Professors

Dr. Manas Ranjan Sahoo

Dr. Sunil Jondhale

Dr. Tripty Singh

Assistant Professor

Dr. Simran Syal

HIGHLIGHTS

The 1st National Conference of Pediatric Emergency Medicine chapter of IAP – NPEM 2022 was organized by the department from 4th to 6th November, 2022. It was a hybrid conference with faculties joining online from the USA. The conference was a huge success with approximately 150 delegates & 65 faculties getting benefitted from the conference. This year for the 1st time our team of PGs reached the national level in the IAP- PG quiz conducted at Gujarat. Approval of NIDAN Kendra as a milestone for the department and Institute for Management of Inherited Disorders (UMMID) initiative to address the burden of genetic disorders in the community. PICU patients follow-up started in Pediatrics OPD every Wednesday at 2-4pm.

The department is actively involved in many research projects, both extra and intramural. The Facility based management of Severe Acute Malnutrition (SAM) training was organized from 2nd - 10th March 2022 by Department of Health and Family Welfare with support of SCoE –SAM, Department of Pediatrics, National Centre of Excellence and UNICEF. Under CMAM Program training of frontline workers & Integrated Child Development Skills (ICDS) workers was conducted in different batches.

Inauguration of CMAM program conducted on 06/09/2022 with the collaboration of NHM and UNICEF. Faculties were invited to Akashvani Kendra, Raipur to discuss various issues on prevention of SAM, breastfeeding and complimentary feeding. Training of master trainers, CDPO, supervisors CMAM refresher training were conducted in various districts. UNICEF team was invited for inspection and it appreciated the work. F-SAM training for MOs, SNs, FDs supported by SIHFW was also conducted.

EDUCATION

The department is successfully running the DM courses in Pediatric Emergency Medicine, Pediatrics Critical Care, & PDCC (fellowship) in Pediatric cardiac critical care and Neonatology. The department has conducted the PG induction program on 05.04.2023 covering various important topics of practical utility including research and ethics. The department has successfully conducted internship induction program and delivered lectures on 'Recognition of a sick child in the emergency', 'Antibiotic stewardship' & 'Covid management guidelines'. 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	Organised By
1.	Childhood Constipation	CME	12.04.2022	Department of Pediatrics and Pediatric surgery AIIMS Raipur
2.	Zonal PG quiz	IAP PG Quiz	17.09.2022	Department of Pediatrics, IAP CG and RAP
3.	NPEM 2022	1st National conference of Pediatric	04- 06.11.2022	Department of Pediatrics,

		Emergency Medicine chapter of IAP		IAP- PEM chapter
4.	POCUS workshop	NAPEM – 2022	04.11.2022	IAP PEM Chapter & AIIMS Raipur
5.	Triage and PEARL workshop	NAPEM -2022	04.11.2022	IAP PEM Chapter & AIIMS Raipur
6.	PTLS workshop	NAPEM -2022	04.11.2022	IAP PEM Chapter & AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anil K. Goel

S. No.	Title	CME/Conference	Date	Organized By
1.	Childhood constipation: Parents concerns and address	CME on childhood constipation	12.04.2022	AIIMS Raipur
2.	TOT of Simulation	MEU AIIMS R	23 – 24.04.2022	AIIMS Raipur
3.	Management of F. SAM	CMAM training for CDPOs of CG	25.04.2022	UNICEF, WCD
4.	Status of Ped emergency in India and way forward	Faculty invite During MD Exam	28.04.2022	AIIMS Bhubaneswar
5.	Awareness among parents regarding the prevention of different crisis in Sickle Cell Disease in Children	Sickle cell day 2022	18.06.2022	Sickle Cell Committee, AIIMS Raipur
6.	ORS preparation and demonstration at home	ORS week	29.07.2022	Department of Pediatrics
7.	Importance of breast feeding	Breast feeding week		Department of Pediatrics
8.	AIAP Recognition of Sick child	AIAP platform of IAP	18.08.2022	IAP
9.	FDP Simulation	Faculty DP Simulation	05– 06.09.2022	AIIMS Jodhpur
10.	FB Ingestion	AIAP platform of IAP	05.10.2022	AIAP platform of IAP
11.	Pediatric BLS	BMV and CPR workshop	07.10.2022	Anesthesia AIIMS Raipur
12.	ED Approach to CHD	Goa EM INDIA	12.10.2022	EMINDIA-2022
13.	PEARL- Emergency practice	NAPEM	04.11.2022	NAPEM IAP PEM Chapter, AIIMS, Raipur
14.	Scope of Pediatric emergency in India	NAPEM	05.11.2022	NAPEM 2022 AIIMS Raipur
15.	Emergency room: Logistics & Infrastructure	Odisha PEDICON	11.11.2022	Odisha PEDICON
16.	Allergic emergencies (Anaphylaxis)	Odisha PEDICON	11.11.2022	Odisha PEDICON
17.	Fluid Therapy in Pediatric Septic Shock – What's New?	Odisha PEDICON	11.11.2022	Odisha PEDICON
18.	Hands on demonstration (Airway, Oxygen delivery devices, HFNC)	Odisha PEDICON	11.11.2022	Odisha PEDICON
19.	Jaundice in Pediatrics	IAP PECART Module	10.12.2022	CIMS, Bilaspur
20.	Mega code Blue	EMPART 2023	03.02.2023	UCMS, Delhi
21.	Defibrillation	EMPART 2023	03.02.2023	UCMS, Delhi
22.	Tropical Infections	EPICON 2023	04.02.2023	UCMS Delhi

Dr. Tushar Jagzape

S. No.	Title	CME/Conference	Date	Organised By
1.	Vaccination in patients of sickle hemoglobinopathy	CME on Sickle cell Disease	07.09.2022	RSDS Government Medical College, Ambikapur
2.	Education and Research in PEM	National conference of Pediatric Emergency Medicine- NAPEM-2022	05.11.2022	NAPEM 2022 AIIMS, Raipur
3.	Assessment of professionalism and ethics	National conference on Pediatric Education- NCPE-2022	05.11.2022	St. John's Medical College, Bangalore

Dr. Atul Jindal

S. No.	Title	CME/Conference	Date	Organised By
1.	Superrefractory Status Epilepticus	PEDICRITICON 2021	29.04.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
2.	MISC- Cracking the Code	PEDICRITICON 2021	01.05.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
3.	Assessment of a Sick Child	IAP-ALS	18- 19.06.2022	SSIMS, Bhilai
4.	Status Epilepticus	PICU Febinars	20.07.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
5.	Management of Complicated Malaria	State Level Training of Tropical Diseases	25.07.2022	National Vector Borne Diseases Control Program
6.	Management of Dengue	State Level Training of Tropical Diseases	25.07.2022	National Vector Borne Diseases Control Program
7.	Septic Shock	5 th Pediatric Critical Care Symposium	19- 20.08.2022	PGIMER , Chandigarh
8.	Simulation in Respiratory Emergencies	7 th National Conference of Pedistars on Medical Simulation	02.09.2022 – 06.09.2022	AIIMS, Jodhpur, Rajasthan
9.	Management of Pediatric Sickle Cell Disease	Sickle Cell Training	16.09.2022 – 19.09.2022 & 19.09.2022-20.09.2022	PTJNM Medical College, Raipur, C.G.
10.	Management of Pediatric Sickle Cell Disease	Sickle Cell Training	26.09.2022	PTJNM Medical College, Raipur, C.G.
11.	Isolation Precautions	HICC Training	19.10.2022	AIIMS, Raipur
12.	Management of Complicated Malaria	State Level Training of Tropical Diseases	26.11.2022	National Vector Borne Diseases Control Program
13.	Management of Dengue	State Level Training of Tropical Diseases	26.11.2022	National Vector Borne Diseases Control Program
14.	Assessment of Sick Child	Basic Pediatric Intensive Care Course, PEDICRITICON, 2022	14.12.2022 – 15.12.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
15.	Shock	Basic Pediatric Intensive Care Course,	14.12.2022 – 15.12.2022	Pediatric Critical Care Chapter of Indian Academy

		PEDICRITICON, 2022		of Pediatrics
16.	Hemodynamic Monitoring	Basic Pediatric Intensive Care Course, PEDICRITICON, 2022	14.12.2022 – 15.12.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
17.	CPAP/ HFNC	Basic Pediatric Intensive Care Course, PEDICRITICON, 2022	14.12.2022 – 15.12.2022	Pediatric Critical Care Chapter of Indian Academy of Pediatrics
18.	Assessment of Sick Child	IAP- MAP ALS	15.01.2023	Ramkrishna Care Hospital, Raipur
19.	Advanced Modes of Ventilation	30 th IPA Congress and 60 th Pedicon 2023	19.02.2023	Indian Academy of Pediatrics
20.	Critical Care Management of Sickle Cell Disease	Symposium on Sickle Cell Disease	11.03.2023	Late Baliram Kashyap Medical College, Raigarh

Dr. Manas R. Sahoo

S. No.	Title	CME/Conference	Date	Organised By
1.	Pulse Oxymetry and Capnometry	24 th National Conference of Pediatric Intensive Care Chapter of India (PediCritiCon 2022)	14.12.2022	Pediatric Intensive Care Chapter of India
2.	Superbugs in PICU: What to do?	YuvaPediCRITICON	21.01.2023	PICC Nagpur
3.	Basic Modes of Positive Pressure Ventilation	Ventilation Workshop	25.03.2023	UNICEF

ORAL PAPERS /POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Reddy M. S P, Goel A K (Oral)	Intravenous Ketorolac versus Intravenous Morphine for the Management of Severe Vaso-Occlusive Pain Crisis in Children with Sickle Cell Disease. A Randomized Controlled Trial	IAP-PEM National Academy on Pediatrics Emergency Medicine-NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
2.	Basila T V, Jondhale S N, Goel A K (Oral)	Emergency Presentation Of Children With Sickle Cell Disease: A Cross Sectional Study	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
3.	Yusuf S, Venkatesan D K, Goel A K (Oral)	Pattern And Outcome of Acute Poisoning In Children: A Retrospective Study From Central India	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
4.	Venkatesan D K, Yusuf S, K S, Goel A K, Jagzape T B, Rathia S K Anand V (Oral)	Pattern and outcome of Traumatic Brain Injury in Patients admitted with Head Trauma in a Tertiary Care Hospital: A Retrospective Analysis	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur

5.	MD N, Murugan TP, Yusuf S, Goel AK	All that Wheeze is not Asthma – Case report of Acute Presentation	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
6.	Gudipudi SV M, Venkatesan D, Goel A K	Juvenile Myasthenia Gravis: Rare Presentation Of A Rare Disease With Poor Response To Common Treatment	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
7.	Kapil I, Jondhale S N, Goel A K	Pediatric Hyperleucocytosis: A Case Series	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
8.	Murugan TP, Yusuf S, Goel A K	Non-Hodgkin's Lymphoma as an Intracardiac Mass Presentation to Emergency	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
9.	Harinisri. M. R, Venkatesan D K, Murugan. T. P, Goel A K	Twist In The Hair	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
10.	Venkatesan D K, Borkar N, Kalla R, Kumar A Goel A K (Oral)	Clinical Profile of Airway Foreign Body In Tertiary Care Centre In Central India- A Retrospective Analysis.	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
11.	Mohanty N, V D K, Goel A K	Acute Meningoencephalitis-Is It Infectious Always?	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
12.	Sudeepthi S. V; Kambagiri P; Saurabh G.; Jindal A, Goel A K	Infective Endocarditis Due To Crbsi- A Preventable Complication	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
13.	Basila T V, Keshri S, Goel A K	Reversible Encephalopathy In A Child: An Environmental Hazard Uncovered In Emergency	NAPEM 2022	06.11.2022 (1st prize in poster cat)	Department of Pediatrics, AIIMS, Raipur
14.	Aggarwal J, Rathore V, Saha A K, Goel A K, Bala S	A Young Cardiac Arrest Survivor With Severe Hemophilia A And End Stage Renal Disease Managed Successfully With Continuous Ambulatory Peritoneal Dialysis	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
15.	Gudipudi SV M, Yusuf S, Venkatesan D K, Sigh S, Goel A K	Cardiac Tamponade: A Rare Initial Presentation Of Undiagnosed Hypothyroidism	NAPEM 2022	06.11.2022	Department of Pediatrics, AIIMS, Raipur
16.	Kapil I Venkatesan D K, Goel A K	Methemoglobinemia 'A Single Clue can Save Lives'	EPICON 23	05.02.2023 (1st prize in CBL cat)	INDUSEM and Academic College of Emergency Experts in India
17.	Kapil I, Venkatesan D K, Goel A K	Difficult Airway- A Nightmare in the Daylight	EPICON 23	05.02.2023 (3rd prize in CBL cat)	INDUSEM and Academic College of Emergency Experts in India

18.	Das P, Jagzape T	Risk Factors for Severe Acute Malnutrition in an Urban Set Up	CGPEDICON-Bilaspur	15 – 16.10.2022	CG IAP
19.	T. Silpa, Jagzape T	Spectrum of Hepato-Biliary involvement in Children with Sickle Cell Disease/Trait admitted in a Tertiary Care Hospital in Central India	CGPEDICON-Bilaspur	15– 16.10.2022	CG IAP
20.	Kannan A, Kambagiri P, Jindal A	Survival of a Deathstroke	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
21.	Kambagiri P, Jindal A, Sahoo M R	Chest wall Rigidity; A Test for Your Avidity	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
22.	Kambagiri P, Jindal A, Sahoo M R	Persistent Wheeze in a Child with Congenital Heart Disease, don't forget about Lungs!!	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
23.	Kambagiri P, Jindal A, Sahoo M R	Chest Wall Rigidity: A Test for Your Avidity	WFPICCS	12 – 16.07.2022	World Federation of Pediatric Intensive and Critical Care Societies
24.	Kambagiri P, Kannan A, Verma S, Jindal A, Sahoo M R	Super Refractory Status Epilepticus – A Case series of Children admitted to PICU of a Tertiary Care Institute from Central India	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
25.	Kmabagiri P, Kalla R, Kumar A, Saurabh G, Borkar N, Jindal A, Sahoo M R	Congenital Lympho-Venous Malformation with Superior Mediastinal syndrome – An Intensivist's Perspective	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
26.	Verma S, Jindal A, Sahoo M R	Persistent Pneumonia with Persistent Bilateral GGO's with Hyper IgM type 1, A Case Report	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
27.	Gudipudi S V M, Kambagiri P, Sahoo M R, Jindal A	Double Seronegative NMOSD – An Evolving Disease Spectrum	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
28.	Shilpa T., Kambagiri P, Pati S. K., Goel A K, Jindal A	TB meningitis – Yes! We have seen her Rapidly Evolve through different Stages of the Disease and better Prognosis with Timely Management is Possible!!	NAPEM	05.11.2022	Pediatric Emergency Medicine Chapter of Indian Academy of Pediatrics
29.	Sudeepthi S. V, Jindal A, Bhargava A	Clinical Profile and Predictors of Outcome in Children with COVID-19 Disease: An Observational Study	Pedicriticon	17.12.2022	Pediatric Intensive Care Chapter of IAP
30.	Kambagiri P, Jindal A, Sahoo M R	Chest Wall Rigidity : A Test for your Avidity	11 th Congress of the World Federation of Pediatric	12 – 17.07.2022	WFPICCS

			Intensive and Critical Care Societies		
31.	Pratyusha K, Jindal A, Sahoo MR	Persistent Wheeze in a Child with Congenital Heart Disease, don't forget about Lungs!!	23 rd National Conference of IAP Intensive Care Chapter	01.05.2022	IAP Intensive care chapter
32.	Kartek M, Sahoo M R, Jindal A, Goel A K	Vitamin B12 Deficiency Mimicking Inborn Error of Metabolism in an Infant: A Case Report	23 rd National Conference of IAP Intensive Care Chapter	01.05.2022	IAP Intensive care chapter
33.	Kartek M, Sahoo M R, Anand V	Intravenous Levetiracetam versus Intravenous Phenytoin for Second-Line Treatment of Pediatrics Convulsive Status Epilepticus: Open-Label Randomized Controlled Cross Over Trial	NAPEM 2022	04 – 06.11.2022	Division of Pediatric Emergency Medicine, Department of Pediatrics, AIIMS Raipur

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	95,3390
2.	Quality Improvement in Maternal and Newborn Care	Atul Jindal	UNICEF	5	2019 - 2024	50 Lakhs per year
3.	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	55 Lakhs
4.	Dexmedetomidine versus Midazolam for Sedation in Mechanically Ventilated Children in Pediatric Intensive Care Unit: A Randomized Double Blind Controlled Trial	Atul Jindal	AIIMS, Raipur	2	2022-2024	5 Lakhs

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	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	Anil K. Goel	Novartis	6 months	Apr 2022-Sept 2022	2,60,000
2.	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 Jundal	Tergene Biotech Private limited	6 months	2022	6 lacs
3.	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 Jundal	Cadila Pharmaceuticals Limited	6 Months	2022	24,64,000
4.	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 Jundal	Glaxo Smithkline	6 Months	2022	5.5 lacs
5.	A post marketing surveillance (PMS) study for VPRIV (VELAGLUCERASE ALFA) in India	Atul Jundal	Shire	1 year	2021-2022	1.5 Lacs

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

Ongoing

S. No.	Project
1.	Assessment of Sickle Cell Disease (SCD) care facility in India- A Cross sectional multi centric study
2.	Determinants of infection for initiation of antibiotics in children attending Pediatric emergency in the golden hour
3.	Tracheal ultrasound versus clinical evaluation for identifying site and depth of endotracheal tube: A Randomized control trial
4.	Determination of prognostic utility of pSOFA score along with CRP in children with Septic Shock at ED admission

5.	To study the determinants of different crisis in sickle cell disease in Pediatric population attending a tertiary care centre of central India.
6.	Determinants of acute kidney injury in children admitted with nephrotic syndrome in the department of Paediatrics in a tertiary care hospital of Central India.
7.	Conventional Versus Intra Nasal Midazolam and Intra Nasal Ketamine for Pediatric Elective Procedural Sedation and Analgesia - A Randomised Controlled Trial
8.	Clinico-epidemiological profile of Paediatric Rheumatological Diseases in a Tertiary care centre
9.	Early versus conventional initiation of RRT in children with Acute kidney Injury: A Randomized controlled trial
10.	Lung and Diaphragm protective ventilation by titrating ventilatory pressures according to diaphragmatic efforts in children – A Randomized control trial
11.	Conservative versus Conventional oxygenation target in children admitted in PICU -A Randomized Controlled Trial
12.	Comparison of Effectiveness of 7days vs 14 days course of intravenous antibiotics in the treatment of uncomplicated Neonatal Bacterial Sepsis-A Randomized controlled non-inferiority trial.
13.	To study the small and middle molecule clearance rate in children undergoing acute peritoneal dialysis – A Prospective observational study
14.	Triage outcome in children visiting Pediatric Emergency Medicine and its correlation with hospital outcome at AIIMS Raipur
15.	Spectrum of Hepato biliary manifestations in Sickle Cell trait/disease in children admitted to a tertiary care centre in central India
16.	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
17.	Profile of Chronic Kidney Disease in Pediatric patients visiting a tertiary care Hospital in Central India – an ambispective study
18.	Burden of Multidrug Resistant Sepsis in district Hospital setting in India

Completed

S. No.	Project
1.	Pattern and outcome of patients in Pediatric Emergency Medicine unit: An Indian perspective
2.	Intravenous Ketorolac versus Intravenous Morphine for the management of severe vaso-occlusive crisis in children with sickle cell disease. A double blind, Randomized Controlled Trail.
3.	Diversities in Clinical Profile Of Children With Sickle Cell Disease In A Tertiary Care Hospital of Central India.
4.	Intestinal Parasitic Infection as An Associated Risk Factor For Severe Acute Malnutrition In Rural Children In Age Group 6m-5yrs of Raipur District: A Case Control Study.
5.	Sociodemographic profile of obese children and prevalence of depression in children between 6-12 years of age
6.	Intravenous levetiracetam versus intravenous phenytoin for second line treatment of Pediatric convulsive status epilepticus - open label randomized controlled trial

Collaborative Projects

Ongoing

S. 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. Study Number: CSEG101A2403	Medicine
2.	A non-inferiority randomized trial to assess the efficacy of 10mg hydroxyurea/kg/day versus 20mg	Biochemistry

	hydroxyurea/kg/day in treatment of Sickle cell disease patients of tribal and non-tribal areas in India	
3.	T cell and cytokine profile in sickle cell disorder in predicting clinical outcome.	Biochemistry
4.	A multi-centric, prospective, community based cohort study to estimate the incidence of dengue infection in India (INDEN Study).	CFM
5.	National Registry on COVID-19 infection among pregnant and their neonates" Multi Centre ICMR Project	OBG & Gynecology

PUBLICATIONS

- Jondhale S, Sahoo S A, Bugalia A, Jain A, Goel A K. MALToma of minor salivary gland of lip in a young girl: A case report. *Pediatric Hematology Oncology Journal* 2022; 7(1): 23-5. ISSN 2468-1245, <https://doi.org/10.1016/j.phoj.2022.01.001>.
- Jondhale S, Rachel A, Naik T, Jagzape T, Goel A K. Neuro myelitis Optica without visual loss in an adolescent boy: A case report. *Chikitsak* 2022;33-37.
- Sinha R.K., Kumar P., Daniel A, Goel A. K et al. Association between anthropometric criteria and body composition among children aged 6–59 months with severe acute malnutrition: a cross-sectional assessment from India. *BMC Nutr* 2022;8: 56. <https://doi.org/10.1186/s40795-022-00551-6>
- Jondhale S, Jagzape T, Goel A K, Tiwari K, Singh T, Sahoo M R, Silvery Hair with Immunodeficiency: A Comparative clinical brief of Griscelli Syndrome Type II and Chediak Higashi Syndrome. *Pediatr Oncall J.* 2022; Apr 06. doi: 10.7199/ped.oncall.2023.43
- Jeayareka J, Raman K, Kumar L, Jagzape TB. Chemotherapeutic drugs induced symptom distress among pediatric cancer patients. *Int. J. Life Sci. Pharma Res.* 2022;12(4): P1-7.
- Tiwari L, Jayashree M, Jindal A, Khera D, Banerjee A, Bhatt GC, 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. *J Pediatr Crit Care* 2023 Mar;10:63-71.
- Sudeepthi SV, Kannan A, Jindal A, Bhargava A. Coronavirus-19 and its epidemiology in children – an ambispective observational study from central India. *Indian J Pediatr.* 2023 Mar 22;1-3. doi: 10.1007/s12098-023-04552-6. Online ahead of print. PMID: 36944906
- 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 Mar 13; 108(4):727-733. doi: 10.4269/ajtmh.22-0705. Online ahead of print. PMID: 36913920
- Gajjala C, Jindal A. COVID-19 and T Cells: Do T Cells Really Matter?. *Indian J Crit Care Med* 2023; 27 (1):75-75.
- Pratyusha K, Jindal A. Paroxysmal Sympathetic Hypertension – An Underdiagnosed Entity or a Diagnostic Difficulty? *Indian J Crit Care Med.* 2023 Feb;27(2):151.
- Kannan A, Pratyusha K, Thakur R, Sahoo MR, Jindal A. Infections in critically ill children. *Indian J Pediatr.* 2023 Mar;90(3):289-297.
- Kannan A, Jindal A. Vasoactive inotrope support score - Precarious yet pertinent! *J Pediatr Crit Care* 2022;9(6):193-4.
- Jardine MJ, Kotwal SS, Bassi A, Hockham C, Jones M, Wilcox A, Pollock C, Burrell LM, McGree J, Rathore V, Jenkins CR, Gupta L, Ritchie A, Bangi A, D'Cruz S, McLachlan AJ, Finfer S, Cummins MM, Snelling T, Jha V; CLARITY trial investigators. Angiotensin receptor blockers for the treatment of covid-19: pragmatic, adaptive, multicentre, phase 3, randomised controlled trial. *BMJ.* 2022 Nov 16;379:e072175. doi: 10.1136/bmj-2022-072175. PMID: 36384746; PMCID: PMC9667467.
- Varghese AR, Jindal A. Letter to Editor regarding "Unusual Presentation of Spontaneous Chylothorax". *Indian J Crit Care Med* 2022; 26 (11):1225.

15. Kannan A, Jindal A. Predisposition, Insult, Response and Organ dysfunction – A well-constructed score! *Indian J Crit Care Med.* 2023 Feb;27(2):150. doi: 10.5005/jp-journals-10071-24401.PMID: 36865520
16. Pratyusha K, Jindal A. Noninvasive Ventilation Failure - Predict and Protect. *Indian J Crit Care Med.* 2023 Feb;27(2):149. doi: 10.5005/jp-journals-10071-24400.PMID: 36865509
17. Pratyusha K, Jindal A. Serial Ultrasonographic-measurement of Gastric Residual Volume in Critically Ill Patients for Prediction of Gastric Tube Feed Intolerance: Views. *Indian J Crit Care Med.* 2023 Jan;27(1):79. doi: 10.5005/jp-journals-10071-24390.PMID: 36756468
18. Parhad P, Galhotra A, Jindal A, Nagarkar NM, Behera A. An Assessment of the Profile and predictors of outcome in COVID-19 patients with co-morbidities in public sector tertiary care hospital of central India. *Cureus* 2022 Jul 16;14(7):e26909. doi: 10.7759/cureus.26909.
19. Hammond J, Leister-Tebbe H, Gardner A, Abreu P, Bao W, Wisemandle W, Baniecki M, Hendrick VM, Damle B, Simón-Campos A, Pypstra R, Rusnak JM; EPIC-HR Investigators. Oral Nirmatrelvir for High-Risk, Nonhospitalized Adults with Covid-19. *N Engl J Med.* 2022 Apr 14;386(15):1397-1408.
20. Gaikwad UN, Bose O, Padhi A, Jindal A, Nagpure K, et al. A retrospective observational insight into COVID-19 exposures resulting from personal protective equipment (PPE) breaches. *PLoS One.* 2022 May 17;17(5):e0268582. doi: 10.1371/journal.pone.0268582.
21. Bagri NK, Khan M, Pandey RM, Lodha R, Kabra SK; MIS-C study group. Initial Immunomodulation and Outcome of Children with Multisystem Inflammatory Syndrome Related to COVID-19: A Multisite Study from India. *Indian J Pediatr.* 2022 Dec;89(12):1236-1242.
22. Tiwari L, Jindal A, Gupta V, Taneja LN, Garg R, et al. Concept proposal for IRCF national CPR Registry and update on resuscitation guidelines for infants and children. *Journal of Pediatric Critical Care* 2022; 948-54. https://doi.org/10.4103/jpcc.jpcc_20_22.
23. Kannan A, Pratyusha K, Thakur R, Sahoo MR, Jindal A. Infections in Critically Ill Children. *Indian Journal of Pediatrics* March 2023; 90(3):289-297.

Abstracts Published in Journal(s):

- Reddy M, Sai Pratap, Goel AK, Jondhale S. Intravenous Ketorolac versus Intravenous Morphine for the management of severe vaso-occlusive pain crisis in children with sickle cell disease, an open label randomized controlled trial. *Pediatric Hematology Oncology Journal* 2022; 7 (4): S2-S3. ISSN 2468-1245, <https://doi.org/10.1016/j.phoj.2022.10.237>
- Jondhale S, Rehman B, Goel A. Anaemia and blood transfusions in children with sickle cell disease of central India. *Pediatric Hematology Oncology Journal* 2022; 7 (4): S8. ISSN 2468-1245, <https://doi.org/10.1016/j.phoj.2022.10.005>
- Jondhale S, Rehman B, Goel A. Splenomegaly in children with sickle cell disease-does spleen regress or persist? *Pediatric Hematology Oncology Journal* 2022; 7 (4): S10, ISSN 2468-1245, <https://doi.org/10.1016/j.phoj.2022.10.013>

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, Shah S, Mathew PG	Neonatal sepsis	Anoop Verma, KP Sarbhai	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	46-50

2.	Goel AK, Mathew PG	Minor Traumatic Brain Injury	Anoop Verma, KP Sarbhahi	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	408- 414
3.	Jagzape T	Food Allergies	Anoop Verma, KP Sarbhahi	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	16- 20
4.	Jagzape T	Food Poisoning	Anoop Verma, KP Sarbhahi	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	20- 25
5.	Vaidya PC, Jagzape T.	Approach to a child with wheeze	-----	---Online resourse- India point of care initiative by Elsevier	---	----Details -----	Elsevier	2022	
6.	Jindal A, Kannan A.	Artificial Intelligenc e in Critical Care	Dr Alok C Agarwal and Dr Nitin M Nagarkar	Monograp h on AI	1 st	Raipur		2023	
7.	Jindal A, Siddiqui S, Garg S, Tripathi N, Datla J, Bebarta KK, Singh NB, Shukla P	Assesse ment of Mid- level healthcare provider s cadre under comprehe nsive primary health care in Chhattisga rh,		Assesse ment of Mid- level healthcar e provider s cadre under comprehe nsive primary health care in Chhattisg arh,	1 st	Geneva	WHO	2022	
8.	Jondhale S	A plastic anemia in children	Anoop Verma, KP Sarbhahi	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	284- 287
9.	Niak T	Iron Deficiency anemia	Anoop Verma, KP Sarbhahi	PAI Text Book Of Pediatrics	1 st	New Delhi	JAYPEE	2022	270- 272

PATIENT CARE

	OPD	IPD	Special Clinics
Total	34930	3566	1596

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Anil K. Goel

- Nominated as Coordinator School of Public Health, AIIMS Raipur.
- Appointment as Secretary on Special Duty (SSD) of EMA ACEE- IAP Collaborative for Pediatric Emergency Medicine.
- Organized 1st National Conference of IAP - Pediatrics Emergency Medicine (NAPEM 2022) as Organizing Chairperson at AIIMS Raipur in Nov 2022.
- Invited as Chairperson in
 - Annual Brain tumour symposium on Pediatrics brain tumor CF and Management session organized by department of Neurosurgery AIIMS, Raipur.
 - Simlus-7, Using Simulation for Process improvement organized by AIIMS, Jodhpur,
 - ASPICON 2022 on Pediatrics Anti-microbial stewardship -New Frontiers.
 - IRIA National conference on Juvenile Dermatomyositis_ pattern on MRI.
- DM PEM residents were the Runners up in SimWars Pediatric- Simulation based competition for Pediatric emergency management held at AIIMS Jodhpur 5th and 6th sept 2022.
- Mastered the TOT of Simulation conducted by MEU AIIMS Raipur.
- Attended the Faculty Development programme as Faculty in Simulation.
 - ACCLMPCON 2022 on Tumour marker based predictive algorithm & Tumour marker Assays.
 - EMPART 2023 on Approach to critically ill child in ER, Sedation and Analgesia in ER and Febrile child in ED.
 - EPICON 2023 on Minor procedures in ER and Visual Diagnosis: Foresee your next patient. Moderated workshop on Triage and Pearl organized by IAP PEM Chapter & department of Pediatrics, AIIMS Raipur.

Dr. Tushar Jagtap

Organized 1st National Conference of IAP -Pediatrics Emergency Medicine (NAPEM 2022) as Organizing Secretary at AIIMS Raipur on Nov 2022. Organizing secretary on ASPICON 2022.

Dr. Atul Jindal

- Received Academic Excellence Award By CG-IMA and got felicitated by Honourable Chief Minister Sh. Bhupesh Bhaghel.
- National Convener for Basic Pediatric Intensive Care Course in Pedicriticon 2022, Bhubaneswar.
- Best Oral Paper in PEDICRITICON 2021 held from 29th April to 1st May, 2021 at SMS Jaipur for the study titled "Role of intravenous dexamethasone in prevention of postextubation airway obstruction in mechanically ventilated children in pediatric intensive care unit: a randomized, double-blind controlled trial".
- Chaired a session in 5th Pediatric Critical Care Symposium on What's New in CPR?, Status Epilepticus and Chaired a session on Viral Bronchiolitis.
- Debate in NAPEM 2022 on "Fluid bolus in septic shock – for". Debate in ASPICON on AMSP attitude v/s infrastructure.
- Debate in PEDICRITICON on Use of Whole blood for severe Bleeding – For.
- Moderated a session in NBEMS Paediatric Critical Care webinar on PICU Errors: How to avoid.
- Panel discussion in Advanced CME on Pediatric Critical Care, PEDICRITICON, 2022 on Brain Lung Cross Talk. Debate in 30th IPA Congress and 60th Pedicon 2023 on Evidence Based Care vs Experienced Based Care.
- Panel discussion in Symposium on Sickle Cell Disease on All About Sickle Cell Disease

Dr. Manas R. Sahoo

Chaired a Session in NAPEM 2022 on Point of care technology in ER. Moderated a session in YuvaPediCRITICON 2023. Took training in advanced bronchoscopy module in AIIMS New Delhi.

Dr. Simran Syal

Faculty in Triage in Pediatrics Emergency and Pediatric Emergency and Resuscitation Learning (PEARL) workshop on 4th November, 2022.

Public Awareness Program

Celebrating ORS week from 25th – 31st July, 2022. Breastfeeding week celebration was done from 01-07.08.2022. Various health awareness and educational activities were conducted at the community level. Poster competition was organized for Medical and

Nursing students on these occasions for creation of public awareness. POSHAN Maah Celebration was carried out at Jagdalpur from 24th -25th September 2022 and Mahasamund on 28th September 2022.



NAPEM conference

Breast feeding week 2022



ORS week 2022

Department of Pediatric Surgery

Additional Professor & In-charge

Dr. Nitinkumar B Borkar

Assistant Professors

Dr. Charu Sharma

Dr. Sonali Mane

HIGHLIGHTS

Department run superspeciality course with annual intake of 2 MCh (3 years) and 3 MCh Students are working in the Department.

EDUCATION

Department conducts teaching activity for

staff in hospital and operation theatres based on there need or need we consider to strengthen area. Integrated teaching with Pathology and Lab medicine, Pediatrics and Neonatology. Conducted a Birth Defect Surveillance programme at District Hospital Balod for Health care workers.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1	Management of constipation in Children : Lets join together	CME	12.04.2022	Department of Pediatric Surgery
2	Annual Conference RIPSS , IAPS 2022	Conference	02-03.09.2022	Department of Pediatric Surgery
3	Data Handling and Analysis using MS excel	Workshop	31.03.2023	Department of Pediatric Surgery

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nitin Kumar Borkar

S.No.	Title	CME/Conference	Date	Organized By
1.	Ethical Issues in MIS	National Pedaitric Surgery Update	18.03.2023	MAMC New Delhi
2.	USG Liver , GB and Kidney	18 th All India Annual Academic EM Conclave	11.10.2022	EM India

ORAL PAPERS / POSTERS PRESENTED

S.No.	Authors	Title	Conference	Date	Organized By
1.	Dr. Nitinkumar Borkar *	The comparison of interrupted and continuous suturing technique in Snodgrass urethroplasty in patients with primary hypospadias: A systematic review and meta-analysis	RIPSS IAPS AIIMS Raipur	3/09/2023	AIIMS Raipur
2.	Dr. Ashwin C# Dr. Nitin Borkar Dr. Charu Sharma Dr. Sonali Mane	Monotherapy with Hydroxyurea : An alternative option for recurrent Pediatric Fibromatosis	RIPSS IAPS AIIMS Raipur	3/09/2023	AIIMS Raipur
3.	Dr. Charu Tiwari	Pediatric Basidiobolomycosis: An Unusual & Misdiagnosed Entity	33rd Euro-Pediatric Conference (online)	05.09.2022	Conference Series.com, Berkshire
4.	Dr. Charu Tiwari	Tamarind Seeds in Tracheo-bronchial Tree: Technical Challenges during Rigid Bronchoscopy	33rd Euro-Pediatric Conference (online)	05.09.2022	Conference Series.com, Berkshire
5.	Dr. Nitinkumar Borkar Dr. Charu Tiwari	Call for Help: When and Whom	IAP-Paediatric Emergency Medicine Conference (NAPEM-2022), AIIMS, Raipur	05.11.2022	
6.	Dr. Revanth Kalla Dr. Nitin Borkar Dr. Charu Tiwari Dr. Sonali Mane	Comparison of stretched penile length in hypospadias patients with stretched penile length of normal healthy children using established nomogram	SPUCON 2022	04.12.2022	SCB Medical College Jabalpur

(.*Best paper award among faculty presentation, # second award for poster presentation)

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.	DrCharu Tiwari	Intramural Funded	3 years	2020-2023	Rs 4,94,000/-

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.	Post – Urethroplasty Complication in Hypospadias Repair : A Systematic Review and Meta- Analysis Comparing Polydioxanone and Polyglactin (Protocol Registered in PROSPERO no- CDR420233409710)

Completed

S.No.	Project
1.	Applicability of the Broselow Paediatric Emergency Tape to predict the size of Endotracheal Tube (ET) and Laryngeal Mask Airway (LMA) in Paediatric Patients undergoing surgery: A Retrospective analysis
2.	Use of an Autologous Platelet-Rich Concentrate in Hypospadias Repair: A Systematic Review and Meta analysis (Protocol Registered this study in INPLASY no 202290098)
3.	Accuracy of the Broselow Paediatric Emergency Tape at Predicting weight in Children of Central India

Collaborative Projects

S.No.	Project	Collaborating Department/Institution
1.	Clinico-Biochemical profile and Karyotyping in Disorders of Sex Development in Chhattisgarh State: A Hospital-based Study	Dept of Anatomy, AIIMS, Raipur, CG
2.	Immediate Hemodynamic changes on Performing Slow Uni-Nostril and Alternate Nostril Breathing Pranamayas in Normotensive Adults.	Department of Yoga
3.	Implementation of NCDIR Electronic Mortality Software (NCDIR e Mor) Strengthen Medical Certification of Cause of Death	CFM/ Hospital Admin

PUBLICATIONS

1. Borkar N, Tiwari C, Mohanty D, Singh S, Dhua A. The comparison of interrupted and continuous suturing technique in Snodgrass urethroplasty in patients with primary hypospadias: A systematic review and meta-analysis. *Urol Ann* 0;0:0.
2. Borkar N, Tiwari C, Mohanty D, Sinha A, Upadhyaya VD (2022): Use of an Autologous Platelet-Rich Concentrate in Hypospadias Repair: A Systematic Review and Meta-analysis, *Arab Journal of Urology*, DOI: 10.1080/2090598X.2022.2149129
3. Tiwari C, Basu S, Makan A, Shah H. Pancreatic divisum causing recurrent pancreatitis in an 8-year-old child. *J Indian Assoc Pediatr Surg* 2022;27:655-6.
4. Borkar N, Sharma C, Mohanty D, . (September 03, 2022) A Systematic Review and Meta-Analysis of Harmonic Scalpel Versus Conventional Techniques of Appendiceal Stump Closure in Laparoscopic Appendectomy. *Cureus* 14(9): e28759. DOI 10.7759/cureus.28759
5. Agrawal A, Sandlas G, Tiwari C, Anand S, Agrawal A, Viswanathan V. Laparoscopic vs Robotic Approach for Rectal Cancer: A Meta-analysis. *World J Lap Surg* 2022;15(3):224-228.
6. Borkar N, Sharma C, Francis J, et al. (January 03, 2023) Applicability of the Broselow Pediatric Emergency Tape to Predict the Size of Endotracheal Tube and Laryngeal Mask Airway in Pediatric Patients Undergoing Surgery: A Retrospective Analysis. *Cureus* 15(1): e33327. DOI 10.7759/cureus.33327
7. Tiwari C, Borkar NB, Singh S, Mane S, Sinha C. Delayed presentation of duodenal atresia. *Afr J Paediatr Surg* 2023;20:97-101.
8. Mattson A, Sinha A, Njere I, Borkar N, Sinha CK. Laparoscopic cholecystectomy in children: A systematic review and meta-analysis. *Surgeon*. 2022 Oct 12:S1479-666X(22)00113-5. doi: 10.1016/j.surge.2022.09.003. Epub ahead of print. PMID: 36243605.
9. Baruah, T D, Kannauje P , Ray R, Borkar N, Panigrahi S, Kumar D, Pathak M, Biswas D . Hospital mortality among COVID-19 patients – Experience of a multi-disciplinary tertiary care teaching hospital of Chhattisgarh in Central India. *Journal of Family Medicine and Primary Care* 11(10):p 6499-6505, October 2022. I DOI: 10.4103/jfmpc.jfmpc_584_22
10. Nair, A., Al-Aamri, H. H., Borkar, N., Rangaiah, M., & Haque, P. W. (2023). Application of Enhanced Recovery after Surgery Pathways in Patients Undergoing Laparoscopic Cholecystectomy With and Without Common Bile Duct Exploration: A systematic review and meta-analysis. *Sultan Qaboos University Medical Journal*, 1(1). <https://doi.org/10.18295/squmj.1.2023.005>
11. Nair AS, Rangaiah M, Dudhedia U, Borkar NB. Analgesic efficacy and outcomes of ultrasound-guided erector spinae plane block in patients undergoing bariatric and metabolic surgeries: A systematic review. *J Med Ultrasound* , 2023 . DOI- 10.4103/jmu.jmu_112_22
12. 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.
13. 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.
14. Nair A, Borkar NK. Significance of including grey literature search in systematic reviews and meta-analyses. *Saudi J Anaesth* 2023;17:295-6

PATIENT CARE

OPD	IPD	Major OT	Minor OT	Special Clinics	Or any other facility
5906	955	596	3	Hypospadias clinic – 289 Fetal Surveillance clinic - 181	Uroflow and Urodynamic Studies

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Judge for E Poster competition a During SPUCON 2022 at JABALPUR on 4 th December 2022 – by Dr. NB Borkar
2. Dr. NB Borkar – nominated for Fellow of International Medical science Academy (FIMSA) 2022-23 , to be awarded in November in Jaipur
3. Dr. NB Borkar was called for interview in Chhattisgarh Doordarshan for interview on Birth Defects and Pediatric Injuries.

VISITING SCIENTIST

Dr CK Sinha Consultant Pedaitric Surgeon St Georges University Hospital London is a Visiting Professor to Department of Pedaitric Surgery AIIMS Raipur .

Department of Pathology & Lab Medicine

Professor & Head of the Department

Dr. Amit Kumar Chowhan

Professor

Dr. Nighat Hussain

Additional Professors

Dr. Rahul Satarkar

Dr. Vandita Singh (Till 25.03.2023)

Assistant Professors

Dr. Rakesh Kumar Gupta

Dr. Ashish Kumar Gupta

Dr. Yashita Gupta

Dr. P. Aruna (From 05.12.2022)

HIGHLIGHTS

Regular External Quality Assurance programmes are being done 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 (SurePath) test for Cervical Pap Smears was started from June 2022 and expansion of IHC panel was undertaken. This year the Department established a state of the art 'Surgical Pathology Museum' with 152 well preserved and mounted specimens. Procurement and installation of Podium with speaker system for post graduate teaching was done. Channelizing and fast tracking of different equipments and consumables in pipeline for further advancement of the department is being made.

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. The Department increased intake of PG residents from six to nine per year after approval of Academic Council of the Institute. Currently 18 post Graduates are working in the department in different sections. Post Graduate 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 Clinicopathological correlation meetings (CPCs) with departments like Neurosurgery, Urology, Nephrology, Paediatric Surgery, Dermatology, ENT and Pulmonary Medicine are being done.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organised By
1.	Guest Lecture by Prof (Dr.) Shankar Sundaram, Professor and Head, Department of Pathology, Government Medical College, Gandhinagar Kottayam, Kerala	Guest Lecture on Topic 'Approach to Diagnosis of Cutaneous Dermatoses'	18.07.2022.	Dept of Pathology, AIIMS Raipur
2.	Liquid Based Cytology	State Level CME	12.11.2022.	Dept of Pathology, AIIMS Raipur
3.	2nd Annual Pathology QUIZ for MBBS students	QUIZ	17.11.2022.	Dept of Pathology, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amit Kumar Chowhan

S. No.	Title	CME/Conference	Date	Organised By
1.	Lecture on 'Update on Recent (2021 WHO Classification of CNS Tumours'	Annual Brain Tumour Symposium	10.06.2022.	Department of Neurosurgery, AIIMS, Raipur (C.G.)
2.	'Introduction of Medical Education Unit' at AIIMS, Raipur	MBBS Induction Program	22.11.22.	Dean Office, AIIMS, Raipur
3.	Lecture on 'Formulating Short answer questions (SAQs)'	MEU Faculty Training / Workshop State Level Workshop	28.11.22 - 30.11.22	Department of Medical Education Unit, AIIMS, Raipur

Dr. Rahul N. Satarkar

S. No.	Title	CME/Conference	Date	Organised By
1.	Bethesda system of reporting in cervical pap smears	State level CME on "Liquid based cytology"	12.11.22	Department of pathology & lab medicine, AIIMS, Raipur, CG.

Dr. Rakesh Kumar Gupta

S. No.	Title	CME/Conference	Date	Organised By
1.	How to assess your surgery: Discussion with pathologist, LN harvest,	AIIMS Raipur UROCON 2022	06.08.22 - 07.08.252	Dept of Urology AIIMS Raipur

	apical margin			
2.	Role of Histopathology in Diagnosis of ILDs	National symposium on pulmonary medicine update 2023	11.03.22	Dept of Pulmonary Medicine, AIIMS Raipur
3.	Urine cytology for active sediments	CME on evaluation of body fluids- Doctor's perspective	24.09.23	Dept of Pathology, GMC Rajnandgaon
4.	Histopathological Diagnosis of Fungal Infection	IAMM PG assembly 2022	15.09.22 - 17.09.22	Dept of Microbiology, AIIMS Raipur
5.	Role of LBC in Non-Gynecology Samples	State level CME on liquid-based cytology	12.11.22	Dept of Pathology, AIIMS Raipur
6.	Role of Delivery/Presentation Style in Learning Outcomes	CME	27.04.22 - 29.04.22	IAE Hyderabad

Dr. Ashish Kumar Gupta

S. No.	Title	CME/Conference	Date	Organised By
1.	Ancillary Testing in Liquid Based Cytology	State Level CME on 'Liquid Based Cytology'	12.11.2022	Dept of Pathology, AIIMS Raipur
2.	Participated as Speaker	Awareness camp on World Sickle day	19.06.2022	AIIMS, Raipur

Dr. Yashita Gupta

S. No.	Title	CME/Conference	Date	Organised By
1.	Interpretation of Various Serological Tests (SPE/SIFE/SFLC) in Multiple Myeloma	National conference on Multiple Myeloma	13.08.22 - 14.08.22	Department of Medical Oncology, Department of Clinical Hematology, Department of General Medicine of AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title of Presentation	Name of the Conference	Date	Organized by
1.	Dr Aishwarya John, Dr Yashita Gupta, Dr Amit K Chowhan	Retroperitoneal Masses Unusual Presentation	ISMPO ISOCON 2022 Conference	28.10.22 - 30.10.22	Indian Society of Medical & Pediatric Oncology and ISO Indian Society of Oncology
2.	Dr Vats Mehta, Dr Yashita Gupta, Dr Amit K Chowhan	Case Report- Metaplastic Carcinoma Masquerading As Fibromatosis: A	CAPCON 2022	04.02.23 - 05.02.23	4-5 February, 2023

		Diagnostic Dilemma			
3.	Dr Shraddha, Dr Amit K Chowhan, Dr Yashita Gupta	Suprapubic Ectopic Breast Tissue With Features Of Lactating Adenoma	CAPCON 2022	04.02.23 - 05.02.23	4-5 February, 2023
4.	Dr Deepak kumar, Dr Rubik Ray, Dr Tridip Dutta Baruah, Dr Rahul Satarkar	A rare case of malignant solitary fibrous tumor of breast	CGASICON 22	17.04.22	Chhatisgarh state chapter of association of surgeons of India.
5.	Dr. Rakesh Kumar Gupta, Dr. Aishwarya John, Dr. Ripu Daman Arora, Dr. Mudalsha Ravina	A rare case of osteoclastic variant of anaplastic thyroid carcinoma left lobe with squamous cell carcinoma of uncertain origin in right lobe thyroid: A case report	North Bengal Medical College, Siliguri	04.11.22 - 07.11.22	North Bengal Medical College, Siliguri
6.	Dr. Mousmi Agrawal, Dr. Rakesh Kumar Gupta, Dr. Archana Keche, Dr. Satyaki Ganguly	Histopathological diagnosis of blastomycosis clinically presenting as mycetoma in a young immunocompetent indian patient: a diagnostic dilemma	ASPICON 2022	12.11.22 - 14.11.22	Dept of Microbiology, AIIMS Raipur
7.	Dr. Mousmi Agrawal, Dr. Rakesh Kumar Gupta, Dr. Rupa Mehta, Dr. Sharmistha Chakravarty	Two interesting cases of primary oral tuberculosis masquerading as malignancy; case report with review of literature	ASPICON 2022	12.11.22 - 14.11.22	Dept of Microbiology, AIIMS Raipur
8.	Dr. Ankita Simon, Dr. Rakesh Kumar Gupta, Dr. Debajyoti Mohanty, Dr. Archana Keche,	Histological diagnosis of cutaneous nocardiosis: a lesson to learn	ASPICON 2022	12.11.22 - 14.11.22	Dept of Microbiology, AIIMS Raipur
9.	Dr. Md Shifin Shajahan, Dr. Rakesh Kumar Gupta, Dr. R. K. Ramchandani, Dr. Amit K. Chowhan	Mucoepidermoid carcinoma of breast; A case report from tertiary care centre	CAPCON 2022-23	04.02.23 - 05.02.23	Dept of Pathology, PTJNMC Raipur
10.	Dr. Archana Keche, Ganguly S, Chhabra N, Dr. Rakesh Kumar Gupta,	Subcutaneous mycosis due to unusual fungi; A study from AIIMS Raipur	ISMM 2023	22.03.23 - 25.03.23	RIMS Imphal (Manipur)
11.	Dr. Shaurya Vijayan, Dr. Rakesh Kumar Gupta, Dr. Mousmi Agrawal,	Primary pulmonary neurofibroma; A rare presentation	CAPCON 2022-23	04.02.23 - 05.02.23	Dept of Pathology, PTJNMC Raipur

	Dr. Ankita Simon, Dr. Rangnath T. G.				
12.	Dr Saundarya, Dr Yashita Gupta	Catamenial Pneumothorax Caused By Thoracic Endometriosis: A Case Report	CAPCON 2022	04.02.23 - 05.02.23	4-5 February, 2023

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 values in Detection of Cervical Cancer and its Precursors in Women from Chhattisgarh	Dr. Nighat Hussain	AIIMS, Raipur	1 Year	2019	5,00,000/-
2.	Design and Development of an E-Marketing mobile App for Affordable Healthcare Equipment promoting Self-reliance & Make-in-India Campaign	Dr. Rakesh Kumar Gupta	IBITF (IIT, Bhilai)	01	2023-24	49,96,288/-
3.	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	2	2020	Rs. 5 Lakhs
4.	Identification of Clinico-Pathological profile of Target Antigens of Membranous Nephropathy by Immunohistochemistry	Dr Yashita Gupta	AIIMS, Raipur	1 year	2023-24	4,98,253/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Triple Negative Breast Cancer; Immunohistochemistry based Genomic profiling and Correlation with the Histomorphology and Outcomes	Dr. Rakesh Kumar Gupta Dept of Pathology, AIIMS Raipur	AIIMS, Raipur	02	2020-22	5,00,000

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

S. No.	Project
1.	Study of Squash Cytology/Frozen Section in a cohort of CNS Lesions at a Tertiary Care Centre in Central India.
2.	Comprehensive Genomic analysis of Squamous Cell Carcinoma of Tongue to identify Gene Expression
3.	Expression of Estrogen Receptor, Progesterone Receptor and Programmed Death Ligand 1 in Meningioma : An Immunohistochemical Analysis
4.	Application of Sydney System for Lymph Node Cytology at a Tertiary Care Centre in Central India.
5.	PDL1 in Thyroid Tumours
6.	Expression of VEGF and PDL 1 in Epithelial Ovarian Carcinomas at a Tertiary Care Centre in Central India
7.	Expression of Interleukin 37 and NLRP3 Inflammasome in the Skin Lesions of Leprosy
8.	Evaluation of Immunohistochemical Expression of sox-2 and ki-67 in Squamous Cell Carcinoma Cervix and its Correlation With Histological and Clinicopathological Parameters
9.	Evaluation of CD10 expression in Biopsy Specimen of Invasive Breast Carcinoma and its association with Clinico-Pathological Factors

Completed

S. No.	Project
1.	Analysis of Prognostic Biomarkers in Oral Cavity Squamous Cell Carcinoma
2.	Assessment of Milan System for reporting Salivary Gland Cytopathology a Tertiary Care Institute.
3.	Expression OF VEGF and PDL 1 in Epithelial Ovarian Carcinomas at a Tertiary Care Centre in Central India
4.	Cyto-histomorphological correlation in a Cohort of Thyroid Lesions over a Seven (7) Year period, with evaluation of BRAF Immunohistochemical Test as a Diagnostic and Prognostic Marker in Thyroid Lesions
5.	Clinicopathological Study of Cohort of Meningiomas and their Ki-67 Proliferation Indices
6.	Spectrum of Histopathological Changes and their Correlation with Clinical presentations in COVID-19 associated Mucormycosis Patients; A Hospital Based Cross Sectional Study
7.	Role of Histopathological findings as an Aid in the Prognosis of Post COVID-19 Rhino-Orbito-Cerebral Zygomycosis

Collaborative projects

Ongoing

S. No.	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 Inpatients 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 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.

Completed

S. No.	Project	Collaborating department/institution
1.	A Pilot study to Evaluate the Changes in Venous Blood Gas Parameters and Hypoxia Biomarkers in Health Care Workers using different Kinds of Masks	Dept. of Biochemistry, AIIMS Raipur
2.	Study of Epidemiological, Clinical & Pathological Profile of Breast Carcinoma in patients cohort from AIIMS, Raipur	Department of General Surgery, AIIMS, Raipur
3.	Comparison Of Diagnostic Accuracy Of The Risk Of Malignancy Index, IOTA-Simple Rules And IOTA ADNEX Model In Discriminating Benign From Malignant Ovarian Tumors	Department of Obstetrics& Gynecology, AIIMS, Raipur
4.	Prenatal Diagnosis of Congenital Anomalies – Prevalance, Pattern and Perinatal Outcome	Department of Obstetrics& Gynecology, AIIMS, Raipur
5.	Role of Diffusion Weighted Imaging and Dynamic Contrast Enhanced MRI for Preoperative Evaluation of Endometrial Carcinoma – A Pilot Study	Department of Radio-diagnosis, AIIMS, Raipur
6.	Pilot Study -Clinical, Radiological and Pathological Co-relation of Mandibular Invasion in Carcinoma Oral Cavity	Department of ENT, Head & Neck Surgery, AIIMS Raipur

PUBLICATIONS

- 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* 2023;14:427-429.
- Sharma AK, Gandhoke CS, Juneja M, Chowhan AK. Juvenile Psammomatoid Ossifying Fibroma of the Orbital Roof: A Rare Presentation. *Ophthalmic Plast Reconstr Surg* 2023;39:e29.
- Bhargav, KM; Manasa, CVS; Sindhu, G; Mohan, Alladi; Chowhan, A. K.; Sirisha, K.. Prostate abscess with acute urinary retention as the initial presentation of granulomatosis with polyangitis. *Journal of Clinical and Scientific Research* 2022;11:p S5-S8.
- Rukmangadha N, Gali SC, Chowhan AK, Prayaga AK. Role of Intraoperative Frozen Section in the Diagnosis of Ovarian Neoplasms- A Retrospective Study in an Oncology Centre. *J Clin of Diagn Res* 2022;16:EC11-EC14.
- Chhabra N, Sharma H, Hussain N. POEMS Syndrome: Skin Lesions Bringing the Jigsaw Puzzle Together. *Skinmed*, 2022. 20. 66-68.
- Sinha M, Hussain N, Agrawal S. Sperm DNA Fragmentation Index in Infertility Patients vs Normal Individuals: A Cross-sectional Study. *Journal of clinical and diagnostic research*, 2022. 16.
- Sharma, A, Misra S, Singh P, Sharma & Hussain N. Pleomorphic Adenoma of the Orbital Ectopic Lacrimal Gland: An Extremely Rare Occurrence with Review of Literature. *Neurology India*, 2022. 70.
- Kumar, Pankaj & Bugalia, Amit & Thaker, Pallavi & Gorivale, Manju & Hussain, Nighat & Nadkarni, Anita & Mallik, Nabhajit. (2022) Co-inheritance of Hb Ottawa and HbS: a rare interaction leading to an interesting diagnostic challenge. *Journal of Hematopathology*. 15. 10.1007/s12308-022-00514-7.
- Singh, Vinita & Siddiqui, Sabah & Hussain, Nighat & Nanda, Rachita & Bugalia, Amit & Agrawal, Sarita. (2022). Serum testosterone level and semen quality in male patients with sickle cell disease in outpatient department of Chhattisgarh: a case-control study. *International journal of clinical and experimental pathology*. 15. 247-252.
- Chhabra, Namrata & Raut, Saurabh & Ganguly, Satyaki & Hussain, Nighat.

- (2022). Relapse of pemphigus foliaceus initiating at the site of irradiation in an elderly male with laryngeal carcinoma: Illustrating the concept of immunocompromised cutaneous district. *Indian journal of cancer*. 59.
11. Singh A, Arora R, Ganguly S, Satarkar R. A rare case of lethal midline granuloma posing a diagnostic challenge in COVID times and the response to chemotherapy. *J Dermatol Dermatol Surg* 2022;26:S23-5.
 12. 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 Mar;51(3):E89-E93.
 13. Keche AY, Ramchandani R, Gupta R, Mathias A. Subcutaneous Cyst Due to a Novel Fungus, *Aquastromamagniostiolata*: A Case Report. *Cureus*. 2022 Aug 7;14(8):e27760.
 14. Gupta RK, Sharma A, Sharma MC. Overview of recent advances in the classification of ependymomas in WHO CNS5 classification: Simplified approach to their integrated diagnosis. *Indian J PatholMicrobiol*. 2022 May;65(Supplement):S68-S72.
 15. Ganga RT, Ravina M, Sahu D, Gupta RK, Pati SK. 18F-Labeled Fluoro-2-Deoxyglucose Positron Emission Tomography and Computed Tomography in a Large Pulmonary Sclerosing Pneumocytoma with Contralateral Lung Metastasis. *Indian J Nucl Med*. 2022 Jan-Mar;37(1):103-104.
 16. Rakesh RK, Agrawal M, Simon A, Ramchandani R, Shajahan MS. Mucoepidermoid Carcinoma of Breast Presenting as Abscess-like Pus Discharging Mass; A Rare Tumour With Unusual Presentation: Mucoepidermoid carcinoma of breast with unusual presentation. *Archives of Breast Cancer*. 2023 Mar 24;200-4.
 17. Patel S, Mohapatra E, Suganthy A, Shah S, Abraham J, Nanda R, Behera AK, Gupta AK. A pilot study to evaluate the changes in venous blood gas parameters and hypoxia biomarkers in health care workers using different kinds of masks. *Lung India*, 40(2):134, January 2023
 18. Choudhary R, Singh A, Chhabra N, Gupta AK. Oral Squamous Cell Carcinoma Following Acute Methotrexate Toxicity in a Psoriasis Patient: A Causal Association or Mere Co-Incidence. *Current Drug Safety* 17(4); Aug 2022.
 19. Mehta R, Chakravarty S, Nagarkar NM, Gupta AK, Banjare A. Mammary Analogue Secretory Carcinoma of Submandibular gland. *Iranian Journal of Otorhinolaryngology*; 34(122):191-197, May 2022
 20. Sharma AK, Shrama RK, Singh PR, Satpute S, Nayak N, Gupta AK, Nagarkar NM. Cervical Chondrosarcoma: A critical review with an illustration of a rare technically challenging case Cervical Chondrosarcoma: A critical review with an illustration of a rare technically challenging case. *Romanian Neurosurgery*; 2022

Abstract Published in Journals:

1. **Gupta RK**, John A, Arora RD, Ravina M. A rare case of osteoclastic variant of anaplastic thyroid carcinoma left lobe with squamous cell carcinoma of uncertain origin in right lobe thyroid: a case report. *Journal of Cytology*. 2022;39 (Supplement 1):2.

2. Keche A, Tigga R, Ganguly S, Chhabra N, **Gupta R**. P216 Rare isolates from subcutaneous mycotic lesions; A study from tertiary care center in Chhattisgarh, India. Medical mycology. 2022;60 (Supplement 1).

CHAPTERS IN BOOKS

S.No	Author(s) of Chapter	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Amit Kumar Chowhan And Nighat Hussain	Pathological Aspects of Rhinosporidiosis	Nitin M. Nagarkar Rupa Mehta	Rhinosporidiosis	1	Singapore	Springer	April 2022	1-100
2.	Gupta RK , Saran RK, Sharma MC	Ependymal tumors	Sarkar C, Santosh V, Chako G, Mahadevan A	Essentials of diagnostic surgical neuropathology	2	New Delhi	Thieme	2023	75-92
3.	Ashish Kumar Gupta , Shashi Bhushan	Reticulocytes- Mother of Erythrocytes	Vani Rajashekarai ah	The Erythrocyte - A Unique Cell	1	London, United Kingdom	IntechOpen	March 2023	69-82

PATIENT CARE

	Histopathology	Immunopathology	Cytopathology	Haematology	Clinical Pathology
Total	12354	8563	8632	306504	41410

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Amit Kumar Chowhan:

1. Chairperson for session 'Interpretation of various serological tests in Multiple Myeloma' in National Conference on Multiple Myeloma' organized by Department of Medical Oncology, AIIMS, Raipur (C.G.) on 13 & 14 August 2022.
2. Judge for 'Poster Competition' in Conference 'Diagnostic Update & Molecular Advances in Endocrine Organ Lesions' organized by Dept of Pathology, SGPGIMS, Lucknow (U.P.) on 16 - 17 September 2022.

3. Chairperson for session 'Role of Histopathology in Diagnosis of ILDs' in National symposium on pulmonary medicine update 2023 organized by Dept of Pulmonary Medicine, AIIMS Raipur on 11- March 2023.
4. Became Life Member and Executive Member of 'Indian Association of Perinatology & Reproductive Biology' on 12.08.2022.
5. Became Life Member of Indian Medical Association on 13.07.2022.
6. Upon Invitation reviewed articles for various PubMed Indexed & reputed

National & International Journals (Publons Verified):

Rahul Satarkar

1. Chairperson for poster session in MAPCON MIDTERM CME held on 22 and 23 July 2022 organized by Symbiosis medical college for women, Symbiosis university hospital and research centre, Pune
2. Chairperson for poster session in UP PATHCON 2022, 29 annual conference of UP chapter of Indian association of pathologists and Microbiologist organized by Department of Pathology, Government Institute of Medical sciences, Greater Noida, Gautam Buddha Nagar, UP.
3. Chairperson a session on endometrial carcinoma by Dr Suma M N in 17 Annual state conference of Chhatisgarh Chapter of Indian Association of pathologists and microbiologist organized by department of Pathology, Pt. J. N. M. Medical college, Raipur on 4-5 February 2023.

Dr. Rakesh Kumar Gupta

1. Joint secretary, CG-chapter IAPM, Chhattisgarh.
2. First prize in poster presentation by Dr. Archana Keche, Professor, Department of Microbiology entitled 'Subcutaneous mycosis due to unusual fungi; A study from AIIMS Raipur' at ISMM 2023, RIMS Imphal as co-author.
3. 3rd prize in Hindi Poetry competition organized by Hindi section AIIMS, Raipur on 08/09/2021 at AIIMS, Raipur, C.G.
4. 3rd prize in Spontaneous speech competition organized by Hindi section AIIMS, Raipur on 02/09/2021 at AIIMS, Raipur, C.G.
5. Consolation prize in Hindi Debate competition organized by Hindi section AIIMS, Raipur on 07/09/2021 at AIIMS, Raipur, C.G.
6. Chairperson, in session Bone marrow examination and its interpretation by Dr. Ambar Garg at CIMS Bilaspur on 7 Jan 2023
7. Chairperson for session 'evaluation of paper presentation by the postgraduate students' at midterm conference of AMUCON 2023' at Jaipur from 11-12 February 2023.
8. Chairperson for session on mental and psychological well-being for medical professionals at midterm conference of AMUCON 2023' at Jaipur from 11-12 February 2023.
9. Chairperson for session on 'Unusual tumors of eye and adnexa' conference of CAPCON 2022-23 at PTJNMC, Raipur from 4- 5- February 2023.
10. Judge for oral paper presentation by postgraduate's conference of CAPCON

2022-23 at PTJNMC, Raipur from 4- 5 February 2023.

11. Panellist for the session on " " at capacity development program organized by IAE, Hyderabad on 27-29 April 2023.

13. Reviewed paper for these journals

- a. Indian journal of Surgery
- b. Indian Journal of Pathology and Microbiology
- c. Annals of Pathology and Laboratory Medicine
- d. Medical Journal Armed Forces India
- e. BMC infectious disease
- f. Obstetrics & Gynecology Science
- g. International journal of Dermatology
- h. International journal of Fertility and Sterility
- i. International Journal of Surgery Case Reports

12. Became Life Member of Indian Association of Cytology

Dr. Ashish Kumar Gupta

1. Attended training course for molecular diagnosis of pathological diseases at CMC, Vellore from 01.08.2022 to 14.08.2022.

Department of Pharmacology

Professor and Head of the Department

Dr. Nitin Rewaram Gaikwad

Additional Professor

Dr. Yogendra Narayanrao Keche

Assistant Professors

Dr. Alok Singh

Dr. Pugazhenthian T.

Dr. Prafulla Pralhad Thaware (From 11.02.2023)

HIGHLIGHTS

Department of Pharmacology runs various undergraduate courses such as MBBS, B.Sc. (Hons) Nursing and other paramedical courses. In addition, department runs PG Course (MD-Pharmacology) and Super Specialty Course (DM Clinical Pharmacology) with annual intake of four (04) and two (02) seats per annum, respectively. Faculty members are actively involved in research and publications and have undertaken many funded and non-funded research projects. Department is also facilitating undergraduate research and one MBBS student completed ICMR-STC project during this year.

Faculty Members, Senior Residents (Academic and Non-academic) and Junior Residents (Academic) had actively participated in various CMEs and Conferences, presented scientific papers and few of them have received prizes as well. Faculty members have received various awards and fellowships during this year. Junior Residents (Academic) also brought laurels to the department by winning quiz competition at National Level Conferences.

Department of Pharmacology is ADR Monitoring Center under Pharmacovigilance Program of India (PvPI), a flagship program of Government of India. The Department is actively involved in Pharmacovigilance activities and reported more than 250 ADR cases, including ADRs related to the drugs under investigations for COVID – 19 and AEFI cases related to COVID vaccines. Department celebrated the National Pharmacovigilance Week from 17- 23.09.2022. Under this activity the Department conducted various activities such as awareness program for Healthcare Professionals, General Public and Poster Presentations.

Patients and their relatives visiting the hospital were informed about *Consumer Form* for ADR Reporting and also about ADR PvPI mobile app. Department also received prizes in National Level Completion conducted as a part of National Pharmacovigilance Week. In addition, the department also conducted educational activity on National Deworming Day in schools and also disseminated updated 'Module on Management of ADRs due to Albendazole' to all the ADR Monitoring Centers under PvPI. Department of Pharmacology has also received recognition as Medical Device Adverse Event Monitoring Center (MDMC) under Materiovigilance Program of India (MvPI).

EDUCATION

Department introduced innovative teaching methods like making and presenting Poster Presentation, Home Assignment, Small Group Discussion, which facilitate self-directed learning among students.

During 2022-23, two (03) Post-Graduate Students passed their Final MD (Pharmacology) Examination and the result was 100%. Twenty Two (22) Second Year MBBS students and Twelve (12) Second Year B. Sc. (Hons) Nursing students secured distinction in Pharmacology in their respective final examinations held during 2022-23. The passing percentage in MBBS 2nd Professional Examination held in February 2023 and B. Sc. (Hons.) Nursing 2nd Year Final Examination held in October 2022 were 98% and 89%, respectively. The Passing percentage was 100% in B. Sc. - MLT (Batch - 2021), B. Sc. - O.T. Technology (Batch - 2020) and Pre-Hospital Trauma Technician (Batch - 2021) courses.

CMEs / WORKSHOP / SYMPOSIA / NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organised By
1.	Pharmacovigilance	CME	19.09.2022	Department of Pharmacology, AIIMS Raipur
2.	Intellectual Property Rights (IPR)&Patents and Design filing	Webinar	29.09.2022	Department of Pharmacology, AIIMS Raipur
3.	Training sessions on NCDs and its Inventory Management for state Pharmacist of CG State	Workshop	12.11.2022 and 13.11.2022	Chhattisgarh Government and Department of Pharmacology, AIIMS Raipur
			19.11.2022 and 20.11.2022	
			26.12.2022 and 27.12.2022	
			24.01.2023 and 25.01.2023	
			15.02.2023 and 16.02.2023	
			01.03.2023 and 02.03.2023	

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nitin Rewaram Gaikwad

S. No.	Title	CME/Conference	Date	Organised By
1.	Prescription writing and rational drug therapy	Post-graduate Orientation Program	21.04.2022	PG Induction Committee, AIIMS Raipur
2.	Patient Safety and Pharmacovigilance	Orientation Programme for newly joined Nursing Officers	22.06.2022	AIIMS Raipur
3.	Patient Safety and Pharmacovigilance	Orientation Programme for newly joined Nursing Officers	25.06.2022	AIIMS Raipur
4.	Patient Safety – Pharmacovigilance and Medication Error	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	17.09.2022	Royal College of Pharmacy
5.	Patient Safety – Pharmacovigilance and Medication Error	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	19.09.2022	AIIMS Raipur
6.	Patient Safety – Pharmacovigilance and Medication Error	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	20.09.2022	Columbia University
7.	Patient Safety – Pharmacovigilance and Medication Error	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	22.09.2022	Kalinga University, Raipur
8.	Ethics Committee – Roles and Responsibilities	Workshop on "Good Clinical Practices and Ethical Issues in Research Involving Human Subjects"	09.10.2022	GMC Rajnandgaon, Chhattisgarh
9.	Informed Consent Document			

10.	Legal and Ethical Issues			
11.	Medication error and Pharmacovigilance	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	12.10.2022	CG State and AIIMS Raipur
12.	Medication error and Pharmacovigilance	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	19.10.2022	CG State and AIIMS Raipur
13.	Sensitization towards Institutional Antibiotic Policy	World Antibiotic Awareness Week	24.11.2022	AMSP Committee, AIIMS Raipur
14.	Approach to Medical Learning	Orientation Program for MBBS 1 st Year (2022 Batch)	29.11.2022	AIIMS Raipur
15.	Medication error and Pharmacovigilance	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	26.12.2022	CG State and AIIMS Raipur
16.	Medication error and Pharmacovigilance	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	24.01.2023	CG State and AIIMS Raipur
17.	Literature Search	Foundation Course in Research Methodology	06.02.2023	AIIMS Raipur
18.	Analytical Study Design	Foundation Course in Research Methodology	07.02.2023	AIIMS Raipur
19.	Informed Consent Form	Foundation Course in Research Methodology	09.02.2023	AIIMS Raipur
20.	Prescription writing and rational drug therapy	Post-graduate Orientation Program	09.02.2023	PG Induction Committee, AIIMS Raipur

Dr. Yogendra Narayanrao Keche

S. No.	Title	CME/Conference	Date	Organised By
1.	How to fill ADR reporting form by Healthcare Professionals and Consumers	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	19.09.2022	AIIMS Raipur
2.	How to fill ADR reporting form by Healthcare Professionals and Consumers	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	20.09.2022	Columbia College of Pharmacy, Raipur
3.	"How to fill ADR reporting form by Healthcare Professionals and Consumers"	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	22.09.2022	Kalinga University Pharmacy College, Raipur.
4.	'Basic Introduction to GCP, Principles of ICH GCP & ICMR 2017 Guidelines for human research' 'Case Record form'	Workshop on "Good Clinical Practices and Ethical Issues in Research Involving Human Subjects"	09.10.2022	GMC Rajnandgaon, Chhattisgarh

5.	Consequences of GCP non-compliance as per New Drugs Clinical Trial 2019 & ICMR 2017 guidelines and compensation			
6.	Introduction to Diabetes and Hypertension	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	19.10.2022	CG State and AIIMS Raipur
7.	Introduction to Diabetes and Hypertension	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	24.01.2023	CG State and AIIMS Raipur
8.	Introduction to Diabetes and Hypertension	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	15.02.2023	CG State and AIIMS Raipur
9.	Introduction to Diabetes and Hypertension	Two Days Training Session on NCDs and its Inventory Management for State Pharmacist of CG state	01.03.2023	CG State and AIIMS Raipur

Dr. Pugazhenthan T.

S. No.	Title	CME/Conference	Date	Organised By
1.	Leprosy	Guest speaker in CLRINET	11.07.2022	CLRINET, ONLINE
2.	Essential Tremors updated Guideline	Guest speaker in CLRINET	25.08.2022	CLRINET, ONLINE
3.	Convergence of Multidisciplinary Research in line with NEP-2020	Clinical Investigator - GCP Training Program	11-13.09.2022	University of Kashmir, Srinagar.
4.	ADR Reporting	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	17.09.2022	Royal College Of Pharmacy
5.	Materiovigilance	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	20.09.2022	Columbia College of Pharmacy
6.	Materiovigilance	CME on Pharmacovigilance (Pharmacovigilance Week Activities)	22.09.2022	Kalinga University, College of Pharmacy
7.	Practical aspects in handling Opioid	World Hospice and Palliative Care Day	07.10.2022	AIIMS Raipur
8.	Role of Sponsors	Workshop on "Good Clinical Practices and Ethical Issues in Research Involving Human Subjects"	09.10.2022	GMC Rajnandgaon, Chhattisgarh
9.	Information Brochure	Workshop on "Good Clinical Practices and Ethical Issues in Research Involving Human Subjects"	09.10.2022	GMC Rajnandgaon, Chhattisgarh
10.	Pharmacotherapy of Psoriasis	Guest Speaker in CLRINET	26.10.2022	CLRINET, ONLINE

11.	Internet of Things	Research Perspective on IoT Powered Solutions For Health Care Innovations	04 - 05.11.2022	T.S.M. Jain College of Technology Melur, Kallakurichi - Tamilnadu
12.	Challenges in Clinical Trials in Developing Countries	Advanced Clinical pharmacology Course and GCP	06-07.11.2022	Silchar Medical College, Assam
13.	IVRS	Advanced Clinical Pharmacology Course and GCP	06-07.11.2022	Silchar Medical College, Assam
14.	Introduction of non-communicable Diseases, PBS,	Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	12-13.11.2022	CG State and AIIMS Raipur
15.	Introduction of non-communicable Diseases, PBS,	Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	19-20.11.2022	CG State and AIIMS Raipur
16.	Intellectual Property Rights	MEU Faculty Training / Workshop	29.11.2022	AIIMS Raipur
17.	Introduction of non-communicable Diseases, PBS,	Two Days Residential Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	26-27.12.2022	CG State and AIIMS Raipur
18.	Introduction of non-communicable Diseases, PBS,	Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	24-25.01.2023	CG State and AIIMS Raipur
19.	Introduction of non-communicable Diseases, PBS,	Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	15-16.02.2023	CG State and AIIMS Raipur
20.	Newer Drugs in Leprosy	CME on Leprosy: Leprosy The Elephant At Large	19.02.2023	Department of Dermatology AIIMS Raipur
21.	Introduction of non-communicable Diseases, PBS,	Training Program of C.G. State Pharmacist on Drug Dispensing, Indenting and Inventory Management on commons NCDs mainly Diabetes, Hypertension, drug for Cardiac Care, COPD	01-02.03.2023	CG State and AIIMS Raipur
22.	Newer ANTI TB Drugs	Training & sensitization program on latest NTEP Guidelines.	16-24.03.2023	AIIMS RAIPUR

23.	Molecular Docking against Virus by Traditional Drugs	Ayush Exploration Of Immunomodulator From Siddha Medicines For Communicable Diseases	22.03.2023	Ayush Sponsored Biomedical Research Center, Chennai
24.	Newer Drugs in TB; Pipeline Trials	Pulmonary Updates	11.03.2023	Department Pulmonary Medicine AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Pugazhenthath T	Scientometrics Analysis of Publications on Adverse Drug Reaction of drugs used in leprosy during 2010 - 2021 from various databases: need of the hour	National Conference Regulatory Aspects in Clinical Trials: A Global Outlook	27.04. 2022	SRM MCH & RC, Kattankulathur
2.	Mahesh Kumar Balasundaram, Pankaj Kannuaje, Suryaprakash Dhaneria, Alok Singh	Profile of Potential Drug- Drug Interactions and associated Risk factors in Geriatric Population	67 th Annual Conference of Association of Physiologists and Pharmacologists of India	14-16.04.2022	ESIC, Faridabad
3.	Pugazhenthath T	TEL In leprosy	21st International Leprosy Congress 2022	16-18.04.2022	International Association of Leprosy at Hyderabad
4.	Vurimi Kumar Abhiram, Nitin Gaikwad*, Ujjwala Gaikwad, Keshao Nagpure, Yogendra Keche, S. P. Dhaneria	Modified Antibiotic Spectrum Index (mASI): A novel metric as a quality indicator tool to measure antimicrobial use in hospitals	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College, Mangaluru
5.	Madhusudan Prasad Singh, Nitin Rewaram Gaikwad, Yogendra Keche, Atul Jindal, S P Dhaneria	Active Surveillance of Antimicrobial Use in Paediatric Intensive Care Unit (PICU) of a Tertiary Care Teaching Hospital in Raipur	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College, Mangaluru
6.	G. Meenalotchini, Yogendra Keche, Nitin Rewaram Gaikwad, S P	Antimicrobials Used for Surgical Prophylaxis in Tertiary Care Hospital in Raipur District: A	Annual National Conference National	28-29.10.2022	Department of Pharmacology, Father Muller Medical College, Mangaluru

	Dhaneria	Retrospective Analysis	Association of Pharmacology and Therapeutics (NAPTICON – 2022)		
7.	Mahesh Kumar B, Suryaprakash Dhaneria, Pankaj Kannauje, Alok Singh	Evaluation of effectiveness and safety of first-line drugs used in the treatment of Peripheral Neuropathy among the elderly population: A randomized, open-label, active comparator pilot study	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College, Mangaluru
8.	Yazhini. R, Keche YN, Gaikwad NR, Dhaneria SP	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	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College
9.	Abraham Joseph Kodickal, Sravana Swati, Nitin Rewaram Gaikwad, Yogendra Narayanrao Keche	Assessment of antimicrobial related adverse events reported at ADR monitoring centre at a tertiary care teaching hospital Raipur, Chhattisgarh	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College
10.	Prachi Arunima, Sravana Swathi, Yogendra Narayanrao Keche, Nitin Rewaram Gaikwad	Audit of adverse events following COVID-19 immunization at AIIMS Raipur	Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022)	28-29.10.2022	Department of Pharmacology, Father Muller Medical College
11.	Krishnapriya N, Nitin Rewaram Gaikwad, Yogendra Narayanrao Keche, Pugazhenthan Thangaraju	Analysis of PUBMED indexed articles on Randomised Controlled Clinical Trials of Sodium-Glucose Cotransporter -2 Inhibitors published in the last	Annual National Conference National Association of Pharmacology and Therapeutics	28-29.10.2022	Department of Pharmacology, Father Muller Medical College

		one year	(NAPTICON – 2022)		
12.	Yogendra Narayanrao Keche, Nitin R Gaikwad, S P Dhaneria, Pritam N Wasnik, Keshav Nagpure, Sabah Siddiqui.	Drug prescribing by Beers and STOPP/START criteria and its effect on Health Related Quality of Life in elderly	ISRPTCON 2022	11-12.11.2022	NIMS Hyderabad & ESIC Medical College Hyderabad
13.	Vurimi Kumar Abhiram*, Nitin Gaikwad, Ujjwala Gaikwad, Keshav Nagpure, Yogendra Keche, S. P. Dhaneria	Modified Antibiotic Spectrum Index (mASI): A Novel Metric as a Quality Indicator Tool to Measure Antimicrobial use in Hospitals	4 th National Conference on Antimicrobial Stewardship (ASPICON – 2022)	12-14.11.2022	AMSP Committee, AIIMS Raipur
14.	Madhusudan Prasad Singh, Nitin Rewaram Gaikwad, Yogendra Keche, Atul Jindal, S P Dhaneria	Active Surveillance of Antimicrobial Use in Paediatric Intensive Care Unit (PICU) of a Tertiary Care Teaching Hospital in Raipur	4 th National Conference on Antimicrobial Stewardship (ASPICON – 2022)	12-14.11.2022	AMSP Committee, AIIMS Raipur
15.	G. Meenalotchini, Yogendra Keche, Nitin Rewaram Gaikwad, S P Dhaneria	Antimicrobials used for Surgical Prophylaxis in Tertiary Care Hospital in Raipur District: A Retrospective Analysis	4 th National Conference on Antimicrobial Stewardship (ASPICON – 2022)	12-14.11.2022	AMSP Committee, AIIMS Raipur
16.	Yazhini R, Yogendra Keche, Nitin Rewaram Gaikwad	Utility of Offline and Online Tools to Detect Inappropriate Antimicrobial Prescription in Elderly Population in a Tertiary Care Teaching Hospital, Raipur, Chhattisgarh, India – A Retrospective Analysis	4 th National Conference on Antimicrobial Stewardship (ASPICON – 2022)	12-14.11.2022	AMSP Committee, AIIMS Raipur
17.	Abraham Joseph Kodickal, Nitin Rewaram Gaikwad, Yogendra Narayanrao Keche, Tushar Jagzape, S P Dhaneria	Antimicrobial use Pattern and Clinical Outcome in Paediatric Patients of Age Group 1 – 14 Years with Community Acquired Pneumonia Admitted at a Tertiary Care Teaching Hospital of Central India (an Interim Analysis)	4 th National Conference on Antimicrobial Stewardship (ASPICON – 2022)	12-14.11.2022	AMSP Committee, AIIMS Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Efficacy of Sulfonylurea's in Patients with Polymorphism in KCN.II I-ABCC8 Genetic Locus: A Prospective Cohort Study in Chhattisgarh Type 2 Diabetic Mellitus Patients.	Pugazhenthan T	AIIMS Raipur	2 extended	2021-23	5 lakhs
2.	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 India Pvt Ltd	Till sample size reach (3 yrs)	2021-23	17 lakhs
3.	Effect of CYP2C19 and P2Y12 Genetic Polymorphisms on Platelet aggregation in Patients on Treatment with Clopidogrel in Chhattisgarh Population	Pugazhenthan T	CGCoST	2 extended	2021-23	5 lakhs

Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project/Thesis
1.	Is Tenecteplase Superior to Alteplase in Patients of Acute Ischaemic Stroke: A Systematic Review
2.	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
3.	The Effect of Various Corticosteroids in the Hospitalized Patients with Moderate to Severe COVID -19: A Tertiary Hospital Experience
4.	Clinical Efficacy and Pharmacokinetics of Colistimethatesodium and Colistin in Critically Ill Pediatric Patients Admitted in a Tertiary Care Teaching Hospital in India: A Prospective Longitudinal Observational Pilot Study
5.	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
6.	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
7.	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
8.	A Prospective Observational Study of Anticancer Drugs induced Adverse Drug reactions in Cohort of Cancer Patients in a Tertiary Care Hospital of Chhattisgarh
9.	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
10.	Assessment of Reporting Quality of Drug related Animal Studies Conducted in and outside India from 1st October, 2020 to 31st September, 2023 and Published in MEDLINE Indexed Journals: Adherence to ARRIVE – Updated 2020 Guidelines
11.	Efficacy of Two Doses of Vitamin B12 Supplementation (500 mcg & 1000 mcg) on Glycemic Control in Poorly Controlled Type 2 Diabetic Patients with Hyperhomocysteinemia
12.	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
13.	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
14.	Implementing Antimicrobial Prescription Checklist to Improve Antimicrobial Prescription Quality – A Pilot Project Towards Antimicrobial Stewardship

Completed

S. No.	Project
1.	A profile of use of rituximab in tertiary care Hospital (retrospective observational study)
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).
3.	Repurposing Tenofovir, Emtricitabine and Lamivudine for possible Antileprotic Activities
4.	*Repurposing Thalidomide, its Analogue and Apremilast for possible antiviral in Situation of Severe COVID Cytokine Syndrome
5.	Additional usage of Remdesivir with the standard of Care in Patients with Moderate and Severe COVID-19: A Tertiary Hospital's Experience
6.	Surgical Antimicrobial Prophylaxis in Patients undergoing Clean and Clean-Contaminated Surgery: Adherence to ICMR Guidelines and its Impact on Surgical Site Infection Rate – A Prospective Observational follow-up Study
7.	Impact of Escalation, De-Escalation and Continuation of Empirical Antimicrobial Therapy on Mortality in Patients with Sepsis admitted in High Dependency Unit of a Tertiary Care Hospital
8.	Evaluation of Effectiveness and Safety of First Line Drugs used in the Treatment of Peripheral Neuropathy among the Elderly Population – A Randomized, Open Label, Active Comparator Study

Collaborative Projects

Ongoing

S. No.	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

PUBLICATIONS

- Yogendra Narayanrao Keche. "Geriatric Pharmacology: What to Consider While Prescribing to an Elderly Person?"(Editorial). Acta Scientific Pharmacology 3.12 (2022): 01-03.
- Keche, Yogendra Narayanrao, Gaikwad Nitin R, Wasnik Preetam N, Siddiqui Sabah, Nagpure, Keshao, Dhaneria Suryaprakash. Usefulness of STOPP/START criteria and Beers criteria for prescribing in geriatric patients in a tertiary health care center, Raipur, Central India. Journal of Family Medicine and Primary Care 11(11):p 7064-7071, November 2022. DOI: 10.4103/jfmpc.jfmpc_733_22.

3. Yogendra Keche, Preetam Wasnik, Keshao Nagpure, Nitin Gaikwad, Suryaprakash Dhaneria, Sabah Siddiqui, Apoorva Joshi. Health-Related Quality of Life (HRQoL) in Elderly Patients Attending at Tertiary Health Care Centre in Central India During 1st Wave of COVID-19 Pandemic: A Prospective Observational Study. *OBM Geriatrics* 2022; 6(4), doi:10.21926/obm.geriater.2204216.
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6. Singh A et al. The Profile of Use of Rituximab in Tertiary Care Hospitals of Central India. *Journal of Pharmacy And Bioallied Sciences*. 2022;14(4):p 191-195.
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 36. Thangaraju P, Velmurugan H, N K. Current Status of Pharmacokinetic Research in Children: A Systematic Review of Clinical Trial Records. *Curr Rev ClinExp Pharmacol*. 2022 Dec 23. doi: 10.2174/2772432818666221223155455 . Epub ahead of print. PMID: 36573054.
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symptoms and their duration in Central India: A pilot study. *J Family Med Prim Care.* 2022 Dec;11(12):7850-7856. doi:

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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.	Pugazhenthan Thangaraju, Shoban Babu Varthya	ISO 10993: Biological Evaluation of Medical Devices	Prakash Srinivasan Timiri Shanmugam, Pugazhenthan Thangaraju, Nandakumar Palani, Thamizharasan Sampath	Medical Device Guidelines and Regulations Handbook	1	Switzerland AG.	Springer Nature	2022	163-187
2.	Pugazhenthan Thangaraju, Hemasri Velmurugan	General Hospital Devices and Supplies	Prakash Srinivasan Timiri Shanmugam	Medical Devices A Practical Guide	1	Boca Raton	Taylor & Francis	2022	20
3.	T. Y. Sree Sudha, Hemasri Velmurugan, K. S. B. S. Krishna Sasanka, T. Y. Sri Hari, Yakaiah Vangoori, Pugazhenthan Thangaraju	Implants and Prosthetics	Prakash Srinivasan Timiri Shanmugam	Medical Devices A Practical Guide	1	Boca Raton	Taylor & Francis	2022	32
4.	T. Y. Sree Sudha, Hemasri Velmurugan, K. S. B. S. Krishna Sasanka, T. Y. Sri Hari, Yakaiah Vangoori, Pugazhenthan Thangaraju	Home Health and Consumer Devices	Prakash Srinivasan Timiri Shanmugam	Medical Devices A Practical Guide	1	Boca Raton	Taylor & Francis	2022	34

Edited Book(s) and Monograph(s)

Book(s)

S. No.	Author (s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page - Last page
1	Pugazhenth han Thangaraju , Shoban Babu Varthya	ISO 10993: Biological Evaluation of Medical Devices	Prakash Srinivasan Timiri Shanmugam, Pugazhenth an Thangaraju, Nandakumar Palani, Thamizharasan Sampath	Medical Device Guidelines and Regulation s Handbook	1	Switzerl and AG.	Spri nge r Nat ure	2022	1-385

PATIENT CARE

1. 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.
2. Total No. of ADRs reported from our centre to National Coordinating Centre (April 2022 to March 2023): 256

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Nitin Rewaram Gaikwad

1. Second Prize in Oral Paper Presentation Category, Scientific Paper titled "Modified Antibiotic Spectrum Index (mASI): A novel metric as a quality indicator tool to measure antimicrobial use in hospitals" at NAPTICON – 2022 in Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022), Organized by Department of Pharmacology, Father Muller Medical College, Mangalore – 28th and 29th October 2022
2. Judge for poster session in Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022) organized by Department of Pharmacology, Father Muller Medical College, Mangalore – 28th and 29th October 2022
3. Moderator for Panel Discussion on "Rational use of Antibiotics in ER Setting" in Pediatric Emergency Conference – NAPEM – 2022 organized by Department of Pediatrics, AIIMS Raipur
4. Judge for oral paper presentation in Pediatric Emergency Conference – NAPEM – 2022 Organized by Department of Pediatrics, AIIMS Raipur
5. Chairperson for Scientific Session in ASPICON – 2022 (12th November to 14th November 2022), Organized by AMSP Committee, AIIMS Raipur
6. Quiz Master for Medical Quiz on "Infectious Diseases" at ORIANA – 2022

Dr. Yogendra Narayanrao Keche

1. INSO Award 2022- International Scientist Award on Engineering, Science and Medicine.

Dr. Pugazhenthan T.

1. Elected as Fellow of Royal College of Physician (FRCP, London)
2. Appointed as Coordinator, Materiovigilance Center under PvPI, Department of Pharmacology, AIIMS Raipur
3. Selected by the Faculty of Bioethics to receive a master's degree Scholarship of 80% discount of the total Tuition.
4. Awarded fellowship in international medical sciences academy (FIMSA)
5. Letter of appreciation from directorate of health from Chhattisgarh state for successful completion of

2. Editorial Board Member of Journal- ActaScientific Pharmacology

training for state government pharmacist on non communicable diseases drugs.

6. Copyright: REGISTERED- 2
7. Patents: GRANTED- 10, PUBLISHED -1, FILED-1
8. Honorary Adjunct scientist and Fellow of SIRG, Egypt (13-02-2023 To 12-02-2026)
9. Honorary Adjunct Research Professor (13-02-2023 to 12-02-2025) School of Medical and Paramedical Sciences, ITM (SLS) Baroda University (India)

Other Departmental Achievements

1. PG-Residents – Dr. Nikunj Agrawal, Dr. Mahesh Kumar, Dr. Yazhini R, Dr. Prachi Arunima, Dr. Abraham Joseph K., Dr. Krishnapriya N., Dr. Kiran Rangshahi; PvPI Associate - Ms. Swathi; Deputy Coordinator – Dr. Pugazhenthan T. and Coordinator – Dr. N. R. Gaikwad participated in the Video Making National Level Competition organized by Indian Pharmacopeia Commission, Ghaziabad, National Coordinating Center, Pharmacovigilance Program of India as part of Pharmacovigilance Week and won the consolation prize.
2. Mr. Sohan Paikray, MBBS 2020 Batch Student received consolation prize in both, E-Poster, National Level Competition organized by Indian Pharmacopeia Commission, Ghaziabad, National Coordinating Center, Pharmacovigilance Program of India as part of Pharmacovigilance Week.
3. Dr. Mahesh Kumar B (3rd Year Junior Resident – Academic) and Dr. Joseph Abraham (2nd Year Junior Resident – Academic) won 2nd Prize in National PG Quiz held in Annual National Conference National Association of Pharmacology and Therapeutics (NAPTICON – 2022), Organized by Department of Pharmacology, Father Muller Medical College, Mangalore – 28th and 29th October 2022
4. Dr. Krishnapriya. N won 1st Prize in National PG Quiz held at Pharma Conclave organized by AIIMS Nagpur
5. Dr. Madhusudan Singh, DM Clinical Pharmacology Resident was shortlisted among many

pharmacologists to deliver a talk under “Young Pharmacologist Speaks” category. Talk delivered: “Newer Beta lactams – Beta-lactam Inhibitor Combinations: Future implementation and Rationality”

6. Mr. Vurimi Kumar Abhiram (Guide Dr. N. R. Gaikwad) won First Prize in Paper Presentation in Oral Paper Category, Scientific Paper titled “Modified Antibiotic Spectrum Index (mASI): A novel metric as a quality indicator tool to measure antimicrobial use in hospitals in 4th National Conference on Antimicrobial Stewardship (ASPICON – 2022), Organized by AMSP Committee, AIIMS Raipur – 12th to 14th November 2022
7. Dr. Madhusudan Prasad Singh (Guide Dr. N. R. Gaikwad) won Second Prize in Paper Presentation Oral Paper Category, titled “Active Surveillance of Antimicrobial Use in Paediatric Intensive Care Unit (PICU) of a Tertiary Care Teaching Hospital in Raipur” in 4th National Conference on Antimicrobial Stewardship (ASPICON – 2022), Organized by AMSP Committee, AIIMS Raipur – 12th to 14th November 2022
8. Dr. G. Meenalotchini (Guide Y. N. Keche) won Second Prize in Paper Presentation in Poster Category, titled “Antimicrobials used for surgical prophylaxis in tertiary care

hospital in Raipur district: A retrospective analysis” in 4th National Conference on Antimicrobial Stewardship (ASPICON – 2022), Organized by AMSP Committee, AIIMS Raipur – 12th to 14th November 2022

9. Dr. Abraham Joseph Kodickal (Guide Dr. N. R. Gaikwad) won Third Prize in Paper Presentation, titled “Antimicrobial use pattern and clinical outcome

in paediatric patients of age group 1 – 14 years with community acquired pneumonia Admitted at a tertiary care teaching hospital of central India (an Interim analysis)” in 4th National Conference on Antimicrobial Stewardship (ASPICON – 2022), Organized by AMSP Committee, AIIMS Raipur – 12th to 14th November 2022

VISITING SCIENTIST(S)

1. Dr. S. P. Dhaneria, Professor, RD Gardi Medical College, Ujjain
2. Dr. Chetna Desai, Professor & Head, Department of Pharmacology, BJ Medical College and Civil Hospital, Ahmedabad, Gujrat
3. Dr. Suparna Chatterjee , Professor & Head, Department of Pharmacology, Institute of Post Graduate Medical Education & Research, Kolkata.
4. Dr. Debasish Hota, Professor & Head, All India Institute of Medical Sciences, Bhubaneswar

Department of Physical Medicine and Rehabilitation

Associate Professor & In-charge

Dr. Jaydeep Nandi

Associate Professor

Dr. Amol B Khade (from 20.12.2022)

Assistant Professor

Dr. Raunak Kumar

HIGHLIGHTS

PMR Department is fast becoming a preferred destination for patients suffering from painful and paralytic conditions in the City and the State. NCV analysis, USG guided interventions, Chemodenervation (with botulinum toxin etc) and various other management methods are used to improve patient participation in rehabilitation process. The Prosthesis Orthosis Workshop located in first floor of PMR Building is one of its kind among all new AIIMS and many amputees took the benefit of this affordable service with excellent user satisfaction score.

The 10 bedded PMR ward in the second floor of PMR Building catered to many spinal cord injury, stroke,

brain injury, amputation, cerebral palsy etc patients who often experienced upright standing, unassisted walking or continent bladder and bowel for the first time after a long gap of as long as six years.

EDUCATION

First MD candidate joined in July 2021 session and during the current year two candidates joined to pursue MD PMR in the Department. Dr. Jaydeep Nandi delivered lecture for UG Medicine on 'Stroke Rehabilitation' (08.08.2022) and for ENT UG class on Balance and Gait Rehabilitation (29.08.2022).

LECTURES DELIVERED AT CME'S, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Jaydeep Nandi

S. No.	Title	CME/Conference	Date	Organised By
1.	Balance – Anatomy, Physiology and Neural control'	Annual Conference of Indraprastha Association of Rehabilitation Medicine	12-13.11.2022	Indraprastha Association of Rehabilitation Medicine (Downtown Aravalli Resort, Dharuhera, NCR)
2.	Neuromodulation in poststroke rehabilitation	51 st IAPMRCON 2023-Imphal	09-12.02.2023	Indian Association of PMR (Regional Institute of Medical Sciences, Imphal, Manipur)

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Nandi J, Lakhiya R, Akshay A	Disability following COVID-19, a cross-sectional study	IAPMR Midterm Conference	22.09.2022-25.09.2022	IAPMR and AIIMS Nagpur

RESEARCH

Funded Projects

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Effect of Caudal Epidural Steroid Injection on Electrodiagnostic Parameters in Patients with Lumbosacral: A Double Blinded Randomized Controlled Trial	Dr. Jaydeep Nandi	AIIMS, Raipur	12 months	2021-2022	2,75,000

Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	Prevalence of Respiration Dysfunction amongst Cerebral Palsy Patients in a Tertiary Care Hospital of Central India.
2.	Assessment of Structural Integrity of Plastic Composite Prosthetic Sockets Commonly Available at AIIMS Raipur For Below-Knee Amputees – A Cross-Sectional Study

Completed

S. No.	Project
1.	Factors determining the Efficacy of Guided Intervention based Management of shoulder Adhesive Capsulitis Secondary to Breast Cancer Treatment: A Retrospective Analysis.

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Prevalence Of Peripheral Neuropathy in Patients Of Hyperthyroidism- A Cross Sectional Study.	Department of Medicine, Department of PMR AIIMS Raipur

Completed

S. No.	Project	Collaborating Department/Institution
1.	Disability following COVID – 19: a cross sectional study	AIIMS Rishikesh, AIIMS Jodhpur
2.	Nutritional status of children with cerebral palsy at a tertiary care hospital	Department of Pediatrics

PUBLICATIONS:

1. Nandi J, Yadav R, Lakhiya R, Akshay A. Disability Following COVID-19: A Cross-Sectional Study at an Apex COVID Care Hospital of Central India. Indian Journal of Physical Medicine & Rehabilitation 2022 May-Aug; 32(2): 79-84.
2. Kumar R, Laisram N, Jain N. A prospective study to determine the effect of vitamin D levels on musculoskeletal pain, anxiety, and depressions in patients with type II diabetes. Indian J Pain 2022; 36:84-9.

PATIENT CARE

OPD	IPD	Minor OT	Tests	Special Clinics	Facility
18,275	77	USG guided pain and nerve block procedures - 481 NCV analysis- 198		Paralysis Clinic-336 Amputation Clinic-35	PO Workshop services- 61 Occupational Therapy Service- 662 (till Sept 2022, after that post vacant) Cervical Lumbar Traction- 83 SWD-486 UST-416 CPM-24 IFT-349 (Installed in Sep 2022) TENS-145 (Installed in Sep 2022) NMES-94 (Installed in Sep 2022)

AWARDS, HONOURS AND SIGNIFICANT EVENTS:

1. Dr. Jaydeep Nandi is serving as Executive Body Member (2023-25) of Indian Association of Physical Medicine and Rehabilitation since January 2023, member of Technical Expert Committee for Preparation of Draft Elimination of Lymphatic Filariasis Guideline under the aegis of National Vector Borne Disease Control Program, DGHS, Ministry of Health and Family Welfare during May 2022.
2. Dr. Jaydeep Nandi has cleared the 15th EULAR (2 years) Course on Rheumatic Diseases Certification Examination in September 2022.
3. Dr. Jaydeep Nandi acted as Resource person in the "Basics of Ventilatory Therapy and Cardiopulmonary Resuscitation Course" organized by Department of Anaesthesiology, AIIMS Raipur during 07.10.2022-08.10.2022.

Department of Physiology

Professor & Head of the Department

Prof (Dr.) Ramanjan Sinha

Professors

Prof (Dr.) Meenakshi Sinha

Prof (Dr.) Avinash S. Ingle

Additional Professors

Dr. Ekta Khandelwal

Dr. Jayshri R. Ghate

Associate Professors

Dr. Anil Latiyar (From 29.11.2022)

Dr. Anagha Phadke (From 12.12.2022)

Dr. Upasana Kachroo (From 30.12.2022)

Assistant Professors

Dr. Arunita T. Jagzape

Dr. Dipali K. Chatur

HIGHLIGHTS

A unique Post-graduate-undergraduate interactive workshop was held on "Internet of Things" to develop novel medical devices, which was attended by MBBS Students and conducted by the MD students of the department. Besides, a wide spectrum of extramural and Intramural research are being handled by the faculty with where the total research grant adds up to an approximate valuation of Rs.1,58,08,000. These are being conducted in collaboration with departments of Pulmonary Medicine, OBG, Oncosurgery, Medicine, Dentistry and maxillofacial surgery, Paediatrics, Biochemistry, Psychiatry, Ophthalmology & Endocrinology encompassing AIIMS, Raipur, Pt JNM Medical College, Raipur, School of Life Sciences, Pt RS University, Raipur, etc. which includes high value ICMR & Telemedicine projects. Faculty also received several honors & Awards such as best research paper in cardiovascular physiology, Fellowship of national bodies, chapter in International publications, etc. and presented their research work in National and International fora. Besides, active research is being conducted by PhD & MD students and Senior Residents at different Labs of the department. Also, the faculty contributed their services actively through several posts/ committees of AIIMS, Raipur such as Associate Dean (Examinations), Convener (PhD Program), Faculty In-Charge Telemedicine, Faculty In-Charge Skill & Simulation Lab, library, Medical Education Unit, Animal house, recruitment and

purchase in addition to running regular patient care facility in AFT lab and referred patients for EMG-NCV lab.

EDUCATION

The faculty of the department has imparted training and acted as resource to external and internal medical faculty and students on topics involving Competency Based Medical Education and its related aspects, interpretation of ECG, courses on research methodology, exercise monitoring, holistic approach to yoga, etc. Also, completed training on simulation based education and courses on educational science for health professionals. Besides, faculty conducted innovative research on teaching techniques such as formative assessment of students using "Viva-voce using Objective, Integrated, Clustered Examination Software (VOICES)", an oral assessment app developed by National Informatics Centre, Chhattisgarh State Centre, Govt of India, Ministry of communications & IT. In addition, training of Post Graduate Students are being conducted for essential medical skills using simulators by our faculty in skill lab of the institute. Also, the Post graduate students organized a workshop to train MBBS students on development of medical devices through "Internet of things". Besides, B.Tech (Biomed Engg) students from NIT, Raipur were trained in various techniques such as ECG, AFT, EEG, NCV-EMG and PFT by faculty in their respective labs.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S.No.	Title	CME/Conference	Date	Organised By
1.	Hands-on workshop on Arduino UNO microcontroller based Medical device designing	First "Internet of Medical Things" Hands-on Workshop	25.02. 2023	Department of Physiology, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES**Dr. Ramanjan Sinha**

S.No	Title	CME/conference	Date	Organised by
1.	Awareness of Physiology among Medical Undergraduates: A Perspective	8 th National Conference of Association of Physiologists of India	14.10.2022	Department of Physiology, AIIMS Nagpur
2.	Effective Feedback	Teacher's Training Workshop for Medical Professionals	30.11.2022	Medical Education Unit, AIIMS Raipur
3.	PhD Program at AIIMS, Raipur – how to go about	Foundation Course in Research Methodology for MD and PhD Program	10.02.2023	Dean (Academics), AIIMS Raipur

Dr. Meenakshi Sinha

S.No	Title	CME/conference	Date	Organised by
1.	Application of Chronomedicine in Exercise Physiology ; An Update'	8 th National Conference of Association of Physiologists of India	14.10.2022	Department of Physiology, AIIMS Nagpur
2.	Chronopatterns of Exercise Performance	Online Multidisciplinary Refresher Course in Biological Science, PRSU Raipur.	23.11.2022	PRSU Raipur
3.	Teaching-Learning methods-Large group teaching	Teacher's Training Workshop for Medical Professionals	29.11.2022	MEU, AIIMS, Raipur
4.	Chronotype: A novel indicator of healthy aging	Chrono Update: Virtual symposia on Chronomedicine	22.03.2023	Indian Society of Chronomedicine, Department of Physiology, KGMU, Lucknow

Dr. Avinash S. Ingle

S. No.	Title	CME/Conference	Date	Organised By
1.	Symposium: Practice of clinical cardiorespiratory Physiology	67 th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON)	15.04.2022	Association of Physiologists and Pharmacologists of India (APPI)
2.	CME on Competency Based Medical Education	One day CME on Competency based Medical Education (CBME)	02.07.2022	Shri Balaji Institute of Medical Sciences, Mova Raipur, CG.
3.	CME cum Workshop: ECG in Emergency (Adult and Pediatrics)	National CME cum workshop on ECG interpretation.	30.07.2022	Department of Trauma and Emergency, AIIMS Raipur
4.	Workshop: Medical Education	Teacher's Training Workshop for Medical Professionals	30.11.2022	Medical Education Unit, AIIMS Raipur

Dr. Ekta Khandelwal

S. No.	Title	CME/Conference	Date	Organised By
1.	Symposium on Practice of Clinical Cardiorespiratory Physiology	67th Annual National Conference of Association of Physiologists and Pharmacologists of India	14.04.22 - 16.04.2022	Association of Physiologists and Pharmacologists of India (APPI), ESIC Medical College & Hospital, Faridabad.
2.	Workshop on Objective Structured Practical Examination	Teacher's Training Workshop for Medical Professionals	28.11. 2022	Medical Education Unit, AIIMS Raipur
3.	Yoga: The Holistic approach to Physiological and Psychological Homeostasis	National Workshop on Anatomy of Yoga	4.02.203 - 5.02.2023	AIIMS Raipur

Dr. Arunita Tushar Jagzape

S. No.	Title	CME/Conference	Date	Organised By
1.	Communication Skills: Doctors with colleagues, juniors and seniors.	Sensitization Program on Attitude, Ethics and Communication	18.03.2023	Medical Education Unit, AIIMS Raipur, CG

ORAL PAPERS/POSTERS PRESENTED

S.No.	Authors	Presentation	Conference	Date	Organised by
1.	Pande B, Sinha M, Sinha R.	Sleep-wake and psychosocial behavior of Indians during unlock compared to COVID-19 lockdown condition.	67 th National Conference of Association of Physiologists & Pharmacologists of India	14.04.22 - 16.04.2022	Department of Physiology, ESIC Medical College & Hospital, Faridabad, Haryana –India.
2.	Pande B, Sinha M, Behera AK, Sinha R, Parganiha A, Singh LK.	Impact of severity of chronic obstructive pulmonary disease on cognitive performance and sleep-wake behaviour.	8 th National Conference of Association of Physiologists of India	14.10.22 - 16.10.2022	Department of Physiology, AIIMS Nagpur.
3.	Pande B, Sinha M, Sinha R.	Residual effect of COVID lockdown on the sleep profile and other associated lifestyle and psychosocial behavior: a survey based study.	8 th World Congress of Indian Society of Chronomedicine,	14.12.2023 - 16.12.2022	Indian Society of Chronomedicine at BHU, Varanashi, Uttar Pradesh.
4.	Pande B, Sinha M, Behera AK, Sinha R	The cognitive ability of short-interval time estimation in patients with chronic obstructive pulmonary disorder (COPD)	Indian School in Chronobiology and Chronomedicine-2023 "Time, Medicine and Human Health"	08.01.2023 - 15.01.2023	Indian Society of Chronomedicine In academic partnership with Indian Society for Chronobiology at KGMU, Lucknow, Uttar Pradesh.
5.	Sahu T, Sinha M, Sinha R, Wasnik P, Ingle A, Tikka SK.	Electrophysiological and Psychological Correlates of Cognition in Adult Patients of Homozygous Sickle Cell Disease.	8 th National Conference of Association of Physiologists of India	14.10.2002 - 16.10.2022	Department of Physiology, AIIMS Nagpur.
6.	Jaiswal A, Pande B, Sinha M, Behera AK, Ghate J, Sinha R.	Circadian rhythm of activity and ambient light in association with sleep variables of Asthma patients.	8 th National Conference of Association of Physiologists of India	14.10.2002 - 16.10.2022	Department of Physiology, AIIMS Nagpur.
7.	Khandelwal E	Profile of Vascular Dysfunctions in Type 2 Diabetes Mellitus (T2DM) Patients	33rd International Symposium on the Autonomic Nervous System in Maui, Hawaii, USA	02.11.22 - 05.11.2022	American autonomic Society
8.	Ghate J, Sinha M, Siddiqui S, Mohapatra E.	Medial planter nerve conduction study as a suitable marker of early peripheral neuropathy in Pre-diabetes patients.	8 th National Conference of Association of Physiologists of India	14.10.22 - 16.10.2022	Department of Physiology, AIIMS Nagpur.

9.	Chatur D, Ghate J, Sinha M, Mohapatra E, Siddiqui S.	Heart Rate Variability in Prediabetics: a case-control study.	8 th National Conference of Association of Physiologists of India	14.10.22 - 16.10.2022	Department of Physiology, AIIMS Nagpur.
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RESEARCH

Funded Projects

Ongoing

S.No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Neuro-cognitive & Cardio-autonomic profile 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	2023-2026	37,22,751/-
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 PDF)	Post Doctorate Fellowship program of Cognitive Science Research Initiative of DST, Govt. of India	3 years	2020-2023	24,33,200/-
3.	Electrophysiology of Cognition and its correlation with Neuromarkers in Sickle Cell Disease patients: a case controlled study	Dr. Ramanjan Sinha	AIIMS, Raipur	1 yr	2022-2023	4,96,700/-
4.	Correlation of circadian rhythmicity of Rest-Activity with Heart Rate Variability in Bronchial Asthma & its clinical Implication	Dr. Meenakshi Sinha	AIIMS, Raipur	2 yr	February 2021-January 2023	4,99,500/-
5.	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

6.	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	Two	2023-25	9,93,524/-
7.	A short 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	One	2022-23	2,70,000/-
8.	Evaluation of Chemotherapy induced Cardiac Autonomic Dysfunctions in Cancer Patients of Chhattisgarh	Dr Ekta Khandelwal	CGCOST	2 years	2021-2023	5,00,000/-
9.	Establishment of pilot telemedicine setup for fishermen and fisherwomen as a startup activity at five locations in Chhattisgarh	Dr Nitin M Nagarkar Co-PI Dr Ekta Khandelwal	NCDC, GOI	3 years	2021-2024	50,00,000/-
10.	Association between P53 codon 72 polymorphism and diabetic polyneuropathy in type 2 diabetes mellitus: a pilot study	Dr Jayshri R Ghate	AIIMS Raipur	1 year	2022-2023	4,60,000/-
11.	Prevalence of metabolic syndrome in tribal and non-tribal population of Patan block of Chhattisgarh state: a pilot study	Dr Jayshri R Ghate	ICMR, NIRTH	1 year	2022-2023	4,36,000/-
12.	Formative assessment incorporating "Viva-voce using Objective, Integrated, Clustered Examination Software (VOICES)": A mixed method design	Dr Arunita T.Jagzape	National Informatic Centre, Raipur	1 year	2022-2023	Non-funded
13.	Comparison of efficacy of Flash Visual Evoked Potential (VEP) to Pattern Reversal VEP and their utility in early detection of subclinical ocular changes in Sickle Cell Disease Patients of pediatric age	Dr Arunita T.Jagzape	AIIMS Raipur	1 year	2022-2023	4,97,206/-

	group					
14.	Effect of body fat percentage on nonalcoholic 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.	Correlation study of Endothelial Function & Biomarkers in Patients of Sickle Cell Anemia at Chhattisgarh	Dr Ekta Khandelwal	AIIMS Raipur	1 year	2020-2021	5,00,000/-

Departmental Projects (including thesis/dissertations)**Ongoing**

S. No.	Project
1.	Circadian Rhythm of Rest-Activity and Heart Rate Variability & its relation to Genetic Polymorphism in Asthmatic patients
2.	Effect of Short Term Slow Deep Breathing Practice on Electrophysiological and Biochemical correlates of Neurocognition in Sickle Cell Disease
3.	Impact of Fasting and Fed State on the Cognitive ability of Morning and Evening Chronotypes
4.	Assessment of Cognitive Executive Functions and Chronotype in Overweight and Obese Pediatric Subjects: A Cross Sectional Analytical Study
5.	Assessment of Endothelial Dysfunction in Patients of Chronic Kidney Disease.
6.	Effect of Conventional Therapy on Cardiac Autonomic Functions, and Biochemical Markers among Polycystic Ovary Syndrome Patients
7.	Assessment of Cardiovascular Autonomic Functions in Subclinical Cases of Diabetes
8.	Cardiac Autonomic Neuropathy in New Type 2 DM Patients
9.	Cognitive Dysfunction in Diabetic Neuropathy Patients: An Electrophysiological Approach

Completed

S. No.	Project
1.	Exploring learning process in College Students: Impact of Morning & Evening Chronotypes (ICMR-STs UG Project)
2.	Formative Assessment Incorporating "Viva-Voce Using Objective, Integrated, Clustered Examination Software (VOICES)": A Mixed Method Design (Extramural Non Funded)
3.	Comparative assessment of Facial Nerve Function in Transmassetric and Transparotid approach for Open Reduction and Internal Fixation of Mandibular Condylar Fractures – A Randomised Controlled Trial
4.	Pattern and Profile of Endothelial Dysfunction in Patients of Sickle Cell Anemia
5.	Do Commercially available "Protein Supplements" have an Ill Effect on Cardio Vascular Health of Young Adult Males? – A Pilot Study

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Neuro-cognitive & Cardio-autonomic profile 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.	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
3.	Correlation of circadian rhythmicity of Rest-Activity with Heart Rate Variability in Bronchial Asthma & its clinical Implication	Dept. of Pulmonary Medicine, AIIMS, Raipur
4.	Electrophysiology of Cognition and its correlation with Neuromarkers in Sickle Cell Disease patients: a case controlled study	Dept. of Biochemistry, AIIMS, Raipur
5.	Effect of conventional therapy on cardiac autonomic functions, and biochemical markers among polycystic ovary syndrome patients	Department of OBG, AIIMS Raipur
6.	Assessment of cardiovascular autonomic functions in subclinical cases of Diabetes	Dept. of Medicine, AIIMS Raipur
7.	Evaluation of Chemotherapy induced Cardiac Autonomic Dysfunctions in Cancer Patients of	Dept. of Oncosurgery, Pt. JNM medical college, Raipur
8.	Association between P53 codon 72 polymorphism and diabetic polyneuropathy in type 2 diabetes mellitus: a pilot study	Dept. of Biochemistry, General Medicine and Endocrinology, AIIMS Raipur
9.	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
10.	Comparison of efficacy of Flash Visual Evoked Potential (VEP) to Pattern Reversal VEP and their utility in early detection of subclinical ocular changes in Sickle Cell Disease Patients of pediatric age group	Dept. of Paediatrics & Dept. of Ophthalmology, AIIMS Raipur

Completed

Sl. No.	Project	Collaborating department/institution
1.	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

PUBLICATIONS

1. Showkath N, Sinha M, Ghate J, Agrawal S, Mandal S, Sinha R. EEG-ERP Correlates of Cognitive Dysfunction in Polycystic Ovarian Syndrome. *Ann Neurosci*, 2022; 225-32. DOI: 10.1177/09727531221115318.
2. Sahu T, Pande B, Sinha M, Sinha R, Verma HK. Neurocognitive changes in sickle cell disease: a comprehensive review. *Ann Neurosci* 2022; 1-14. DOI: 10.1177/09727531221108871.
3. Ekta Khandelwal, Mansi Jain, Mahaveer Jain. Profile of Cardiovascular Autonomic Dysfunctions (CAD) in Cancer Patients. *European Journal of Cardiovascular Medicine* 2023; 13(1): 16-19.
4. Ekta Khandelwal, Mahaveer Jain. Vascular dysfunction in patients with type 2 diabetes mellitus. *Ann Clin Neurophysiol* 2023;25(1):1-6 (In-Print).
5. Jagzape A, Jagzape TB. Teacher-led versus student-led seminar blended with portfolio for 'assessment of learning': An interventional study. *J Edu Health Promot*. 2022; 11(1): 339
6. Jain S, Jagzape A, Ganorkar S, Gajbe U, Jain M. Assessment of performance over competence after a simulation-based training among post-graduates of obstetrics. *Journal of education Technology in Health Sciences*. 2022; 9(1): 12-18.
7. Chatur DK, Ghate JR, Bansod NV. Effectiveness of Active Learning Methods as a Supplementary Measure to Routine Didactic Amphibian Experiments in Physiology. *Journal of Clinical and Diagnostic Research*, 2022; 16(11): JC01-JC04. DOI: 10.7860/JCDR/2022/57284.17115

Intellectual Property Rights:

PATENT (APPLIED)	Authors	Number
Audio clip titled "Slow Deep Breathing Technique"	Tarun Sahu, Dr. Meenakshi Sinha, Dr.Ramanjan Sinha	Diary No. 9311/2022-CO/SR
Game Based Learning tool relating to Anaemia	Dr Ankit Gupta, Dr Arunita Jagzape, Dr Tushar Jagzape, Dr.Meenakshi Sinha	Application no. 2021111029447

Abstracts Published in Journal(s):

1. Pande B, Sinha M, Sinha R. Sleep-wake and psychosocial behavior of Indians during unlock compared to COVID-19 lockdown condition. Proceedings of 67th Annual National conference of Association of Physiologists & Pharmacologists of India; April 13-16, 2022; ESIC Medical College and Hospital, Faridabad.
2. Babita Pande, Meenakshi Sinha, Ajoy K Behera, Ramanjan Sinha, Arti Parganiha, Lokesh K. Singh. Impact of severity of chronic obstructive pulmonary disease on cognitive performance and sleep-wake behaviour. Proceedings of 8th Annual National conference of Association of Physiologists of India, ASSOPICON 2022
3. Sahu T, Sinha M, Sinha R, Wasnik P, Ingle A, Tikka SK. Electrophysiological and Psychological Correlates of Cognition in Adult Patients of Homozygous Sickle Cell Disease. Proceedings of 8th Annual National conference of Association of Physiologists of India, ASSOPICON 2022
4. Akriti Jaiswal, Babita Pande, Meenakshi Sinha, Ajoy K Behera, Jayshri Ghate, Ramanjan Sinha. Circadian rhythm of activity and ambient light in association with sleep variables of Asthna patients. Proceedings of 8th Annual National conference of Association of Physiologists of India, ASSOPICON 2022
5. Ghate J, Sinha M, Siddiqui S, Mohapatra E. Medial planter nerve conduction study as a suitable marker of early peripheral neuropathy in Pre-diabetes patients. Proceedings of 8th Annual National conference of Association of Physiologists of India, ASSOPICON 2022
6. Chatur D, Ghate J, Sinha M, Mohapatra E, Siddiqui S. Heart Rate Variability in Prediabetics: a case-control study. Proceedings of 8th Annual National conference of Association of Physiologists of India, ASSOPICON 2022

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.	Sinha, M., Pande, B., Sinha, R.	Chronotype and Its Relation to Healthy Aging	Editor-in-chief: Suresh I. S Rattan Jagota, A.	Sleep and Clocks in Aging and Longevity.	18 th (Part of Book series Healthy Ageing and Longevity)	University of Oxford, UK	Springer Nature, Switzerland	March 2023	391-410

PATIENT CARE

AFT Clinic (Dr Ekta Khandelwal)

Special Clinics Autonomic & Vascular clinic 177

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr.Ramanjan Sinha

1. Chaired scientific session on CME on Role of Nanotechnology in Healthcare held on March 28, 2023

2. Reviewer of Indian Journal of Physiology and Pharmacology and Journal of Postgraduate Medicine.

Dr. M. Sinha

- Awarded title of Fellow of Association of Physiologists of India (FAPI) in 8th ASSOPICON; October 2022, AIMS Nagpur.
- Prof. GK.Pal award for best research work in Cardiovascular Physiology, 2022, 8th ASSOPICON; October 2022, AIMS Nagpur.
- Executive and Governing Body Committee member of Indian Society of Chronomedicine since 2015.
- Executive Committee member of Association of Physiologists of India between 2019-Sept. 2022.
- Member of Local Research Advisory Committee for the development of Model Rural Health Research Unit ICMR-NIRTH, Chhattisgarh State, MoHFW, Govt. of India
- Guest editor in "Frontiers in Sleep" for Update on : "Global Excellence in Sleep: Asia and Australasia"

- Reviewer for (i) Medical Journal of Armed forces India, (ii) Frontiers in Medicine, (iii) Asian Journal of Medical Sciences, (iv) Respiratory Physiology & Neurobiology, (v) Frontiers in Public Health, (vi) Annals of Medicine (vii) Frontiers in Education
- Dr.Babita Pande, working under my mentorship, was awarded Prof. R.K. Singh Best Oral Presentation Award (3rd) for contribution in Chronobiology by Indian Society for Chronomedicine during 8th World Congress of Indian Society of Chronomedicine, December 14-16, 2022 BHU.
- Dr.Babita Pande, working under my mentorship, was awarded 'Young Researcher Award' at 8th World Congress of Indian Society of Chronomedicine, December 14-16, 2022 BHU, India.

Dr. Avinash S Ingle

1. Served as Associate Dean (Examination), AIIMS, Raipur and looked after examination related matters.

Dr Ekta Khandelwal

1. Elected as Executive Committee member of Association of Physiologists of India, 2022.
2. Visiting Faculty in Department of Physiology, Pt JNM Medical College, Raipur for establishing clinical facility for patient care in the field of Autonomic and Vascular Functions, EEG,

Cognitive functions, Nerve conduction studies.

3. Nominated for Workshop on NMCN on the theme: Content Development for National Online Learning Management Platform under MoHFW, Govt of India on December 6, 2022

Dr Jayshri R. Ghate

1. Reviewer for Medical Journal of Armed forces India.

Dr. Arunita T.Jagzape

1. Completed 86th National course on educational science for teachers of health professionals, JIPMER, Puducherry, Department of medical education, 04.04.2022 to 09.04.2022
2. Completed Simulation and skill lab training under MEU, AIIMS Raipur, 23.04.2022, 24.04.2022
3. Completed Advance training trainer on

simulation-based education, AIIMS Raipur, 16.07.2022- 17.07.2022

4. Completed 5th Teacher Training on "Medical Education Technology" for Doctor's of Medical profession, Medical Education Unit, AIIMS Raipur, CG. 28th to 30th November 2022.
5. Judge for the student oral presentations (16th October)2022 at 8th ASSOPICON 2022. Department of Physiology, AIIMS Nagpur.

Department of Psychiatry

Additional Professor & Head of the Department

Dr. Lokesh Kumar Singh

Associate Professor

Dr. Ajay Kumar

Assistant Professors

Dr. Aditya Somani

Dr. Lakshmi Nirisha P (From 16.02.2023)

HIGHLIGHTS

Like every year, this year also World Mental Health Day has been celebrated as World Mental Health Week by the Department of Psychiatry by organizing various programs on different dates from 07.10.2022 to 10.10.2022.

On 07.10.2022, the program "An eve with melody" was organized by the Department of Psychiatry, AIIMS Raipur for the students and employees of the Institute. More than 500 students and other employees of AIIMS Raipur participated in the programme. Under this programme, a short film related to mental health was screened as well as different information related to mental illness and its diagnosis was provided.

On 09.10.2022 rally was organized by the Department of Psychiatry, AIIMS, Raipur. The theme of the rally was "Make Mental Health & Well-Being for All a Global Priority #LETSWALKTHETALK". AIIMS, Raipur employees, students and other people came out on the road in the form of a rally from AIIMS, Raipur and provided various information to the general public about mental diseases and its related diagnosis.

Another program "Patient and Patient's Care Given Activity in Hospital Premises" was organized by the Department of Psychiatry, AIIMS, Raipur on 10.10.2022. Under the program, a positive effort has been made to spread awareness among the people regarding mental illness and diagnosis of mental diseases in a simple way in the form of dramatic acting.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Lokesh Kumar Singh

S. No.	Title	CME/Conference	Date	Organised by
1.	Addressing Mental Health Issues in Tertiary Care Institutions in Chhattisgarh	Consultation on Development of Chhattisgarh State Strategy on integration of NMHP and NPCDCS on cancer component	09.06.2022	Department of Health and family Welfare, Govt. of Chhattisgarh
2.	Stress Management	Orientation Programme – A fresher's workshop for 13th Batch of PGP students	05.07.2022	Indian Institute of Management Raipur
3.	Psychological Well-being of Women with Disabilities	Workshop on Rights of Women with Disabilities: Challenges, Opportunities and Way Forward	17-18.09.2022	National Institute of Technology Raipur & National Commission for Women, New Delhi

4.	Sexual Harassment & Mental Health- How to Heal?	Workshop on Sexual Harassment of Women at the Workplace (Prevention, Prohibition and Redressal) Act 2013	06.12.2022	National Institute of Technology Raipur
5.	Non-Pharmacological Treatment of Insomnia	74 th Annual National Conference of Indian Psychiatry Society ANCIPS 2023	02-05.02.2023	IPS Odisha State Branch Bhubaneswar, Odisha
6.	Introduction and Overview of TELE MANAS	CG District Mental Health Program Workshop on Tele Manas	14.03.2023	NMHP Department of Health and family Welfare, Govt. of Chhattisgarh
7.	Handling Difficult Situation-Suicide & Aggression	CG District Mental Health Program Workshop on Tele Manas	14.03.2023	NMHP Department of Health and family Welfare, Govt. of Chhattisgarh
8.	Handling Problem with Substance Abuse	CG District Mental Health Program Workshop on Tele Manas	15.03.2023	NMHP Department of Health and family Welfare, Govt. of Chhattisgarh
9.	Ethical and Legal Aspects of TELE MANAS Counselling	CG District Mental Health Program Workshop on Tele Manas	15.03.2023	NMHP Department of Health and family Welfare, Govt. of Chhattisgarh
10.	Schizophrenia and its Management	Medical Officer's workshop on Mental Health (Basic) State Mental Health Program, CG.	24.03.2023	Department of Health and family Welfare, Govt. of Chhattisgarh

Dr. Ajay Kumar

S. No.	Title	CME/Conference	Date	Organised By
1.	Ways of Engaging in CBME (AETCOM-Simulation Based Learning, etc	Psychiatry Faculty Training workshop on CBME (UG)	31.07.2022	Indian Psychiatry Society, Bihar state Branch
2.	Taxonomy and Domains of Learning	Medical Education Unit, Faculty Training Workshop	28-30.11.2022	All India Institute of Medical Sciences, Raipur
3.	Large group teaching methods.	CME: Training of Psychiatric Faculty	04-06.03.2023	Kings George Medical College along with IToP forum
4.	Roles of Psychiatrists in Emergency Medical Services	29 th National Conference of Indian Association for Social Psychiatry	18-20.11.2022	Indian Association for Social Psychiatry

Dr. Aditya Somani

S. No.	Title	CME/Conference	Date	Organised By
1.	Empathy in Patient Care & Dealing with Death	Sensitization Program on Attitudes, Ethics and Communication	18.03.2023	Medical Education Unit, AIIMS, Raipur

Dr. Lakhmi Nirisha P

S. No.	Title	CME/Conference	Date	Organised By
1.	Basic Calls Component and Counselling Skills	CG District Mental Health Program Workshop on Tele Manas	14.03.2023	NMHP, Department of Health and Family Welfare, Govt. of Chhattisgarh
2.	Overview of Mental Health Disorder	CG District Mental Health Program Workshop on Tele Manas	14.03.2023	
3.	Handling Psychotic Disorders and Drug Adverse effects	CG District Mental Health Program Workshop on Tele Manas	15.03.2023	
4.	Handling issue in Special Population- Children and Gender Based Violence	CG District Mental Health Program Workshop on Tele Manas	15.03.2023	
5.	Psychiatric Emergencies	Medical officers workshop on Mental Health	24.03.2023	

ORAL PAPERS/POSTERS PRESENTED**Dr. Aditya Somani**

S. No.	Authors	Title	Conference	Date	Organised By
1.	Somani A, Singh LK, Arya S and Ghosh A	Experience of Patients with Substance Use Disorders during the Covid Lockdown Period: across sectional study from tertiary care hospital of Central India	Annual conference of the Central Psychiatric Society	06.11.2023	Central Psychiatric Society and Indian Psychiatric Society- M.P. state branch
2.	Arora M, Singh LK, Somani A	Titration of Buprenorphine and Naloxone Combination Dose in Patients Dependent on Poppy Husk: a Prospective Open Label Study	ADDICON, 2022	03.12.2022	Centre for Addiction Medicine (CAM), NIMHANS, Bengaluru
3.	Arora M, Singh A, Das S, Somani A	Zolpidem Dependence in an Elderly Male Patient with Multiple Medical Comorbidities: a Case Report	Annual Conference of World Association of Social Psychiatry	17.01.2023	Royal College of Psychiatrists (RCPSYCH), London, United Kingdom
4.	Arora M, Das S, Somani A	Deep vein thrombosis in a young female following catatonia for a short duration: a case report.	Annual conference of Indian psychiatric Society (ANCIPS)	03.02.2023	Indian Psychiatry Society- Odisha State Branch

RESEARCH

Funded Project

Ongoing

S.No.	Title	Name Principal Investigator	Funded by	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Development of a multi-modal artificial intelligent system for detection of endophenotypes in schizophrenia using automated speech and EEG signal analysis: An explorative study from Chhattisgarh State	Dr. Lokesh Kumar Singh	DST,Gol	03	March 2020 - March 2023	2538240/-

Departmental Projects – Non-Funded Projects/ ICMR-STC 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.	Digital Media use in Children and Adolescents and its effect on their Health, Psychological & Behavioural Functioning and Family during Covid-19 Lockdown in India
3.	Knowledge about and Attitudes and Practices Towards LGBTQIA+ People Among Medical Undergraduate and Postgraduate Students: across sectional study
4.	Retinal Structure Abnormalities and Facial Emotion Recognition in Unmedicated First Episode Psychosis
5.	Hindi translation and validation of Young's Internet Addiction Test
6.	Effect of Adjunctive Prefronto-Cerebellar Transcranial Direct Current Stimulation(tDCS) on Craving and Relapse Prevention in Patients with Alcohol Dependence Syndrome (ADS): A Randomized Sham Controlled Study
7.	Clinical Correlates of Insulin Resistance in Patients of First-Episode Schizophrenia and their First Degree Relatives – A Cross-Sectional Study
8.	Titration of Buprenorphine and Naloxone Combination Dose in Patients Dependent on Poppy Husk: A Prospective Open Label Study
9.	Utility of Mobile Messages for Encouraging Adherence to Opioid Substitution Therapy in Patients of Opioid Dependence Syndrome using Poppy Husk: A Randomised Controlled Study
10.	Assessment of Platelet Parameters in Patients of Depression

Completed

S. No.	Project
1.	Perceived Utility of Indian Adaptation of Vineland Social Maturity Scale to Measure Contemporary Adaptive Behaviour: A Survey on Professionals

Collaborative Projects

Ongoing:

S. No.	Project	Collaborating Department/Institution
1.	Workplace Violence in a Healthcare Setting and its Psychological Impact on Health Care Workers	St John's Medical College and Hospital, Bengaluru
2.	Pathways to Care in Patients with Drug and Alcohol Dependence: a multi-center study from India	Dept. of Psychiatry, Postgraduate Institute of Medical Education and Research, Chandigarh (along with ten other Institutes)
3.	Feasibility and Impact of an Early Exposure Psychiatry Enrichment Program (EPEP) for the Medical Undergraduates: A Multicentric, Quasi-Experimental Study	Dept. of Psychiatry, AIIMS, Bhopal along with Dept. of Psychiatry, AIIMS, Patna
4.	Efficacy of Yoga Therapy as an Adjunction to the Individualised Homeopathic Treatment on Severity and Frequency of Migraine: A Randomized Controlled Trial	Department of Homoeopathy, Ayurveda and Yunani, AIIMS, Raipur
5.	Association of Serum C-reactive Protein with Postoperative Delirium among Patients undergoing Major Abdominal Surgeries: A Observational Study	Department of Anesthesia and Biochemistry, AIIMS Raipur

Completed

S. No.	Project	Collaborating Department/Institution
1.	A Cross Sectional Survey to Assess the Readiness to Change in Alcohol Dependent Population Among Patients Presenting to Psychiatry OPD, AIIMS RAIPUR.	College of Nursing, AIIMS, Raipur

PUBLICATIONS

- Nandan NK, Singh LK, Tikka SK, Shukla A. Withdrawal Emergent Recurrent Manic Episodes with Use of "Bhukki": A Case Report. Indian J Psychol Med. 2022 Sep;44(5):525-526.
- Shukla A, Nandan NK, Singh LK. Acute Psychosis After Immunization With Whole- Virion Inactivated COVID-19 Vaccine; A Case Report From Central India. J Clin Psychopharmacol. 2023 Jan-Feb 01;43(1):66-67.
- Sahu M, Kumar A, Rao S. Psychological Distress and Coping Among Dental Practitioners During the COVID-19 Pandemic: A Survey From India. Cureus. 2022 Aug 15; 14(8): e28023.
- Sarkar S, Singh LK, Kumar A, Tikka SK. Effect of Adjunctive Prefronto-Cerebellar Transcranial Direct Current Stimulation(tDCS) on Craving and Relapse Prevention in Patients with Alcohol Dependence Syndrome (ADS): A Randomized Sham Controlled Study Protocol. medRxiv. 2022; 2022.08.05.22278474.
- Kumar A, Rathore D, Sisodia A. Application of low-frequency recurrent transcranial magnetic stimulation in the management of aripiprazole-induced akathisia: A case report. Indian J Psychiatry. 2022;64(6):610.
- Singh A, Kumar A, Agrawal A. Am I Being Followed? Dealing with the Dilemma of Patients with Paranoid Schizophrenia in the Age of Digital Marketing. Indian J Psychol Med. 2023 Jan 7;025371762211428.
- Soni P, Kumar A. Is pheniramine dependence associated with secondary psychiatric syndrome? A case report. Arch Ment Heal. 2022; 24(1): 54-55.
- Singh LK, Giri AK, Chhalotre V, Sharma RK, Rao GN, Gopalkrishna G, Somani A.

- Prevalence of Psychiatric Disorders in Chhattisgarh: Findings from National Mental Health Survey. *Indian J Psychol Med* 2023; XX:1-7.
- Arya S, Ghosh A, Mishra S, Swami MK, Prasad S, Somani A, Singh LK, et al. Impact of COVID-19 lockdown on substance availability, accessibility, pricing, and quality: A multicenter study from India. *Indian J Psychiatry*. 2022;64(5):466-472.
 - Somani A, Singh LK. Satisfaction with Psychiatric Teleconsultation Services During COVID-19 Pandemic: Perspective of Service Users. *Indian J Psychol Med*. 2022;44(4):421-423.
 - Nandan NK, Godi SM, Arora M, Sarkar S, Somani A. Concordant Genes, Discordant Disorders: A Case of Simultaneous Onset of Nonidentical Psychosis in Identical Twins. *Prim Care Companion CNS Disord*. 2022;24(3):21cr03046.

PATIENT CARE

Facilities available in the department

- ECT
- tDCS
- rTMS

Department Statistics:

OPD	IPD	Special Clinics	Tele-consultation	Child psychology assessments & therapies	ECT	tDCS	rTMS
20829	319	3943	911	432	196	458	61

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr. Lokesh Kumar Singh, invited by All India Radio Raipur to discuss about social implication of substance use in our society.
- Ajay Kumar has nominated as Co-chairperson, Psychiatry Teachers Forum, Sub-committee, Indian Psychiatry Society.
- Dr. Ajay kumar has nominated as Chairperson: Newsletter committee, Central Zone, Indian Psychiatry Society.
- Dr. Ajay kumar chaired a free paper session and a symposium session in 29th National Conference of Indian Association of Social Psychiatry, Agra from 18/11/2022 to 20/11/2022.
- Dr. Aditya Somani was awarded Travel Fellowship by the Indian Psychiatric Society for the year 2022-23.
- Dr. Aditya Somani has been elected as member of executive committee of Central Psychiatric Society (central zone branch of Indian Psychiatric Society).
- Dr. Aditya Somani has been appointed Assistant Hon. General Secretary of the Indian Psychiatric Society.
- Dr. Aditya Somani has been appointed the Executive Committee Coordinator of the UG Quiz sub-committee of Central Psychiatric Society.
- Dr. Aditya Somani has joined the Early Career Editorial Board of the Asian Journal of Psychiatry and continues to serve on Editorial Boards of *Frontiers in Psychiatry*, *Indian Journal of Social Psychiatry*, *Indian Journal of Behavioral Sciences* and *Indian Journal of Health, Sexuality and Culture*.

Department of Pulmonary Medicine

Professor & Head of the Department

Dr. Sajal De

Additional Professor

Dr. Ajoy Kumar Behera

Associate Professors

Dr. Ranganath T.G.

Dr. Dibakar Sahu

HIGHLIGHTS

The annual intake in DM (Pulmonary Medicine) courses increased from two to four. Dr Amit Kiran Rath, SR (Academic) received a travel grant from the European Respiratory Society to present his abstract.

EDUCATION

Training to the MBBS Students, B.Sc. Nursing students, Residents (JR&SR), Nursing Officers and faculty of AIIMS, Raipur regarding NTEP newer guidelines and daily regimen (DOTS) in collaboration with the state NTEP unit. At present eight DM residents are receiving training in the department. Training of postgraduates of other departments. Faculty of other departments were invited for guest lectures.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S.No.	Title	CME/Conference	Date	Organized By
1.	Pulmonary Medicine Update 2023	A National Symposium on Pulmonary Medicine	11.03.2023	Dept. of Pulmonary Medicine, Critical Care & Sleep Medicine
2.	Sensitization Activities	National Tuberculosis Elimination Programme	16-24.03.2023	Faculty, Senior Residents, Junior Residents, MBBS students, Nursing Officers and Nursing students
3.	COPD Screening Program- Members including Traffic police officers and SIS security guards underwent lung function testing	World COPD Week	16.11.2022	Department of Pulmonary Medicine, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Sajal De

S.No.	Title	CME/Conference	Date	Organised By
1.	Impulse Oscillometry: How and When	Monthly clinical meeting (virtual)	24.09.2023	ICS (Haryana chapter)
2.	Basics and applied of Forced Oscillation Technique	ASSOPICON 2022	15.10.2023	Association of Physiologists of India
3.	Impulse oscillometry & future of spirometry	Monthly webinar	08.07.2023	Chhattisgarh Chest Society

Dr. Ajoy Kumar Behera

S. No.	Title	CME/Conference	Date	Organised By
1.	Management of Genitourinary Tuberculosis	Webinar (CME)	27.06.2022	Medical Learning Hub Viatrix
2.	Acute Respiratory Infection, climate & Human Health	National Programme of Climate & Human Health	23.08.2022	SHRC, Govt. of C.G.
3.	Air Pollution & Human Health issue	National Workshop Air Pollution	28.09.2022-29.09.2022	SHRC, Govt. of C.G.
4.	COPD/ARI/ASTHMA	C.G. National Programme	29.11.2022	CG National Programme of Climate change (CG NPCCH)
5.	COPD/ARI/ASTHMA	C.G. National Programme	30.11.2022	CG National Programme of Climate change (CG NPCCH)
6.	Newer Update of Tuberculosis	NTEP Sensitization for Medical Officers	16.02.2023	Raipur district TB unit
7.	Newer Update of Tuberculosis	NTEP Sensitization for Medical Officers	17.02.2023	Raipur district TB unit
8.	Newer Update of Tuberculosis	NTEP Sensitization for Medical Officers	20.02.2023	Raipur district TB unit
9.	NTEP Guidelines	CME on modern Trends on Tuberculosis for Faculty	24.02.2023	SSIMS, Bhillai
10.	Pulmonary Medicine ILD Update	4 th National Symposium Pulmonary Medicine	11.03.2023	Dept. of Pulmonary Medicine, NTEP, (NHM, CG.)
11.	Newer Update of Tuberculosis	NTEP Sensitization for Faculty on WORLD TB DAY	24.03.2023	NTEP Unit with State TB Cell

Dr. Ranganath T Ganga

S.No.	Title	CME/Conference	Date	Organised By
1.	Role of Pneumococcal	7 th Pfizer Vaccine Summit (virtual)	30.03.2023	Pfizer Ltd

	Vaccination in Adult Population			
2.	Acute Respiratory Illness Surveillance	Dist. Hospital medical officers training programme	15.02.2023	CG GOVT, Aiiims Raipur
3.	Acute Respiratory Illness Surveillance	CHC medical officers training programme	06.02.2023	CG Govt, Aiiims Raipur
4.	Diagnostic Challenges in Lung Cancer	NALCCON 2022	27.01.2023	Aiiims Jodhpur
5.	Home Maintenance Nebulization Current and Future Scenario	Chhattisgarh Chest Society	16.12.2022	Raipur
6.	Role of Antifibrotics in Non IPF ILD	Recent advances in pulmonology	07.12.2022	VIMS, Bengaluru
7.	Management of Chronic Respiratory Disorders	NPCCHH State Govt Medical officers training programme	01.12.2022	SHRC, Raipur
8.	Clinical Case Discussion and Interpreting Chest X ray in OPD	NPCCHH, CG Govt Medical officers training programme	01.12.2022	SHRC, Raipur
9.	Management of Stable COPD	NPHCE, CG Govt, Medical Officer training Programme Raipur	30.11.2022	SHRC, Raipur
10.	Epidemiology and Risk Factor of COPD	NPHCE, CG Govt, Medical Officer training Programme Raipur	04.08.2022	SHRC, Raipur
11.	Airway Foreign Bodies	Chhattisgarh Chest Society	10.06.2022	Raipur
12.	Phenotypic Management of Bronchial Asthma	International Respiratory Conference at KGMU Lucknow	24.04.2022	KGMU, Lucknow

Dr. Dibakar Sahu

S.No.	Title	CME/Conference	Date	Organised By
1.	Airway Disease: Case based Discussion	NAPCON 2021(NATIONAL CONFERENCE)	03.04.2022	Indian Chest Society/NCCP
2.	Sarcoidosis	Pulmonary Medicine update	11.03.2023	AIIMS Raipur

ORAL PAPERS/POSTERS PRESENTED

Dr. Sajal De

S.No.	Authors	Title	Conference	Date	Organised By
1.	Rath AK, Kumar V, Sahu D, De S	Effects of Tidal Expiratory Flow Limitation on Lung Functions, Exercise Limitation and Symptoms Severity in Stable COPD	ERS International Congress 2022	05.09.2022	The European Respiratory Society
2.	Rath A K, Kiran SS, Kundrapu, Jaiswal BP, De S.	Prevalence and Impact of Small Airways Dysfunction Inpatients with COPD	NAPCON 2022	11.11.2022	24th Joint National Conference on Pulmonary Diseases
3.	Kumar V, Dubey A, Chandrakar G, De S.	Small Airways Dysfunction in Patients with Bronchial Asthma: A Pilot Study	NAPCON 2022	11.11.2022	24th Joint National Conference on Pulmonary Diseases

Dr. Ranganath T Ganga

S.No.	Authors	Title	Conference	Date	Organised By
1.	Ganga R, Ravina M, Behera A, Krishna S, Rath A.	Automated Robot Navigation System Assisted Fluor Deoxy Glucose Computed Tomography Guided Intrathoracic Tumor Biopsy: An Analysis of Initial Experience from Central India	NALCCON 2022	27-28.01.2023	Indian Society for study of lung cancer. At AIIMS Jodhpur (ISCLC Best Paper award)
2.	Mohapatra A, Gaikwad U, Ganga R, Sharma P. (Bill and Melinda Gates Foundation Professional	Diagnostic Accuracy of Lipoarabinoman Detection in Pleural Tuberculosis	19- ISID Conference	17-20.11 2022	International Society of Infectious Diseases (ISID) Kuala Lumpur, Malaysia,

	Development award)				
3.	Keche A, Patil G, Ganga R, Sahu D (Best Oral Paper award)	Diagnostic Utility of Galactomannan Antigen for early Diagnosis of Invasive Aspergillosis: A study from Tertiary Care Hospital from Central India Aspergillus in Pulmonary Samples	4- VAMMCON	26-27.02 2023	4- Vidarbha association of medical microbiologist's conference at GMMC, Wardha Maharashtra on
4.	Goyal N, Ganga R, Behera A.	Tumors with Hairs and Muscle is not always a Teratoma: A Rare Case of Spindle Cell Sarcoma	NAPCON	10-13.11.2022	NCCP&ICS Udaipur, Rajasthan

RESEARCH

Funded Projects

Ongoing

S.No	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	National Environmental Health Profile Study	Dr. Ajoy Kumar Behera	Ministry of Environment, Forest & Climate Change	4-years	2019-23	52.57 lakhs
2.	Therapeutic Efficacy of Yoga on Biomedical profile, Anxiety and Sleep Quality Intend of Asthma Patients- Pilot Project	Dr. Ajoy Kumar Behera	AIIMS Raipur, Intramural	1	2022-23	5 lakhs
3.	ICMRS Network of Pulmonary Fibrosis	Dr. Ajoy Kumar Behera	ICMR Hqrs, New Delhi	3	2021-24	45.3 lakhs

4.	Colchicine to Reduce Coronavirus Disease-19 Related Inflammation and Cardiovascular Complications in High-Risk Patients Post-Acute Infection With SARS-COV-2 - A Randomized controlled Trial	Dr.DibakarSahu	George Institute for Global Health India	Till completion of the project	2022- till completion	4 lakhs till date
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Completed

S.No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	An Open Label, Prospective, Non-Comparative, Multicenter, 24 Weeks, Phase Iv Trial to Evaluate Safety and Efficacy of Glycopyrronium/Formoterol/BUdesonide (25mcg/12mcg/400mcg) fixed Dose Triple Combination (FDC) Twice Daily in Patients with Moderate to Sever Chronic Obstructive Pulmonary Disease (COPD)	Sajal De	Cipla	1 year	2022-23	40,000

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

S. No.	Project
1.	Evaluation of Small-Airway Dysfunction in Chronic Obstructive Pulmonary Disease
2.	To Evaluate the Diagnostic Yield and Safety of Medical Thoracoscopy in Patients with Undiagnosed Exudative Pleural Effusion.
3.	Utility of Clinical-Radiological and Analytical Parameters in Predicting Diagnostic outcome among Patients with Exudative Pleural Effusion

Completed

S. No.	Project
1.	Assesment of Respiratory Morbidities and Lung Function in COVID-19 survivors:An Observation Study

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Assessment of cognitive functions & its association with sleep-wake and pattern and light at night (LAN) exposure duration in Chronic Obstructive Pulmonary Disease COPD patients	Dept. of Physiology & Dept. of Psychiatry, AIIMS, Raipur
2.	Correlation of circadian rhythmicity of rest - activity with heart rate variability in bronchial asthma & its clinical implication	Dept. of Physiology AIIMS, Raipur & School of Life Science, PRSU, Raipur
3.	Circadian rhythm of rest- activity and heart rate variability and its relation to genetic polymorphism in asthmatic patients	Dept. of Physiology & Dept. of Biochemistry, AIIMS, Raipur
4.	"Impact of severity of chronic obstructive pulmonary disease on cognitive performance and sleep -wake behaviour"	Dpt. Of Otorhinolaryngology, Head and Neck surgery, AIIMS, Raipur
5.	Intraoperator Repeatability and Intraoperator reproducibility in the Winter, s RED line for measurement of measurement of depth of Impacted Mandibular Third Molar Teeth: A prospective Observational Study	Department of Dentistry

Completed

S. No.	Project	Collaborating Department/Institution
1.	Predictors of mortality among pts Hospitalized with COVID-19 during 1-wave in India,	Dept of Medicine, AIIMS Raipur
2.	Early Biochemical markers in control study outcome of COVID-19 pts admitted in tertiary care Hospital in C.G. India.	Dept. of Biochemistry, AIIMS Raipur.
3.	Multi Disciplinary Managements of COVID-19 Associated Mucormycosis in India	Depts of ENT and HNS, Ophthalmology, Neurosurgery AIIMS Raipur
4.	An Assessment of the Profile & Predictors of Outcome in COVID-19 pts.	Dept. of Biochemistry, AIIMS Raipur.

PUBLICATIONS

- Vashisht K, Goyal B, Pasupureddy R, Na BK, Shin Ho Joon, Sahu D, De S, Chakraborti S, Pandey KC. Exploring the Immunodominant Epitopes of SARS-CoV-2 Nucleocapsid Protein as Exposure Biomarker. *Cureus* 2023;15(2): e34827. doi:10.7759/cureus.34827
- Prasad S, Patel S, Behera AK, Sahu D, Shah S, Nanda R, Mohapatra E. Influence of laboratory biomarkers on inflammatory indices for assessing severity progression in COVID-19 cases. *J Family Med Prim Care*. 2022 May;11(5):2056-2072.

3. Parhad P, Galhotra A, Jindal A, Nagarkar NM, Behera AK. An Assessment of the Profile and Predictors of Outcomes in COVID-19 Patients Hospitalized in a Tertiary Care Institute in Central India. *Cureus*. 2022 Jul 16;14(7):e26909.
4. Hadda V, Nath A, Behera AK, et al. A Delphi consensus statement for the management of post-COVID interstitial lung disease. *Expert Rev Respir Med*. 2022 Sep;16(9):983-995.
5. Mehta R, Nagarkar NM, Behera A, et al. Multidisciplinary Management of COVID-Associated Mucormycosis Syndemic in India. *Indian J Surg*. 2022 Oct;84(5):934-942.
6. Patel S, Mohapatra E, Behera AK, et al. A pilot study to evaluate the changes in venous blood gas parameters and hypoxia biomarkers in health care workers using different kinds of masks. *Lung India* 2023 Mar-Apr ;40(2):134-142.
7. Agarwal A, Aggarwal R, Behera 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 Mar 13;108(4):727-733.
8. C R J, Swain AK, Ganga RT, Halnor D, Avhad A, Khan MS, Ghosh A, Choudhary SS, Yannawar AN, Deshpande S, Patel M, Anne KP, Bangar Y. Efficacy and Safety of Inosine Pranobex in COVID-19 Patients: A Multicenter Phase 3 Randomized Double-Blind, Placebo-Controlled Trial. *Adv Ther (Weinh)*. 2022 Sep; 16:2200159.
9. Dantis, K, Ganga RT, Sahu D. Left pulmonary aplasia with multiloculated effusion and pericardial defects in a young adult: a case report. *Pneumologie*. 2022; 76(09): 626 – 628.
10. Ganga RT, Ravina M, Sahu D, Gupta RK, Pati SK. F-Labeled Fluoro-2-Deoxyglucose Positron Emission Tomography and Computed Tomography in a Large Pulmonary Sclerosing Pneumocytoma with Contralateral Lung Metastasis. *IJNM* :2022 ;37(1):103-104.
11. Ganga RT, Sharma P, Pati SK, Behera AK, Reddy SK. Mycobacterium kansasii and Mycobacterium scrofulaceum dual pulmonary infection in an immunocompetent male: first report from India. *Monaldi Arch Chest Dis*. 2022 Nov 2;93(3). doi: 10.4081/monaldi.2022.2371. PMID: 36325918.

Abstracts Published in Journal(s):

1. Rath AK, Kumar V, Sahu D, De S. Effects of tidal expiratory flow limitation on lung functions, exercise limitation and symptoms severity in stable COPD. *European Respiratory Journal* 2022 60: 1134; DOI: 10.1183/13993003
2. Singh D, Singh BK, Behera AK. A real-time correlation model between lung sounds & clinical data for asthmatic patients. *Int. J. Inf. Technol*. 15, 39–44 (2023).

PATIENT CARE

- Interstitial Lung Disease clinic and Sleep Clinic were inaugurated by Prof.(Dr.) Nitin .M. Nagarkar, Director AIIMS Raipur on 9 September 2022.
- Facilities available in the department.
Total OPD patients- 18652
Total Indoor admission- 1774
- Investigations and procedures-

No.	Procedures	Total patients
1.	Spirometry	4646
2.	Polysomnography	113
3.	Bronchoscopy	614
4.	Pleuroscopy	102
5.	Body Plethysmography	1019
6.	DLCO	822
7.	Forced oscillometry	933
8.	Six-minute walk test	466
9.	Skin Prick Test	79
10.	Bedside chest ultrasonography	703
11.	Respiratory Muscle testing	212

- NTEP – Total slide examined for M Tb- 4050
Positive cases - 97
- CBNAAT
Patients put on DOTS-23

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

Dr. Sajal De

1. Awarded Fellows of the Indian College of Allergy, Asthma, and Clinical Immunology (ICAAI).

Dr Ajoy K Behera

1. Honorable chief minister of Chhattisgarh appreciation award for COVID care and control on Doctors day.
2. Selected as eminent expert committee member of Sophisticated Analytical & Technical Help Institutes (SATHI) Programme by Dept. of Science Technology, Govt of India.
3. Chairperson of State Task Force (NTEP) for the state of C.G.
4. Chaired in C.G. National Programme organised by CGNPCCH.
5. Chaired in National Conference (NAPCON-2022) held at AGRA.
6. As one of panelist for panel discussion of respiratory infection in National Conference (NAPCON-VARANASI).
7. As one of panelist for panel discussion of NTEP guideline in Chestcon-2022 Puri.
8. As a guest lecturer for management of genitourinary tuberculosis organised by Medical learning Hub viatris.
9. As a guest lecturer for the National Programme of Climate & Human Health organised by State Health Resource Centre by Govt. of C.G.
10. Invited to National Taskforce Workshop of NTEP organised by CTD & Gujarat State TB Cell Gandhinagar.
11. Invited to national workshop for ending TB organised by CTD & State TB Cell West Bengal.
12. Principal Investigator National Environment Pollution Control (NEHP) Govt of India.
13. Principal Investigator for ICMR's Network of Pulmonary Fibrosis (INPF).
14. Master trainer for PMDT in India in State of C.G.
15. Organised Mega Health Camp on Occasion of WORLD COPD DAY.
16. Organised sensitization programme for NTEP guideline for senior residents, junior residents, MBBS students, nursing officers, nursing students, faculties.
17. Invited as guest lecturer & chief guest to NTEP programme in Shri Shankaracharya Institute of Medical Science, Bhilai.
18. Subject expert for recruitment of faculty in CGPSC exam.

19. Master trainer for COVID-19 in state of Chhattisgarh.

20. Ministry of Health & family welfare deputed 21 days to the state of Jammu & Kashmir towards providing medical care to Shri Amaranth ji yatra 2022 pilgrimage.

Dr.Ranganath T Ganga

1. Indian society for study of lung cancer **Best Research Paper Award** at NALCCON 2022 at AIIMS Jodhpur on 28th January 2023

2. Member of Emergency Medical Response team for Ministry of Health and Family Welfare, Government of India, at Amarnath Ji yatra 2022 from 11th- 28th July 2022 posted at Sheshnag Base Hospital, Kashmir.



Inauguration of 'Interstitial Lung Disease' Special Clinic

Department of Radio-diagnosis

Professor & Head of the Department

Dr. Narendra Kuber Bodhey

Associate Professor

Dr. Saroj Kumar Pati

Dr. Manish Kumar (from 03.03.2023)

Assistant Professor

Dr. Richa Singh Chauhan (from 05.08.2022)

Dr. Nihar Vijay Kathrani (from 25.08.2022)

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 10 by the end of March 2022 with 4 new PG incumbents in the current year. Four students were admitted to the B.Sc. Radiography course in this year to make a total of 8 seats (Three 3rd year, three 2nd year and two 1st year students). The Passed out students are so far are ten MD (Radiodiagnosis), five BSc. students and six PDCC students.

The Department is conducting PDCC (Cardiothoracic and Vascular Imaging and Interventional Radiology), MD Radiodiagnosis, B.Sc. Medical Technology in Radiography, Collaborative

Ph.D. Course with National Institute of Technology, Raipur.

EDUCATION

Undergraduate:

Classes for undergraduate M.B.B.S. students: – 12

Theory classes for undergraduate B.Sc. Technology (Radiography) students:-55

Practical classes for undergraduate B.Sc. Technology (Radiography) students: - 140

Post-Graduate:

Seminars for Junior & Senior Residents:- 28

Case Presentations (includes long and short cases):- 160

Film Reading sessions:-155

Interdepartmental sessions: - 52

Procedure Teaching:-40

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCE

Prof.(Dr.) Narendra Bodhey

S. No.	Title	CME/Conference	Date	Organised by
1.	Radiology in Tuberculosis	NTEP guidelines Sensitization Programme on Recent Updates in Management of Tuberculosis on World TB Day	24.03.2023	Dept of Pulmonary Medicine, AIIMS Raipur

Dr. Saroj Kumar Pati

S. No.	Title	CME/Conference	Date	Organised By
1.	Role of MRI in Bladder Cancer: Urologist Prospect	UROCON 2022	07.08.2023	Department of Urology, AIIMS Raipur
2.	Role of Imaging in Multiple Myeloma	National Conference on Multiple Myeloma	14.08.2022	Department of Medical Oncology, AIIMS Raipur
3	Imaging Spectrum of ILD on HRCT.	4th National Symposium on Advances in Pulmonary Medicine	11.03.2023	Department of Pulmonary Medicine, AIIMS Raipur

Dr. Richa Singh Chauhan

S. No.	Title	CME/Conference	Date	Organized by
1.	Neuroimaging in the Era of recent CNS Tumor Classification –	National CME On “Recent updates on WHO Classification of CNS Tumors”	10.10.2022.	Dept. of Pathology, AIIMS Rajkot (Online)
2.	Holoprosencephaly Spectrum and Related Disorders: An Algorithmic Approach –	Dr Rajendra Rao ICRI CME on Paediatric Radiology	27.11.2022	Indian Radiology and Imaging Association

ORAL PAPERS/POSTERS PRESENTED**Dr. Saroj Kumar Pati**

S. No.	Authors	Title	Conference	Date	Organised By
1.	Pati S, Bodhey NK, Rajbhar S, Thapnikaivelu S	Coexistence of Extra-Uterine Pelvic Arteriovenous Malformation in a Patient with Complex Adnexal Mass Lesion -- A Very Rare Entity	75 th National conference of Indian Radiological & imaging association	03.02.2023	Indian Radiological and Imaging Association, IRIA 2023, Amritsar

Dr. Richa Singh Chauhan

S. No.	Authors	Title	Conference	Date	Organised By
1.	Chauhan RS, Kathrani N, Saini J, Santosh V, Uppar AM	Prediction of H3 K27M Mutation Status in Thalamic Diffuse Midline Gliomas by Advanced Magnetic Resonance Imaging Biomarkers	AOCR 2022	23.09.2022	Korean Society of Radiology
2.	Chauhan RC, Kathrani N, Saini J, Arvind HR.	Spontaneous Vertebral Arteriovenous Fistula on a Background of Neurofibromatosis type 1 - Transarterial Embolization using Novel	AOCR 2022	23.09.2022	Korean Society of Radiology

		Liquid Embolic Agents			
3.	Chauhan RS, Indoria A Kathrani N, Saini J, Santosh V, Nishant S.	Characterization of Supratentorial Ependymomas from High- grade Glioma Using Radiomics Signature Derived from Diffusion- Weighted MRI	AOCR 2022	23.09.2022	Korean Society of Radiology

Dr. Nihar Kathrani

S. No.	Authors	Title	Conference	Date	Organised By
1.	Kathrani N, Chauhan RS	Xcalibur Aneurysm Occlusion Device (AOD) for post Traumatic Epistaxis due to ICA Pseudo-Aneurysm	Asian Ocean Congress of Radiology 2022	23.09.2022	AOCR 2022 & KCR 2022
2.	Kathrani N, Chauhan RS	Traumatic ICA Pseudoaneurysms and its Management	Neurovascon 22	23.09.2022	Department of Neurosurgery, AIIMS Raipur
3.	Kathrani N, Chauhan RS	Percutaneous Embolization of Spinal Epidural Arteriovenous Fistulae: Report of 2 Cases and Technical Considerations	Asian Ocean Congress of Radiology 2022	23.09.2022	AOCR 2022 & KCR 2022

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/-

2.	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/-
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RESEARCH

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Title
1.	Spectrum of advanced MRI Parameters in Various Posterior Fossa Tumours with 3T MRI.
2.	Spectrum of Chest CT findings beyond 3 months of Moderate to Severe Covid State
3.	Imaging Spectrum in Covid Associated Rhino-Orbital-Cerebral Mucormycosis
4.	Retrospective Analysis of Radiographic Patterns in COVID-19 Patients
5.	Correlation of Computed Tomographic Pulmonary Angiography & Echocardiographic Parameters in Suspected Patients of Pulmonary Thromboembolism.
6.	Spectrum of Real Time Shear Wave Ultrasound Elastography in Various Thyroid Disorders

Departmental Projects (including thesis/dissertations)

Completed

S. No.	Title
1.	Assessment of Ventricular Function and Late Gadolinium Enhancement Patterns in Patients of Non-Ischemic Cardiomyopathy with 3Tesla 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

Collaborative Projects

Ongoing

S. No.	Title	Collaborating Department/Institution
1.	Deep Learning Based Corpus Callosum Segmentation and its Application in Detection of Diseases.	Dept of Electronics & Telecommunication, National Institute of Technology, Raipur.
2.	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
3.	Prevalence Of Respiratory Dysfunction amongst Cerebral Palsy Patients in A Tertiary Care Hospital Of Central India.	Department of Physical Medicine & Rehabilitation, AIIMS Raipur
4.	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
5.	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
6.	Expression of VEGF and PDL-1 in Epithelial Ovarian Carcinomas at a Tertiary Care Centre in Central India	Department of Pathology, AIIMS Raipur
7.	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
8.	Spectrum of Cardiac Events in Acute Ischemic Stroke – a Cross Sectional study in a Tertiary Care Centre	Department of General Medicine, AIIMS Raipur
9.	Study of Immunohistochemical Expression of Programmed Death Ligand 1 (PDL1) and Isocitrate Dehydrogenase 1 in Gliomas	Department of Pathology, AIIMS Raipur

Collaborative Projects

Completed

S. No.	Title	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 Sino-Nasal 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

PATIENT CARE

The total number of investigations in this year is mentioned below:

2022-23		Total
X-Ray		147124
Portable X-Ray		13766
Portable X-Ray (Covid ward)		233
USG	General USG	14155
	Doppler	4078
	ANC	1992
CT Scan	General CT Scan	16128
	Angiography	938
	Covid ward	6
MRI	General MRI	3183
	Special MRI (DTI, MRS, etc)	210
	Contrast MRI	1142
OPG		6744
Mammography		225
Contrast X ray procedure (MCU, RGU & Sinogram)		378
Image guided Interventional Radiology Procedure (DSA, CT Scan & USG)		776
Investigation	MRI	218
Under anesthesia	CT scan/DSA	97
OPD		1123

PUBLICATION

BOOK CHAPTER

S. No.	Author(s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Bodhey NK	Images in Radiology: Concepts of Image Acquisition and the Nature of Images.	M.K. Ahirwal N.D. Londhe Anil Kumar	Artificial Intelligence Applications for Health Care	2022	Oxfordshire (The UK) & Florida (The USA)	CRC Press	2022	49 - 72

Journals

- Chandra A, Verma S, Raghuvanshi AS, Bodhey NK. PCcS-RAU-Net: Automated parcellated Corpus callosum segmentation from brain MRI images using modified residual attention U-Net. *Biocybernetics and Biomedical Engineering*. 2023 Volume 43(2):403-427.
- Atrey K, Singh BK, Roy A, Bodhey NK. A dual-modality evaluation of computer-aided breast lesion segmentation in mammogram and ultrasound using customized transfer learning approach. *Signal, Image and Video Processing (SIVIP)(2023)*, Page 1-9.
- Balpande N, Bodhey NK, Singh S. Cardiac computed tomography pictorial equivalent of angiographic gooseneck sign in a case of atrioventricular septal defect with cor triatriatum sinister. *Heart Views* 2022, 23:235-9
DOI: 10.4103/heartviews.heartviews_47_22
PMID: 36605927
- Panigrahi M, Bodhey NK, Pati SK., Hussain Nighat, Sharma AK., & Shukla AK. Differentiation between various types and subtypes of intracranial meningiomas with advanced MRI. *SA Journal of Radiology*, (2022). 26(1), 1-9. <https://dx.doi.org/10.4102/sajr.v26i1.2480>; PMID: 36337074 PMCID: PMC9634949
- R R, Badole P, Pati S K, Meher J, Venkat N. Tuberculous Skull Base Osteomyelitis With Cerebral Venous Sinus Thrombosis in an Immunocompetent Adolescent: A Case Report. *Cureus* 2022 Apr 06; 14(4): e23865. doi:10.7759/cureus.23865
- Ganga RT, Ravina M, Sahu D, Gupta RK, Pati SK. 18F-labeled fluoro-2-deoxyglucose positron emission tomography and computed tomography in a large pulmonary sclerosing pneumocytoma with contralateral lung metastasis. *Indian J Nucl Med* 2022;37:103-4.
- Kannauje P K, Pandit V, Wasnik P, Pati S K, Venkatesan N. Diagnosing Joubert Syndrome in Two Adult Siblings: A Very Rare Case Report. *Cureus* 14(7): e27042. DOI 10.7759/cureus.27042
- Gangam RT, Sharma P, Pati SK, et al. *Mycobacterium kansasii* and *Mycobacterium scrofulaceum* dual pulmonary infection in an immunocompetent male: first report from India. *Monaldi Arch Chest Dis* DOI:10.4081/monaldi.2022.2371
- Kathrani NV, Chauhan RS, Ramalingaiah AH, Saini J, Devi BI. Percutaneous Embolization of Spinal Epidural Arteriovenous Fistulae: Report of 2 Cases and Technical Considerations. *J Vasc Interv Radiol*. 2023 Mar;34(3):498-500.e3. doi: 10.1016/j.jvir.2022.11.027. Epub 2022 Dec 5. PMID: 36473613.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Narendra Bodhey

1. Chaired a session on "Diagnostic evaluation of interstitial lung disease" at the 4th National Symposium on advances in Pulmonary Medicine – Pulmonary Medicine Update 2023 on 11.03.2023 organised by Dept of pulmonary medicine at AIIMS Raipur.
2. Chaired a session on "Segmental approach to congenital heart disease on CT" at Dr Rajendra Rao ICRI CME on Paediatric Radiology. 26.11.2022 organised by Indian College of Radiology and Imaging with CG chapter of IRIA.
3. Chaired a session on "Imaging of TOF, what radiologist need to know" at Dr Rajendra Rao ICRI CME on Paediatric Radiology. 26.11.2022 organised by Indian College of Radiology and Imaging with CG chapter of IRIA
4. Chaired a session in "First National Conference of IAP-PEM Chapter (NAPEM-2022)" on 05.11.2022 organised by department of Paediatrics AIIMS Raipur.
5. Chaired a session on "Stroke in the Neurovascon 2022" on 25.09.2022 organised by Cerebrovascular society of India and Dept of Neurosurgery, AIIMS Raipur.
6. Participated as a Co-Investigator at the ICMR Network of Pulmonary Fibrosis on organised by AIIMS Delhi.
7. Chaired a session on "Urocon-2022" on 06.08.2022 organized by department of Urology and Renal Transplant, AIIMS Raipur.
8. Member of the Departmental Academic Committee of the Dept of Biomedical Engineering, National Institute of Technology, Raipur.
9. Reviewer on the American Journal of Roentgenology, Indian Journal of Radiology and Imaging, Annals of Cardiac Anaesthesia, South African Journal of Radiology.
10. Guide/Supervisor for the PhD projects at NIT Raipur.
11. Member of the technical Steering committee of the Multicentre Trial on effect of Colchicine on Post covid patients.
12. Subject expert for CG Public Service Commission.
13. Subject expert for Employee State Insurance Corporation

Dr. Saroj Kumar

1. Chaired a session in "Radiology and Imaging" at Dr Rajendra Rao ICRI CME on Paediatric Radiology on 27.11.2022 organized by Indian College of Radiology and Imaging with CG chapter of IRIA.
2. Reviewer of the journal- Journal of Clinical and Scientific Research.
3. Technical expert for CG Medical Services corporation.

Dr. Richa Chouhan

1. Chaired a session on FETOSPECTRUM2023 at National conference of Society of Fetal Medicine on 22.01.2023 organized by Society of Fetal Medicine, Chhattisgarh Chapter.
2. Reviewer of the Journal - Indian Journal of Radiology and Imaging – IJRI, Indographics, Journal of Neurointervention Surgery (JNIS), PLOS One

Dr. Nihar Kathrani

1. Reviewer of the journal Indian Journal Of Radiology and Imaging.
2. Chaired a Session on Pediatric "Neuroradiology case-based Discussion" at Dr Rajendra Rao ICRI CME on Paediatric Radiology on 27.11.2022 organized by Indian Radiology and Imaging Association.

Department of Radiotherapy

Professor and Head of the Department

Prof. (Dr.) Siddhartha Nanda

Assistant Professor

Dr. Manish Kumar Ahirwar

Dr. Papuji Meher (From 09.09.2022)

HIGHLIGHTS

The Department of Radiotherapy 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 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 latest Elekta Versa HD LINAC, Monaco treatment planning system, Ir-192-based HDR Neucletron brachytherapy unit, GE CT Simulator, and Oncentra contouring workstation with brachytherapy planning. Patients benefit from the department's comprehensive range of radiation oncology services, which includes 3D conformal radiotherapy (3DCRT), Intensity Modulated Radiotherapy (IMRT), Image Guided Radiotherapy (IGRT), Volumetric Arc Therapy (VMAT), and brachytherapy. Through its commitment to advanced technology and a highly skilled team, the Department of Radiotherapy (Radiation Oncology)

strives to provide the best possible outcomes for cancer patients. The Department of Radiotherapy (Radiation Oncology) also offers two programs: the MD Radiotherapy program, which admits two students per year, and the Advanced Diploma in Radiotherapy Technology (ADRT) program.

EDUCATION

Postgraduate students: Our PG students receive extensive hands-on training and education in a wide range of radiation therapy techniques, including 3D conformal radiotherapy (3DCRT), Intensity Modulated Radiotherapy (IMRT), Image Guided Radiotherapy (IGRT), Volumetric Arc Therapy (VMAT), and brachytherapy.

Senior residents: We provide comprehensive hands-on training to our senior resident doctors to ensure they can manage cases effectively in our day-to-day OPD and daycare chemotherapy unit.

Nursing students: During their postings, nursing students are given an introduction to the basics of oncology, and we provide practical training on the preparation and delivery of cytotoxic chemotherapy agents to patients with various malignancies.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCE

S.No.	Title	CME/Conference	Date	Organized By
1.	World Cancer Day Celebration	World Cancer Day Celebration and CME	04.02.2023	College Of Nursing & Department of Radiotherapy, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Siddhartha Nanda

S. No.	Title	CME/Conference	Date	Organized By
1.	Radiotherapy in High-Grade Glioma	Brain Tumor Symposium	10.06.2022	Department of Neurosurgery, AIIMS Raipur
2.	Role of Radiotherapy in Prostate Cancer	UROCON	06.08.2022	Department of Urology and Renal Transplant, AIIMS Raipur
3.	Role of Radiation Therapy Solitary Plasmacytoma and Multiple Myeloma	National Conference on Multiple Myeloma	13.08.2022	Department of Medical Oncology, Hematology, and General Medicine AIIMS Raipur

Dr. Manish Kumar Ahirwar

1.	Role of Palliative Radiotherapy in Symptom Management	World Hospice and Palliative care day	8.10.2022	Department of Medical Oncology AIIMS Raipur
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ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organized By
1.	Simran, Nanda S, Ahirwar M. K.,	Targeting Tumor Depth of Invasion: The Key to Effective Nodal Irradiation in Oral Cavity Carcinoma	YROC-2023	26.02.2023	Dr. Ram Manohar Lohia Institute of Medical Sciences, Lucknow
2.	Mishra S. S., Nanda S, Ahirwar M. K., et al.	Dosimetric Comparison Of Volumetric Arc Therapy (VMAT) And Intensity Modulated Radiotherapy (IMRT) For Breast Cancer In Post-mastectomy Patients.	AROICON-2022	01.12.2022	ARO

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Pegfilgrastim Induced Bone Pain Incidence: A	Dr. Siddhartha Nanda	AIIMS, Raipur	3 years	2020-23	4,91,150/-

	Prospective Institutional Study					
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Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Efficacy, Safety, and Pharmacokinetics of Leuprolide Acetate for Injection 3.75 mg Administered in Subjects with Advanced Adenocarcinoma of Prostate: A Randomized, Active Controlled, Comparative, Open Label, multi-center, Phase III Study	Dr. Siddhartha Nanda	Bharat Serums and Vaccines Ltd	8 months	2022-23	5,00,000/-

Departmental Projects – Non-Funded Projects/ ICMR-STs Projects/ Thesis/Dissertations**Completed**

S. No.	Project
1.	Prevention of Extravasation of Chemotherapeutic Agents by Infusing Normal Saline Prior to Starting Chemotherapy.

Collaborative Projects**Completed**

S. No.	Project	Collaborating Department/Institution
1.	TNBC: IHC-based Genomic Profiling and Correlation with the Histomorphology and Outcome	Department of Pathology, AIIMS, Raipur
2.	Factors Determining the Efficacy of Guided Intervention Based Conservative Management of Shoulder Adhesive Capsulitis Secondary to Mastectomy and Radiation Therapy: A Retrospective Cohort Study in a Tertiary Care Centre of Central India	Department of PMR, AIIMS, Raipur

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Hospital Based Cancer Registry, AIIMS, Raipur	NCDIR, Bangalore Department of ENT & Head Neck oncosurgery, AIIMS, Raipur Department of Pathology, AIIMS, Raipur

PUBLICATIONS

1. Ahirwar M, Nanda S, Mishra S and Parida S. Adjuvant Radiotherapy in primary Adenoid Cystic Carcinoma of the Trachea: A Case Series. *Asian Pacific Journal of Cancer Biology*. 7, 4 (Nov. 2022), 361-363. DOI: <https://doi.org/10.31557/apjcb.2022.7.4.361-363>.
2. Mishra S S, Ahirwar M K, & Nanda S. Solitary Extrasosseous Plasmacytoma of Submandibular Gland – Report of a Rare Case. *Indian J Otolaryngol Head Neck Surg*(2023). <https://doi.org/10.1007/s12070-023-03606-7>

PATIENT CARE

OPD	Day Care	Minor OT	Other facilities
9272	2531	484	Number of Moulds prepared 526 Number of CT Simulations done 1242

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

1. Dr. Siddhartha Nanda has received the first prize from AIIMS Raipur for his excellent skill in Hindi language communications and for using the maximum number of Hindi words in official dictations.
2. Dr. Siddhartha Nanda was the Chairperson of a Symposium on
3. Gastrointestinal Cancer at CIMS, Bilaspur. He also chaired multiple sessions in Cancer Update 2023 organized at AIIMS, Bhubaneswar.
4. Dr. Shiv Shankar Mishra received first prize in a poster presentation at AROICON 2022 organized in New Delhi.
5. Dr. Shiv Shankar Mishra has also received the prestigious "ISSN International Best Researcher Award" in recognition of his outstanding contributions to medical research.

VISITING SCIENTIST(S)

Professor (Dr.) G. K. Rath, a distinguished radiation oncologist, Ex. Chief Radiation Oncologist at Dr. BRAIRCH, and Head of NCI Jhajjar, graciously visited the Department of Radiotherapy. During his visit, he had valuable interactions with all the faculty members and postgraduate students. Moreover, Professor Rath generously provided guidance and mentorship to the postgraduate students, offering valuable advice for their future endeavors and career paths. His wisdom and support left a lasting impression on the students, inspiring them to excel in their academic pursuits and contribute meaningfully to the field of radiotherapy.

Department of Transfusion Medicine and Blood Bank

Additional Professor & In-charge

Dr. Sankalp Sharma

Additional Professor

Dr. Ramesh Chandrakar

Associate Professor

Dr. Minal Wasnik

HIGHLIGHTS

Department of Transfusion Medicine in collaboration with Hospital Administration AIIMS, Raipur hosted a National level Meeting on "Review of Blood Transfusion Services (BTS) in India-2023" in collaboration with DGHS, MoHFW, and Government of India. Meeting was organized on 31st January and 1st February 2023 at AIIMS, Raipur under the chairmanship of Prof. (Dr.) Atul Goel, Director General (DGHS), Prof. (Dr.) Nitin M Nagarkar, Director & CEO (AIIMS, Raipur), Dr. Anil, Addl DDG, (DGHS) along with other DGHS officials and 18 state Govt representatives which include Additional Project Directors, Joint Directors of BTS & presented detailed report of BTS of their respective states. An Action plan was made in the meeting for the upgradation of BTS in India in future.

Department organized twelve Voluntary Blood donation camps in collaboration with various Government and non-government organizations with active participation from AIIMS Raipur staff as Blood donors. Charges for donor refreshment were increased from 40/- to 60/- per donor to enhance voluntary donation activity.

An increase in patient load at AIIMS Raipur and functional specialties and superspecialists

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.

Department received funding from 'National Health Mission' to conduct 3 workshops of 2 day each on Immunohematology testing and Blood component preparation for all State Medical Officers & Blood Bank Technicians. New procedures like donor plasmapheresis have also been introduced at Blood Center, AIIMS Raipur.

EDUCATION

Two Post Graduate Residents from the department passed out MD Transfusion Medicine Examination during 2022-23. PG seats at AIIMS, Raipur also has been increased from 04 to 05. Two batches of BSc. MLT has been passed out from in 2022-2023 from Transfusion Medicine and Blood Bank Department. Department has received approval for submission of a BSc MLT course in Blood Bank, Technology for consideration as a full-time undergraduate course.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Sankalp Sharma

S. No.	Title	CME/Conference	Date	Organised By
1.	'Blood Bank Functioning and Hemovigilance'	Review meeting, Government Blood Banks of Chhattisgarh	05.12.2022	National Health Mission, Chhattisgarh
2.	"Autologous stem cell collection & cryopreservation in Multiple Myeloma"	"National conference on Multiple Myeloma"	13.08.2022	Department of Medical Oncology, Department of Clinical Hematology, Department of General Medicine of AIIMS Raipur

Dr. Minal Wasnik

S.No.	Title	CME/Conference	Date	Organised By
1.	Type and Screen Policy	10 th Annual National Conference of Indian Society of Transfusion Medicine, TRANSMEDCON 2022, Indore	23- 25.09.2022	Indian Society of Transfusion Medicine

ORAL PAPERS/POSTERS PRESENTED

S.No.	Authors	Title	Conference	Date	Organised By
1.	Sharma S, Patel S	'Oral Paper' To Derive A Reference Range For Coagulopathic Metabolic Parameters Of Stored RBC And Platelets Units And Evaluate The Effect Of Blood Storage On The Metabolic Profile	TRANSCON 2022B	11-13.11.2022	47 th Annual Conference of ISBT
2.	Sharma S, Patel S, Pandit P	'Poster' To estimate coagulopathy potential of RBC transfusions in multi-transfused patients	37th International Congress of the ISBT, Virtual meeting.	04-08.06.2022	ISBT

3.	Sharma S, Padhi P, Sahu D , Sharma R	'Poster' An Analysis of Factors influencing Survival of Bleeding Patients During First Two Years of Life	ISTH 2022 Congress;	09 – 13.07.2022	ISTH
4.	Wasnik M, Lahare S, Chandrakar R.	Difference in Frequency of A2 Subgroup among Blood Group A & AB in Blood Donors of Central India	10 th Annual National Conference of Indian Society of Transfusion Medicine, TRANSMEDCON 2022, Indore	23- 25.09.2022	Indian Society of Transfusion Medicine
5.	Wasnik M, Pandit V, Sahu D.	Immune Thrombocytopenia Secondary To Covid- 19 Vaccine: A Rare Case.	37 th International Congress of International Society of Blood Transfusion (ISBT)	04- 08.06.2022	International Society of Blood Transfusion (ISBT)
6.	Jain A, Chandrakar R, Wasnik M, Sharma S.	Study of Prevalence of Clinically Significant Minor Blood Group Antigens Among The Whole Blood Donors in A Tertiary Health Care Centre in Central India	37 th International Congress of International Society of Blood Transfusion (ISBT)	04- 08.06.2022	International Society of Blood Transfusion (ISBT)
7.	Sahu D, Wasnik M, Kannauje P.	Evaluation of Clinical Factors Affecting Corrected Count Increment On 1-H And 24-H After Platelet Transfusion	37 th International Congress of International Society of Blood Transfusion (ISBT)	04- 08.06.2022	International Society of Blood Transfusion (ISBT)
8.	Tejaswani P, Sarangi S, Wasnik M, Sharma S.	Effect of Salt Water Loading And Applied Muscle Tension On Incidence of Vasovagal Reactions Among First Time Blood Donors	10 th Annual National Conference of Indian Society of Transfusion Medicine, TRANSMEDCON 2022, Indore	23- 25.09.2022	Indian Society of Transfusion Medicine
9.	Sarangi S, Tejaswani P, Wasnik M, Sharma S.	Evaluation of C: T Ratio As Indicator of Efficiency of Blood Service In Pretransfusion Blood Ordering At Single Tertiary Care Center	10 th Annual National Conference of Indian Society of Transfusion Medicine, TRANSMEDCON 2022, Indore	23- 25.09.2022	Indian Society of Transfusion Medicine

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	01	2023-2024	500,000/-
2.	A Study on Subtypes of Blood Group A at AIIMS, Raipur Chhattisgarh.	Dr. Minal Wasnik	AIIMS, Raipur	02	2021-2023 (1 year extension)	500,000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	To Analyse the Erythrocyte and Platelet Storage Lesions within the Stored Blood and estimate the Coagulopathy Potential of Blood Transfusions to the Multi-Transfused Patients	Dr Sankalp Sharma	AIIMS Raipur	1.5 Years	2021-2023	500,000/-
2.	To analyse Hemostatic Parameters of the Platelet and fresh - Frozen Plasma Transfusion among the Children during the First Years of Life and Propose Best Practice Recommendations for the Age Group	Dr Sankalp Sharma	Chhattisgarh Council of Science and Technology	2.0 years	2021-2023	250,000/-

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

Ongoing

S. No.	Project
1.	Thesis: A comparison study of saltwater loading and isometric exercises with only plain water ingestion in preventing vasovagal reactions among blood donors.
2.	Factors influencing donor motivation and overall satisfaction towards the process of blood donation. Raipur.
3.	A prospective study on acute adverse reactions following transfusion of blood and blood products at AIIMS Raipur.
4.	A prospective study on evaluation of iron stores in regular blood donors by serum ferritin in AIIMS Raipur.
5.	Association of Transfusion Transmitted Infections with ABO and Rh blood group system among blood donors in AIIMS Raipur.
6.	Study of Prevalence of Major Rh (Rhesus) Blood Group System Antigens in Donors at a Tertiary Health Care Centre in Central India.
7.	Role of Patient Blood Management Checklist in improvement of patient specific objectives.
8.	Evaluation of Clinical Factors Affecting Corrected Count Increment on 1-Hour and 24-Hour After Platelet Transfusion.
9.	Analysis of pre donation and post donation hematological parameters in plateletpheresis donors at tertiary care hospital of central India.

Completed

S. No.	Project
1	Study of Prevalence of Major Rh (Rhesus) Blood Group System Antigens in Donors at a Tertiary Health Care Centre in Central India.
2	Evaluation of Clinical Factors Affecting Corrected Count Increment on 1-Hour and 24-Hour After Platelet Transfusion.

Collaborative Projects

Completed

S. No.	Project	Collaborating Department/Institution
1.	Rate of tooth movement in injectable PRP as compared to Micro-Osteoperforation in orthodontic patient – An open label randomised control trial	Department of Dentistry

PUBLICATIONS

1. **Sharma S**, Jondhale S, Patel M, Shukla A, Goel A. Standardizing blood dose using body surface area and analyze the effect of blood storage on hemoglobin increment within pediatric patients. *Acta Haematologica Polonica* 2022; 53, 4: 285–292. <https://doi.org/10.5603/ahp.a2022.0029>
2. **Wasnik M**, Lahare S, Chandrakar RK, **Sharma S**. AINT blood group: A case report on rare subtype of blood group A. *Asian J Transfus Sci* 2022;16:154-5.

Abstracts Published in Journal(s):

1. Sharma S, Patel S, Pandit P, Thirunelvely N, Shukla A, Jondhale S. Clinical transfusion-Clinical Laboratory interface, P290. To estimate coagulopathy potential of RBC transfusions in multi-transfused patients [Abstract]:37th International Congress of the ISBT, Virtual meeting, 4–8 June 2022. *VoxSang.* 2022;117(Suppl 1):6-271. <https://onlinelibrary.wiley.com/doi/full/10.1111/vox.13285>
2. Jain A, Chandrakar R, Wasnik M, Sharma S. P-182: Study of Prevalence of Clinically Significant Minor Blood Group Antigens among the Whole Blood Donors in a Tertiary Health Care Center in Central India. *Vox Sanguinis.* 2022;117 (Suppl. 1):6–271.
3. Wasnik M, Pandit V, Sahu D. P-326: Immune Thrombocytopenia Secondary To Covid-19 Vaccine: A Rare Case. *Vox Sanguinis.* 2022;117 (Suppl. 1):6–271.
4. Sahu D, Wasnik M, Kannauje P. P-261: Evaluation Of Clinical Factors Affecting Corrected Count Increment On 1-H And 24-H After Platelet Transfusion. *Vox Sanguinis.* 2022;117 (Suppl. 1):6–271.

PATIENT CARE

Patient care in number of Blood Units Issued:	Number of Blood Donations:	Number of Voluntary Blood Donation Camps:	Blood Groupings	Apheresis -TPE- Plateletpheresis	Transfusion Transmitted Infection Screening
20316	8001	12	25787	122	8298

AWARDS, HONOURS, AND SIGNIFICANT EVENTS

Dr Sankalp Sharma successfully completed 88th National course on educational science for Teachers of Health professionals from 20th February to 25th February 2023 at JIPMER, Puducherry.

Department of Trauma and Emergency

Professor and Head of the Department

Dr. Debendra Tripathy

Assistant Professors

Dr. Chandan K Dey

Dr. Varun Anand

Dr. Santosh K Rathia

Dr. Naman Agrawal

Dr. Pallavi Shende

Dr. Sudarsan Behera

HIGHLIGHTS

The Department had successfully trained 06 batches of Army *Jawans* (Indo-Tibetan Border Police and Central Border Police Force) in basic emergency care, emergency drugs, hands-on training and live demonstration in triage area. Total 11 academic Junior Residents have joined the post-graduate course in "Emergency Medicine". Total 05 CMEs conducted by the department. Second batch of one (01) year certificate course of 'Pre-Hospital Trauma Technician has passed out and successfully completed the training in 2022. Third batch is ongoing and fourth batch has joined the institute. Bed side hands-on ultrasound training given to Junior and Senior Residents. Training of nursing staff and junior residents of AIIMS in Basic Emergency Care (BEC) including BLS. Training in "triage" given to Nursing staff and Junior Residents. Two batches of DM/super-specialty course in Pediatric Emergency Medicine (PEM) have joined the course. Two faculties from Department of Trauma and Emergency (Pediatrics) and one faculty from Department of Pediatrics are official teachers of the DM course in Paediatric Emergency Medicine. Regular training, teaching and clinical demonstration to junior residents and interns of trauma and emergency. 1457 point care ultrasounds have been done during

patient management in trauma and emergency. 32985 patients were registered in department of trauma and emergency in 2022. 2799 emergency surgical operations done in trauma and emergency operation theater. Residents of emergency medicines have been trained in emergency invasive procedure like Percutaneous Tracheostomy, ICD Insertion, Pericardiocentesis, Central line Insertion, e-FAST and other emergency ultrasound etc.

EDUCATION

Dr. Varun Anand has given workshop training & faculty talk in CME part of the conference cum workshop '7th Emergency medicine Pediatric Advances and Recent Trends' dated 06th December 2020. Concept and importance of triaging and intubation taught to junior residents, interns and undergraduates. 5th and 6th batch of ITBP & CRPF doctors trained by faculties of T&E Dept. Three (03) batches of Pre Hospital Trauma Technician course completed from T&E Dept. Two days training program schedule for fireman staff. Two faculties have been involved in the workshop of nursing training in paediatric emergency procedures "Pediatric Nursing Emergency Preparedness Programme for COVID-19 (PNEPPCO)". Two faculties from trauma and emergency have been identify as pontentail instructor in IAP-Paediatric Advance Life Support.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S.No.	Title	CME/Conference	Date	Organised By
1.	CME cum Workshop on "ECG in Emergency"	National CME cum Workshop	30.07.2022	T&E, AIIMS Raipur
2.	4 th Batch of ITBP and CRPF training (workshop)	Training	16- 31.03.22	T&E, AIIMS Raipur
3.	Pediatric Nursing Emergency Preparedness Programme for COVID-19 (PNEPPCO)	Workshop	22- 23.02.2022	T&E, AIIMS Raipur
4.	5 th Batch of ITBP and CRPF training (workshop)	Training	01- 15.08.22	T&E, AIIMS Raipur
5.	6 th Batch of ITBP and CRPF training (workshop)	Training	01- 15.12.22	T&E, AIIMS Raipur
6.	NAPEM	National CME cum Workshop	04- 06.11.22	Paediatric Department, AIIMS Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Date	Organized By
1.	Comprehensive Symposium on Ultrasound for the Anaesthesiologist (CUSA): 2023 organised by AIIMS Delhi (Talk given by Prof.DebendraTripathy)	Conference	-	AIIMS Delhi
2.	Disaster Risk Reduction (NPDRR) – 2023, organised by ministry of home affairs on 10th-11th March 2023, VigyanBhawan, New Delhi, India (Talk given by Prof.DebendraTripathy)	Conference	-	AIIMS Delhi
3.	NAPEM (Talk given by Dr. Varun Anand & Dr. Santosh K Rathia)	National CME cum Workshop	04.11.22 - 06.11.22	Paediatric Department, AIIMS Raipur

4.	EPICON (Talk given by Dr. Varun Anand & Dr. Santosh K Rathia)	National CME cum Workshop	01.02.23 - 07.02.23	UCMS New Delhi
5.	Pediatric Nursing Emergency Preparedness Programme for COVID-19 (PNEPPCO)- (Talk given by Dr. Santosh K Rathia)	National CME cum Workshop	22.02.23 - 23.02.2022	College of Nursing and Paediatrics, AIIMS Raipur
6.	CME cum Workshop on "ECG in Emergency" (Talk given by Dr. Santosh K Rathia, Dr. Chandan K Dey & Dr. Varun Anand)	National CME cum Workshop	30.07.2022	T&E Dept, AIIMS Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Comparison of Histopathological and clinical cause of death at a Tertiary Care Hospital	Dr. Chandan Kumar Dey	AIIMS Raipur	02 years		2.30 Lakh
2.	Understand the role of miRNAs in modulating the cellular responses of Dendritic Cells (DCs) during post-traumatic sepsis and septic shock	Co-PI (Dr. Chandan K Dey & Dr. Varun Anand)	ICMR	02 years	2022	Extramural Funded
3.	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	Co-PI (Dr. Chandan K Dey & Dr. Varun Anand)	Pharma Company	02 years	2021	Extramural Funded (17 lakh)

4.	Attenuation of haemodynamic response to laryngoscopy and tracheal intubation with intravenous morphine: a randomized comparison of four different timings	Co-PI - Dr. Chandan K Dey	AIIMS Raipur	02 years		Funded
5.	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)	Co-PI - Dr. Santosh K Rathia	AIIMS Raipur	02 years		Funded
6.	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	Co-PI - Dr. Santosh K Rathia	AIIMS Raipur	02 years		Funded
7.	Indian Network for COVID-19 vaccine Active Safety Surveillance in Pregnant Women (INVACS-Pregnancy)" (CO-PI in Extramural project)	Co-PI - Dr. Santosh K Rathia	AIIMS Raipur	02 years		Funded
8.	Bolus Nitroglycerin use in Sympathetic Crashing Acute Pulmonary Edema (BoNUS): A Randomized, Open-label, Active Comparator Pilot Study	PI – Dr Narnan Agrawal	AIIMS Raipur	01 year	2023	Funded

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs.)
1.	Assessment of Spectrum of Preventive Measures Taken By Health Care Providers during COVID-19 Pandemic in	Dr. Varun Anand	AIIMS Raipur	02 years	2018-20	Completed Intramural funded (50,000/-)

	India: A Survey Based Study					
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Departmental Projects – Non-Funded Projects/ ICMR-STC Projects/ Thesis/Dissertations

Ongoing

S. No.	Project
1.	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
2.	Utility of Ultrasound in Diagnosis of Ocular abnormalities in Patients of Head and Maxillofacial Injuries presenting in the Emergency Department
3.	Correlation of Emergency Ultrasound derived Shock Etiology (e-use) with the Definitive Diagnosis in the Emergency Department

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

Collaborative Projects

Ongoing

S. 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.	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	Collaboration with LYFAQUIN
3.	Attenuation of Haemodynamic response to Laryngoscopy and Tracheal Intubation with Intravenous Morphine: A Randomized Comparison of Four different Timings	Collaboration with Anaesthesiology Department
4.	B-VOCAL SCD – Burden of Vaso-Occlusive Pain Crisis: A Cross-Sectional Observational Study among Patients with Sickle Cell Disease in India	Collaboration with Department of Paediatrics

	(CO-PI in Extramural Project)	
5.	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
6.	Indian Network for COVID-19 Vaccine Active Safety Surveillance in Pregnant Women (INVACS-Pregnancy)" (CO-PI in Extramural Project)	Collaboration with INCLEN India

Abstracts Published in Journal(s):

Chapter(s) in Books

S No.	Authors	Chapter	Book	Editors	Edition	City of Publication	Publisher	Year of Publication
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	1 st	Singapore	Springer Nature.	2023

				Gupta				
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

Edited Book(s) and Monograph(s)

Book(s)

S. No.	Author (s)	Chapter Title	Editor	Book	Edition	City of Publication	Publisher	Year of Publication
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

PATIENT CARE

OPD	IPD	Minor OT
32985	27	5288

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Total Six (06) courses of training (15days each) 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.

Department of Urology

Associate Professor & In-charge

Dr. Amit R. Sharma

Assistant Professors

Dr. Deepak Kumar Biswal

Dr. Satyadeo Sharma

HIGHLIGHTS

Department of Urology provided OPD consultations to 19918 patients in the financial year 2022-23. 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. Advanced Video Urodynamic Lab. was started on 26th January 2022, which was first of its kind in Central India region. Renal transplant programme also started in this financial year and two live-related and one cadaver transplant has been done.

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 at Operating Rooms. The department 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	Organised by
1.	Renal Transplant: A Urologist's View	CME: Awareness on Organ Donation	27.11.2022	AIIMS Raipur
2.	Video presentation on "Video Endoscopic Inguinal Lymphadenectomy (VEIL): Lateral Approach Illustrated Step-Wise"	WZUSICON, Nashik	24.09.2022	WZUSICON, Nashik
3.	Tubes in Urology – Which one and when?	WZUSICON, Nashik	24.09.2022	WZUSICON, Nashik
4.	Approach to Neurogenic bladder: Case-based Discussion	USICON, Gurugram	03.02.2023	USICON, Gurugram
5.	Laparoscopic Radical Cystoprostatectomy: Illustrated Step-wise	International UROCON, AIIMS, Raipur	06.08.2022	AIIMS, Raipur

Dr. Deepak Biswal

S. No.	Title	CME/Conference	Date	Organised by
1.	Laparoscopic Radical Nephrectomy	International UROCON, AIIMS, Raipur	06.08.2022	AIIMS, Raipur
2.	Laparoscopic VEIL -Lateral Approach - Our Experience	International UROCON, AIIMS, Raipur	07.08.2022	AIIMS, Raipur

Dr. Satydeo Sharma

S. No.	Title	CME/Conference	Date	Organised by
1.	PSA Screening for Prostate Cancer when, How What Next?	International UROCON, AIIMS, Raipur	05.08.2022	AIIMS, Raipur
2.	Pangs and Plights of a Young Academician in Urology	WZUSICON, Nashik	25.09.2022	WZUSICON, Nashik
3.	International Workshop in Female Urinary Fistulae	LTMC, Mumbai	04.03.2023	ICS, MUMBAI

RESEARCH**Departmental Non-funded Projects/Thesis/Dissertations**

S. No.	Projects
1.	Comparison of Surgical Outcome and Donor 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.	Comparative study of Percutaneous Nephrolithotomy and Retrograde Intrarenal Surgery in Patients with Renal Stone Measuring <20mm.
3.	Comparison of Narrow Band Imaging with White Light Imaging in Detecting Non-Muscle Invasive Bladder Cancer.
4.	Video-Endoscopic Inguinal Lymphadenectomy (VEIL) as An Alternative to Open Inguinal Lymph Node Dissection in Patients with Squamous Cell Carcinoma of Penis.

Collaborative Non-funded Projects:

S. No.	Project	Collaborating Departments/ Institutions
1.	Extent of Pelvic Lymphadenectomy during Radical Cystectomy-a Multi-Institutional open Label Randomized Trail between Standard and Extended Pelvic Lymphadenectomy	Department of Anaesthesiology, Department of Radiodiagnosis, Department of Pathology, AIIMS Raipur, Department of Urology, AIIMS New Delhi, AIIMS Bhuvaneshwar, AIIMS Rishikesh & AIIMS Jodhpur

Collaborative Funded Projects:

S. No.	Project	Collaborating Departments/ Institutions
1.	Efficacy, Safety, and Pharmaco-kinetics of Leuprolide Acetate for Injection 3.75mg (Depot) Administered in Subjects with Advanced Adenocarcinoma of Prostate: A Randomized, Active Controlled, Comparative, Open Label, Multi-Centre, Phase 3 study.	Department of Radiotherapy, AIIMS Raipur

PUBLICATIONS

1. Sharma A, Biswal D, Sharma S, Roy K. Report of testicular tumour in a toddler: management beyond the testis. *Therapeutic Advances in Urology*. 2023;15. doi:10.1177/17562872221148382
2. 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 J Pathol Microbiol* [Epub ahead of print] [cited 2023 Apr 27]. Available from: <https://www.ijpmonline.org/preprintarticle.asp?id=345889>

CHAPTER IN BOOK:

S.No	Author(s) of Chapter	Chapter Title	Name of the Editor	Name of the Book	Edition	City of Publication	Publisher	Year of Publication	First page - Last page
1.	Amit Sharma	Operative Techniques and Outcomes in Laparoscopic Radical Nephrectomy	John Camilleri-Brennan	Current Concepts and controversies in Laparoscopic Surgery	1	London	Intech Open Limited, 5 Princess Gate Court, London, SW72QJ, United Kingdom	2022	1-13

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

OPD	Special Clinics	IPD admissions
19918	244	1003

Major Surgery at Main OT	Daycare Procedures	Emergency OT
737	1716	233

Uroflowmetry	Urodynamic Study	OPD Procedures
1578	377	3300

AWARDS, HONOURS & SIGNIFICANT EVENTS

1. Organized International UROCON 2022 at AIIMS, Raipur, on 6th and 7th August, 2022.
2. Started Urodynamic Studies at AIIMS Raipur.
3. Started Renal Transplant Programme.

Central Library

Chairman of Library Committee

Prof. (Dr.) Siddhartha Nanda

Member-Secretary Library Committee

Dr. Rupa Mehta

Members Library Committee

Dr. Santhosh Rao

Dr. Binu Mathew

Dr. Chetan Anand

Dr. Pranita

Dr. Amritava Ghosh

Dr. Jaydeep Nandi

HIGHLIGHTS

The Central Library has a rich collection of about 10560 books and 167 thesis, 965 e-journals, 37 Magazines, 16 News paper (English & Hindi) and addition to online databases covering e-Journals and e-books.

Resources and online Databases

Clinical Key Databases, ERMED Consortium, Up To Date databases, Grammarly Web Tool, Koha Library Software, Ithenticate software, Remote Xs, 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 24x7 from Monday to Saturday, on weekdays and 9.00AM to 9.00PM 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.

Librarians:

Miss. Pushpalata Bhalla

Mrs Rashmi Sharma

Following are the programs conducted during 2021-22

1. Online Training program of Grammarly Web Tool on 06.4.2022 for Faculty, JR, SR and student at 3.00 PM to 4.00 Pm.
2. NML ERMED Consortium webinar(BMJ) for faculty, SR,PG Student on 09.05.2022 at 3.00 PM to 4.00 Pm
3. NML ERMED Consortium webinar (Lippincott W& Company. for Faculty on 10.05.2022 at 3.30 to 4.15 PM.
4. NML ERMED Consortium webinar (OUP) for PG Student 17.05.2022 at 3.00 to 4 PM.

In -house training to its staff members enhances the access of the resources that the library is subscribing, to facilitate linking between databases, books and journals articles for better retrieval. The notable databases till date are as follows-

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 the Professor in-charge as Chairperson and 7 other members from various departments and the Librarian as the Coordinator.

5. NML ERMED Consortium webinar (CUP) for PG student 18.05.2022 at 3.00 to 4 PM.
6. NML ERMED Consortium webinar (Wiley) for PG student 26.05.2022 at 1.00 to 2.00 PM.
7. SCOPUS Demonstration program for faculty, SR, PG Student 01.12.2022 at 3.30 to 5.00 PM.
8. Clinical key Demonstration program for faculty, SR, PG Student for 02.12.2022 at 3.00 to 4.30 PM.
9. ERMED (OVID) Webinar program for faculty, SR, PG Student for 23.03.2023 at 3.00 to 4.00 PM.

Institute Research Cell

Dean (Research)

Prof. (Dr.) Sarita Agrawal

Associate Dean (Research)

Prof. (Dr.) Subrata Singha

Institute Research Review Committee (IRRC)

Responsibilities of IRC

1. Reviewing and approving intramural research projects.
6. Strengthening and facilitating medical research and innovation.

Sl no.	Name of Faculty Members	Designation
1	Prof. (Dr.) Sarita Agrawal, Dean (Research) and Professor & HoD Department. Obstetrics and Gynaecology	Chairperson
2	Prof. (Dr.) Subrata Singha, Associate. Dean (Research) and Professor. Department. of Anaesthesiology	Co-Chairperson
3	Prof. (Dr.) Meenkshi Sinha, Professor, Department of Physiology.	Member
4	Prof. (Dr.) Rachita Nanda, Professor, Department of Biochemistry	Member
5	Prof. (Dr.) Debajyoti Mohanty, Professor, Department of General Surgery	Member
6	Dr. Atul Jindal, Additional Professor, Department of Paediatrics	Member
7	Dr. Nilaj Kumar Bagde, Additional Professor, Department of Obstetrics and Gynaecology	Member
8	Dr. Preetam Wasnik, Additional Professor, Department of General Medicine	Member
9	Dr. Ujjwala Gaiwad, Additional Professor, Department of Microbiology	Member
10	Dr. Nitin Borkar, Additional Professor, Department of Paediatric Surgery	Member
11	Dr. Anjan Kumar Giri, Additional. Professor. Department. Community & Family Medicine	
12	Dr. Satyajit Singh, Associate Professor, Department of Cardiology	Member
13	Dr. Habib MD Reazaul Karim, Associate. Professor. Department. Anaesthesiology	
14	Dr. Swapnil Prabhakar Akhade, Associate Professor, Department of FMT	Member
15	Dr. Pugazhenthan. T, Assistant Professor, Department of Pharmacology	Member
16	Dr. Santhosh Rao, Additional Professor, Department of Dentistry	Member secretary

2. Monitoring ongoing research within the institute.
3. Allocating grants for intramural funding.
4. Monitoring funds from extramural grants.
5. Providing research methodology training to students and faculty.
7. Ensuring ethical oversight and compliance for research projects.
8. Promoting collaborations and partnerships between researchers.
9. Encouraging interdisciplinary research initiatives.
10. Disseminating research findings through conferences and publications.

11. Allocating research resources and facilities for equitable access.
12. Monitoring research outcomes and impact for evaluation.
13. Providing mentorship and support to early career researchers.
14. Ensuring quality assurance in research practices.
15. Identifying research priorities in alignment with the institution's vision.

Main Objectives of the IRC:

1. Enhance research collaboration with national and international institutions.
2. Promote interdisciplinary research within the institute.
3. Establish research consortia for focused projects.
4. Increase extramural funding for expanded research scope.
5. Encourage translational research for practical applications.
6. Improve research infrastructure and facilities.
7. Engage the community in research activities.
8. Implement data sharing policies for transparency.
9. Support early career researchers with mentorship.
10. Establish research centers of excellence.

Ongoing Research Activity

1. **Periodic IRRC Meetings:** Regular IRRC meetings ensure thorough review and approval of research proposals, maintaining scientific standards.
2. **Development of Online Proposal Management System:** Collaborating with NIC, the Research Cell streamlined proposal submission and review, improving efficiency.
3. **Establishment of Clinical Research Unit:** Under the leadership of the Dean (Research), a dedicated Sub-Committee was formed to establish a Clinical Research Unit (CRU) within the institute aimed to strengthen clinical research endeavors and promote impactful investigations.
4. **Quality Control and Monitoring:** Rigorous monitoring and status updates ensure timely identification of challenges in ongoing projects.
5. **Support through Intramural Grants:** Financial assistance of up to 5 lakh rupees provided for promising projects.
6. **Statistical Software STATCRAFT:** Acquired and distributed STATCRAFT to empower researchers with advanced statistical analysis.

These initiatives underscore AIIMS, Raipur's commitment to fostering research excellence and advancing medical knowledge through systematic and impactful research activities.

Research Ongoing Status:

Intra Mural Research:

Particulars	Total	Total Amount Sanctioned
Total Proposal Reviewed	68	
Fund Approved	10	Rs. 49,39,293
Non –Funded Approved	39	
PI reply pending	09	
Withdrawn	6	
Rejected	4	

Extramural Research

Particulars	Total
Total Proposal Received	29

MoUs of AIIMS, Raipur with other Organizations/Institutions

AIIMS, Raipur, has established Memorandums of Understanding (MoUs) with several prestigious organizations and institutions to foster collaboration and promote research and academic activities. The list of MoUs includes:

1. Indian Institute Management, Raipur
2. National Institute of Technology, Raipur
3. Indian Institute of Technology, Bhilai

These MoUs play a vital role in promoting research, sharing expertise, and enhancing academic and healthcare services through collaborative efforts between AIIMS, Raipur, and these esteemed organizations and institutions. The partnerships facilitate

the exchange of knowledge and resources, ultimately benefiting healthcare advancements and research outcomes.

Responsibilities of IRC:

The IRC is responsible for reviewing and approving intramural research projects, monitoring ongoing research, allocating grants, providing research methodology training, ensuring ethical oversight, promoting collaborations, and more.

Main Objectives of IRC:

The IRC aims to enhance research collaboration, promote interdisciplinary research, establish research consortia, increase extramural funding, encourage translational research, improve research infrastructure, engage the community, and support early career researchers.

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 Department 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., LLB	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, Near Kendriya Jal Ayog, Bada bhawani nagar, Kota, Raipur	Male
8	Mr. Mahadeo Katulkar	B.A., M.A., LLB	Legal Expert	Retired Principal District and Session Judge, Chhattisgarh	Male
9	Dr. Shailesh Kurnar Jadhav	M.Sc., Ph.D. Botany, Biotechnology and Microbiology	Lay Person	Professor, School of Studies in Biotechnology, Pt. Ravishankar Shukla University, Raipur, 492010 (Chhattisgarh)	Male
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,	Male

				AIIMS Raipur	
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 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.

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

					al			
2021-22	290	286	-	01	02 after approval	03	04	276
2022-23	256	255	-	01	01 after approval	02	05	200
Total	1340	1318	01	11	36	169	1062	

* Including Faculty, SR, PG thesis, DNB, Ph.D, PDCC, DM/MCH, MPH, Nursing, MBBS and ICMR-STS projects.

IEC Meetings held during 2022-23

Total no. of meeting held during 2022-23: Four (04) – full board and Six (06) Sub – committee meetings.

Details of meetings held

Date of Meeting	No. of research projects reviewed*	Approved/ Provisionally approved	Rejected	Exemption	Terminated	Sent for revision
23.04.2022	39 (38 new, 01 revised)	38	-	01	-	-
10.06.2022 (sub-committee meeting)	03 (03 new)	03	-	-	-	-
25.06.2022 (sub-committee meeting)	29 (29 new)	29	-	-	-	-
23.07.2022	37 (37 new)	37	-	-	-	-
23.08.2022 (sub-committee meeting)	01 (01 new)	01	-	-	-	-
17.09.2022 (sub-committee meeting)	41 (38 new, 03 revised)	41	-	-	-	-
15.10.2022	48 (48 new)	45	-	01	-	02
10.12.2022 (sub-committee meeting)	17 (17 new)	14	-	01	-	02

21.01.2023	26 (25 new, 01 revised)	25	-	01	-	-
18.03.2023 (sub-committee meeting)	22 (22 new)	21	-	01	-	-

* Including Faculty, SR, PG thesis, DNB, Ph.D, PDCC, DM/MCH, MPH, Nursing and ICMR-STC projects.

IEC decision on projects reviewed during 2022-23 (as on 31.03.2023)

Total no. of project reviewed	256 (submitted 258 but 2 not reviewed)
Total no. of project approved	250
Total no. of project Exempted	05
Total no. of project rejected	00
Total no. of project for revision	01
Total no. of project Terminated	03 (02 before and 01 after approval)

Status (Ongoing/Completed/Terminated) during 01.04.2022 to 31.03.2023

Total no. of ongoing projects (as on 31.03.2022)	200 (919)
Total no. of completed projects	05 (308)
Total no. of Terminated	03 (53)
Total no. of Rejected	00 (01)
Total no. of Pending	49 (58)
Total no. of projects sent for revision	01 (03)
Total no. of projects	258 (1342)

Note – Number in bracket indicates the cumulative figure.

Details of approved research projects during 2022-23 (as on 31.03.2023)

Total no. of funded projects (Extramural projects)	29
Total no. of funded projects (Intramural projects)	28

Details of approved Extramural funded projects (N=29)

Total no. Pharmaceutical industry sponsored projects	12
Total no. Government agency & other sponsored projects	17

Note: 01 Pharmaceutical Project was terminated by PI after approval

Serious Adverse Events (SAEs) and deaths SAEs analysed by IEC-AIIMS Raipur during 01.04.2022 to 31.03.2023

Total no. of Serious Adverse Events (SAEs)	55
Total no. of deaths SAEs	11

School of Public Health

Faculty

Prof.(Dr.)Anilk Goel, Course Coordinator MPH, Professor & HoD Pediatrics

(From 16.02.2023)

Prof. (Dr.) Abhiruchi Galhotra, Professor Dept. of CFM

(Till 17.02.2023)

Senior Residents

Dr. Nitin Agrawal

Dr. Sonal Dayama

Dr. Saurabh Sahu

HIGHLIGHTS

The School of Public Health, AIIMS Raipur, successfully entered the Fourth year of its establishment with a fresh intake of 6 candidates in session 2022-23. The following activities were done by students of MPH in collaboration with respective departments.

1. World Organ Donation Day-2022; Date: 13/08/2022 in collaboration with Nephrology Department, Activities organized were: Walkathon (अंगदानमहादान), Poster Competition, and Continuing Medical Education (CME).
2. World Kidney Day-2022; Date: 10/03/2022 in collaboration with Nephrology Department, Activities organized were: General Public Awareness Program, Sports events of carom, chess, for Kidney patients, visit to the Peritoneal and Hemodialysis unit for health care workers, orange lighting of the Medical College building, Poster Competition, Inauguration of the Telemedicine unit for Dialysis patients from remote areas in Chhattisgarh, and Continuing Medical Education (CME).
3. International Women's Day-2022; Date: 08/03/2022, in collaboration with Department of ENT Activities organized were: Public Awareness Programs in the institution and for pregnant females at PHC Hirapur, health check-ups camp for female sanitation workers.
4. An assessment of Routine Immunization in urban Raipur under the guidance of Dr. Nitin Patil, Health Officer, WHO (26th-31st December 2022).
5. Situational Analysis of Tobacco Cessation Centers (TCC's) of 5 Districts of Chhattisgarh (Durg, Dhamtari, Bilaspur, Kanker, Jagdalpur) was conducted from 23.01.2023 to 28.01.2023.
6. Independent Evaluation of Dialysis Services under Jeevan Dhara Scheme in which external audit of dialysis services of 2 districts of Durg division (Durg & Rajnandgaon) was conducted from 24.01.2023 to 27.01.2023 by Dr. Abhiruchi galhotra, Dr. Vinay Rathore, Dr. Rohit Badge & MPH students.
7. Kayakalp activity in various Departments (Obstetrics-gynecology, Pediatrics, Dermatology, Hematology, Plastic Surgery, Neurology, Neurosurgery, CTVS) AIIMS Hospital was conducted from 10.02.2023 to 16.02.2023.

Continuing Health Promotion Activity for typhoid, asthma, WASH, hypertension, dengue fever, Heat stroke, dehydration, intestinal infection, water borne diseases, COVID appropriate behavior (CAB), AIIMS Online Registration System, oral health, immunization, pneumonia, cancer, flu, smoking, T.B, measles, diabetes, anemia, chikungunya, leprosy & various other health topics, the department organized health promotion activities in the communities, school & OPD Registration area of AIIMS Raipur twice a week for beneficiaries. Health Education sessions were organized on: World Kidney Day (09.03.2022), World Tuberculosis Day (24.03.2022), World Health Day (07.04.2022), World Hemophilia Day (17.04.2022), World Immunization Week

(24.04.2022-30.04.2022), World Asthma Day (13.05.2022), World Hypertension Day (17.05.2022), World Anti-Malaria Month (01.06.2022-30.06.2022), World Bicycle Day (03.06.2022), World Food Safety Day (07.06.2022), World Environment Day (08.06.2022), World No Tobacco Day (11.06.2022), World Blood Donor Day (14.06.2022), World Sickle Cell Awareness day (17.06.2022), International Yoga Day (21.06.2022), International Drug Abuse & illicit Trafficking Day (28.06.2022), National Doctor's Day (01.07.2022), World Zoonosis Day (05.07.2022), World Population Day (11.07.2022), World Hepatitis Day (29.07.2022), World Breast Feeding Week (05.08.2022), National Nutrition Week (01.09.2022-07.09.2022), World Suicide Prevention Day (10.09.2022), World Sepsis Day (13.09.2022), National Pharmacovigilance Week (16.09.2021-23.09.2022), World Patient Safety Day (17.09.2022), World Rabies Day (28.09.2022), World Breast Cancer Awareness Month (01.10.2022-31.10.2022), World Mental Health Day (11.10.2022), World Trauma Day (18.10.2022), World Iodine Deficiency Disorder Day (21.10.2022), World Organ Donation Day (25.11.2022), World AIDS Day (02.12.2022), Health advocacy on Leprosy and its prevention (31.01.2023), Health advocacy on Oral Cancer (07.02.2023)

EDUCATION

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. MPH course is a two-year course comprising four semesters, 15 core modules, one academic research project, and two months of internship. There are 12 students currently pursuing MPH in the department, six each in the first and second year.

In 2022-23, 112 Lectures, 10 guest lectures, 22 seminars, 44 webinars, 8 journal clubs, 18 field visits, 1 symposium, 2 debates & 61 Health education campaigns have been conducted.

Gender and Health Module by Sulakshana Nandi: Dr Sulakshana Nandi is the National Joint Convener of People's Health Movement India (Jan Swasthya Abhiyan) and Co-chair of PHM Global.

Orientation was organised for MPH students of batch 2021 at Pt Jawaharlal Nehru Medical Collojee by Dr. Kamlesh Jain, Nodal Officer NTCP, NPCDCS, Climate Change, and Dr. Nitin Patil, SMO WHO, Dr. Gajendra Singh (Health Officer, UNICEF), Dr. Sameer Garg (SHSRC) to orient them on challenges and opportunities in public health and prepare them for future endeavors.

Training of MPH Batch 2021, on the topic of Child Health & Non-Communicable diseases was organized on 26/09/2022 to 29/09/2022 by State Health System Resource Center (SHSRC), Raipur. Dr. Anjali (M.D. Pediatrics), Dr. Sabah Siddique (M.D. Medicine).

Lectures & Seminars have been taken by Dr. Abhiruchi Galhotra, Dr Sonal Dayama, Dr. Saurabh Sahu, Dr. Nitin Agrawal (In House Faculties SPH).

Lecture conducted by Resource Faculty

S. No.	Topic	Lecture	Resource Faculty
1	Gender & Health Module.	4 Lectures	Dr.Sulakhshana Nandi
2	Operational Research in Public Health.	2 Lectures	Dr Samir Garg
3	Routine Immunization.	4 Lectures	Dr. Nitin Patil
4	Orientation Class on HFA by UNICEF.	2 Lecture	Dr. Gajendra Singh
	TOTAL	12 Lectures	

Field Visits:

Field visits taken by the Department of School of Public Health to improve sensitization towards public health issues & management.

1. Health Facility Assessment done in three aspirational districts (Mahasamund, Kanker, and Kondagaon) conducted by UNICEF Chhattisgarh (October-December 2022).
2. Situation analysis of the Tobacco Cessation Center (TCC) in 7 districts of Chhattisgarh state and the report was submitted to the State Health Department (January-February 2023).
3. External audit of Pradhan Mantri National Dialysis Program (PMNDP) in the district hospital of Durg, Rajandgaon, Ambikapur and Jashpur. (January-February 2023).
4. Outreach activity at Urban Primary Health Centre, Hirapur to motivate, mobilize and raise awareness on the importance of WASH among the patients was conducted on the occasion of a special cleanliness campaign on 14/11/2022.
5. An exposure visits to Community Health Centre, Jheet was organized by School of Public Health which Dr. D.R Katotiya, M.O, CHC Jheet moderated.
6. The UNICEF Headquarters, Raipur on 12/08/2022.
7. Orientation visit to Sickle cell unit, AIIMS Raipur on 25/08/2022.
8. Counseling of patients at Sickle Cell Unit, AIIMS Raipur on 15/09/2022, further visits on 10/11/2022, 20/12/2022
9. Visit to AWW Center on 10/10/2022 & AWW Center Tatibandh on 14/11/2022 for WASH Practices.
10. House to House visit, Routine Immunization & Head count survey for strengthening of immunization services in urban area of Raipur City was organized by WHO, done on 26/12/2022 to 31/12/2022 under the guidance of Dr Nitin Patil, Health officer, WHO.

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Sanjana Agrawal, Dr. Dharmendra Gahwai, Dr. Sonal Dayama, Dr. Abhiruchi Galhotra	A Descriptive Analysis of Covid-19 Mortality in Chhattisgarh	IPHACON 2022	23 rd to 25 th September 2022	Indian Association of Public Health at Bharati Vidyapeeth (DTU) Medical College, Pune
2.	Dr Abhiruchi Galhotra Dr Saurabh Sahu Dr Kamlesh Jain Dr Sanjana Agrawal	Compliance Assessment of Cigarette and Other Tobacco Products Act In Educational Institutions In Surguja Districts Of Chhattisgarh, India	World Conference on Lung Health 2022	8 th to 11 th November 2022	The Union, International Union Against Tuberculosis and Lung Disease

RESEARCH

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

Completed

S. No.	Project
1.	Prevalence of Hearing loss in operated Mucormycosis patients at AIIMS Raipur
2.	Gap Analysis of TCC of Raipur division of Chhattisgarh State
3.	An assessment of Nutritional Status in Chronic Kidney disease patients of unknown origin by Bio-impedance Spectroscopy
4.	Evaluation of over-the-counter drugs usage in the household of urban population in Raipur Chhattisgarh
5.	A Descriptive Analysis of Covid 19 Mortality in the state of Chhattisgarh
6.	The assessment of the Quality of Life and Caregiver burden among persons undergoing and followed up for dialysis in the Department of Nephrology at AIIMS Raipur
7.	Mortality Trends and patterns from all diseases in a Tertiary Care Hospital: A Retrospective Study
8.	Prevalence of COVID-19 post-vaccination and symptom profiling amongst Health care workers- A cross-sectional study
9.	Effect of Health Education Intervention on Reducing Sedentary Screen Time in children under 5 years: Cluster Randomized Control Trial

Ongoing

S. No.	Project
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
2.	An assessment of Biomedical Waste Management practices of empanelled government and private hospitals of Raipur city
3.	Knowledge, Attitude and Practice (KAP) regarding microplastic pollution amongst school-going adolescents in Raipur city, Chhattisgarh, India: A cross-sectional study
4.	The Assessment of Quality of Life and Speech Outcome among Post-operative Oral Cancer Patients: A Hospital-Based Study
5.	A descriptive study regarding availability of Physical infrastructure and Human resources in Health and Wellness Centres of Raipur District (CG).
6.	An Assessment of Knowledge, Attitude & Perception (KAP) towards Yoga practice among Health care professionals of AIIMS, Raipur: A cross-sectional study

Collaborative Projects

Ongoing

Sr No	Title	In Collaboration with	Type	Investigator	Fund	Duration (Time period)
1	Implementation of NCDIR Electronic Mortality Software (NCDIR e-Mor)-strengthen Medical Certification of Cause of Death in AIIMS Raipur	MRD (Medical Record Department)	Extra-mural	Co-Investigator and Nodal officer (Dr. Abhiruchi Galhotra)	Non-Funded	Oct 2020-Feb 2023

2	Mortality Trends and Patterns from all diseases in a Tertiary Care Hospital: A Retrospective Study	MRD (Medical Record Department)	Intra-mural	Co Investigator Dr.A.Galhotra	Non funded	February 2023
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Completed

S. NO.	Project	Collaborating Department/Institution
1	Prevalence and Etiology of Hearing Impairment – ICMR NTF A Multi Centric Project	Dept of ENT &HNS, AIIMS Raipur
2	New Born Hearing Screening-A Hospital Based Project at AIIMS, Raipur	Dept of ENT &HNS, AIIMS Raipur
3	Awareness about Folic Acid Supplementation and Folic Acid status in Pregnant Women of Abhanpur block of Raipur District	Dept of CFM, AIIMS Raipur
4	Correlation study of endothelial function and Biomarkers in patients of Sickle Cell Anemia at Chhattisgarh	Dept of Physiology, AIIMS Raipur
5	Determinants of Mortality due to Covid-19 in India	Dept of Pulmonary Medicine, AIIMS, Raipur

PUBLICATIONS

- 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
- Giri, A.K., Padhan, S., Galhotra, A. (2022). Epidemiology of Rhinosporidiosis. In: Nagarkar, N.M., Mehta, R. (eds) *Rhinosporidiosis*. Springer, Singapore. https://doi.org/10.1007/978-981-16-8508-8_2
- Agarwala P, Bhargava A, Gahwai D, Negi S, Shukla P, Dayama S. (April 13, 2022) Epidemiological Characteristics of the COVID-19 Pandemic During the First and Second Waves in Chhattisgarh, Central India: A Comparative Analysis. *Cureus* 14(4): e24131. DOI 10.7759/cureus.24131
- Mathur P, Kulothungan V, Leburu S, Krishnan A, Chaturvedi H, Salve H, et al. Baseline risk factor prevalence among adolescents aged 15–17 years old: findings from National Non-communicable Disease Monitoring Survey (NNMS) of India. *BMJ Open* (2022); 11(6):e044066. DOI: <http://dx.doi.org/10.1136/bmjopen-2020-044066>
- Agrawal S, Dayama S, Galhotra A. COVID-19 mental health challenges: A scoping review. *J Edu Health Promot* 2022;11:375.
- Agrawal, Sanjana; Dayama, Sonal; Galhotra, Abhiruchi "Vaccinate every child against COVID-19", *Journal of Family Medicine and Primary Care*: May 2022 - Volume 11 - Issue 5 - p 1658-1663 doi: 10.4103/jfmpe.jfmpe_1808_21

AWARDS, HONOURS & SIGNIFICANT EVENTS

- Dr Sanjana Agrawal cleared UGC-NET 2022 for Assistant Professor (Subject: Social Medicine and Community Health)
- Dr Sanjana Agrawal received the best oral presentation (Theme: Covid-19) award and Finalist in Dr Deoki Nandan Memorial Public Health Quiz "QUEST 2022" at the 66th Annual National Conference of Indian Public Health Association (IPHACON 2022) held on 23rd to 25th September 2022.

3. Mr. Senthil Kumar R, MPH 2021 Batch won the first prize in an essay competition organized by FPHSINDIA on the theme "Hepatitis and Community" A road map to 2030.
4. Dr. Shikhar Sharma bagged first prize in face painting and sketching, 2nd prize in

Picasso, pebble painting, and Ying and Yang competition during ORIANA 2022-23 event.

5. Mrs. Nilima Rahangdale, Dept. School of Public Health was awarded "Best employee in the LDC category" on 15th August 2022.

VISITING FACULTIES/PUBLIC HEALTH EXPERTS

1. Dr. Anil Kumar Goel (Course Co-ordinator; MPH) , (Prof & HOD Department of Pediatrics)
2. Dr. Nitin Borkar, Department of Pediatric Surgery.
3. Dr. Gouri Kumari Padhy, Department of Community & Family Medicine.
4. Dr. Anjali Pal, Department of Community & Family Medicine.
5. Dr. Arvind Kumar Shukla, Department of Community & Family Medicine.
6. Dr. Nitin Patil, SMO, NPSP, WHO.
7. Dr. Gajendra Singh, Health Officer, UNICEF.
8. Dr. Sameer Garg, State Health System Resource Center (SHSRC)

Anti- Ragging Committee

Chairman

Prof.(Dr.) Nitin M. Nagarkar

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 vigilance 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 2022-23**

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 2023.

We have audited the attached Balance Sheet of All India Institute of Medical Sciences (AIIMS), Raipur as at 31 March 2023, 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:-

AIIMS, Raipur SAR 2022-23

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A. Balance Sheet

1. Corpus/Capital Fund and Liabilities

1.1 Current Liabilities and Provisions (Schedule-7) - ₹ 24.16 crore

The above does not include an amount of ₹ 26.97 crore being unspent grants -in-aid on accounts of the Swacchata Action Plan (SAP) (₹ 0.36 crore) and the creation of capital assets (₹ 26.61 crore). This resulted in understatement of Current Liabilities by ₹ 26.97 crore and overstatement of Corpus/Capital Fund by the same amount.

B. Management Letter

Deficiencies which have not been included in the 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.

C. Grants-in-aid

AIIMS, Raipur received grants-in-aid (GIA) of ₹ 551.50 crore (which includes ₹ 85.00 crore for the creation of capital assets) and ₹ 3.37 crore interest earned on GIA. In addition to this, there was an unspent balance of ₹ 84.64 crore (the previous year closing balance of ₹ 254.56 crore includes only ₹ 84.64 crore of GIA) in the previous year. Thus, out of total available GIA funds of ₹ 639.51 crore an amount of ₹ 581.55 crore was utilized (including ₹ 20.42 crore refunded to the Ministry) leaving an unutilized balance of ₹ 57.96 crore (including interest on GIA amounting to ₹ 3.37 crore for FY 2022-23). Further, there is ₹ 4.32 crore of unadjusted advances met out from grants in aid. Thus, the overall unspent balance of ₹ 62.28 crore 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.

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- 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 2023; 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:

The internal audit system was found to be inadequate as no internal audit has been conducted since 04/2021. The last internal audit of AIIMS, Raipur was done by MoHFW for the period from 2015 to 2021 from 08.11.21 to 24.11.21.

2 Adequacy of Internal control system:

The internal control system was found to be inadequate due to:

- (i) 11 paras of compliance audit (03 paras for the period 01/20 to 12/20, 05 paras for the period 01/2021 to 06/2021 and 03 paras for the period 07/2021 to 10/2022) were still pending.
- (ii) 32 paras of the internal audit were still pending.
- (iii) AIIMS, Raipur has no Accounting Manual of its own.
- (iv) There is no training and development policy in place.
- (v) Project-wise information is not available in compiled mode. The present status of projects is not updated because data has still to be collected and compiled.
- (vi) Confirmation of debtors/loans and advances not taken from respective parties by AIIMS, Raipur.

3 Physical verification of fixed assets:

The physical verification of fixed assets has been conducted during the year.

4 Physical verification of inventories:

The physical verification of inventories has been conducted during the year.

5 Regularity in payment of statutory dues:

No irregularity was noticed in the payment of statutory dues.


 Sr. Audit Officer/AMG-II

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Balance Sheet as on 31/03/2023

	SCHEDULES	Current Year 2022-23	Previous Year 2021-22
A) CORPUS/ CAPITAL FUND AND LIABILITIES		₹	₹
Corpus/ Capital Fund	1	10,74,82,55,810.89	10,34,28,33,471.92
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	24,16,48,077.99	27,81,39,315.68
TOTAL		10,98,99,03,888.88	10,62,09,72,787.60

B) ASSETS			
Fixed Assets	8	8,36,22,54,530.08	8,21,15,04,270.64
Investments- From Earmarked/ Endowment Funds	9	-	-
Investments- Others	10	-	-
Current Assets, Loans, Advances Etc.	11	2,62,76,49,358.80	2,40,94,68,516.96
Miscellaneous Expenditure		-	-
(to the extent not written off or adjusted)		-	-
TOTAL		10,98,99,03,888.88	10,62,09,72,787.60

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


B.K. AGRAWAL
FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO

Date: 30/05/2023
Place: Raipur, C.G.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Income & Expenditure Account for the year ended 31/03/2023

Particulars	SCHEDULES	Current Year 2022-23	Previous Year 2021-22
INCOME		₹	₹
Income from Sales/ Services	12	15,94,28,678.46	10,85,75,170.32
Grants/ Subsidies	13	4,66,50,00,000.00	4,10,78,50,000.00
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	6,37,28,968.29	3,11,68,754.00
Other Income	18	37,43,82,608.24	33,96,61,670.57
Increase/ (decrease) in stock of finished goods and work-in-progress	19	-	-
Excess Provision Made in FY 2020-21		-	4,74,158.00
Excess Provision Made in FY 2021-22		11,57,543.00	-
Net Prior Period Income		57,77,415.00	(7,87,118.00)
TOTAL (A)		5,26,94,75,212.99	4,58,69,42,634.89

EXPENDITURE		₹	₹
Establishment Expenses	20	3,05,99,41,920.00	2,59,43,35,218.00
Other Administrative Expenses etc.	21	1,50,49,80,711.66	1,43,72,69,497.13
Expenditure on Grants, Subsidies etc.	22	23,616.00	4,71,062.00
Interest	23	-	-
Depreciation (Net Total at the year-end-corresponding to Schedule)	8	80,75,55,135.00	83,62,23,646.00
Refund of Grant-in-Aid (Salary)		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		8,80,90,969.94	2,32,35,493.00
Expenses Under PMJAY- Ayushman Bharat		7,61,09,068.82	6,49,14,033.04
Prior Period Items		(14,18,904.18)	(12,22,343.00)
TOTAL (B)		5,70,07,42,883.24	4,95,52,26,606.17

Balance being excess of Expenditure over income, this is indication of Deficit (A-B)		(43,12,67,670.25)	(36,82,83,971.28)
Transfer to Special Reserve (Specify each)		-	-
Transfer to / from General Reserve		-	-
BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS/ CAPITAL FUND		(43,12,67,670.25)	(36,82,83,971.28)

SIGNIFICANT ACCOUNTING POLICIES AS PER SCHEDULE 24
CONTINGENT LIABILITIES AND NOTES ON ACCOUNT AS PER SCHEDULE 25


B.K. AGRAWAL
FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2023											
S.N.	RECEIPTS	Current Year		Previous Year		S.N.	PAYMENTS	Current Year		Previous Year	
		2022-23		2021-22				2022-23		2021-22	
		₹	₹	₹	₹			₹	₹	₹	₹
I	Opening Balance					I	Expenses				
	a) Cash in Hand	2,83,387.00	7,06,038.00				a) Establishment Expenses	2,77,02,96,336.00	2,37,85,17,143.00		
	b) Bank Balances						b) Administrative Expenses	1,33,74,30,806.41	1,24,68,72,791.09		
	i) in Current Accounts	2,24,70,13,540.13	1,95,41,57,288.19				c) Expenses Under Swachhata Action Plan	-	2,32,35,493.00		
	ii) in Saving Accounts	7,55,86,382.20	1,27,52,819.00				d) Others				
							Net Contingent Advance Paid	99,80,000.00	21,83,859.00		
II	Grant Received						Net Imprest Money Paid	40,07,679.05	53,75,385.00		
	a) From Government of India						Net LTC Paid	36,89,456.00	4,94,585.00		
	GIA General	1,37,00,00,000.00	1,23,00,00,000.00				Tour Advance Paid	30,62,210.00	6,02,333.00		
	GIA Salaries	3,27,00,00,000.00	2,61,00,00,000.00				Advance paid for Thesis	-	3,85,024.00		
	GIA Capital	85,00,00,000.00	90,00,00,000.00				Financial Assistance	1,25,000.00	88,821.00		
	GIA Capital (PM-ABHM)	-	28,61,00,000.00				Contingent Advance under Kayakalp	-	55,000.00		
	GIA General (Swachhata Action Plan)	2,50,00,000.00	-				Contingent Advance against Extramural Fund	26,43,353.00	34,99,159.00		
	GIA General (ECRP-II)	-	23,75,90,000.00				CONTINGENT ADVANCE (Intramural)	5,03,688.00	5,01,616.00		
	GIA Salary (ECRP-II)	-	3,03,00,000.00				Contingent Advance SAP	1,79,365.00	90,244.00		
III	GIA Received for AIIMS Mangalagiri	-	3,95,10,31,152.35				Imprest Advance (PMJAY Ayushman Bharat)	71,468.00	10,167.00		
IV	GIA Received for AIIMS Nagpur	-	4,21,30,20,198.65				AIIMS Raipur Medical Student Welfare Society	55,490.00	-		
V	Income on Investments	-	-				PM Care Fund	-	1,17,283.00		
VI	Interest Received					II	Payment made under Extramural Fund	51,56,260.00	54,99,707.00		
	a) On Bank Account	3,48,31,501.53	2,91,78,432.00			III	Investments and deposits made				
	b) Interest received but refundable to MoHFW earned on GIA	3,39,16,781.00	4,31,01,470.00				a) Out of Earmarked/ Endowment funds	-	-		
	c) Bank Interest on Pension Fund	13,72,947.00	-				b) Out of Own Funds	-	-		
VII	Other Receipt					IV	Fixed Deposits with Bank of India	1,80,00,00,000.00	-		
	Receipts From Hospital	13,59,49,492.00	10,40,42,134.10			V	Deposit with CSDCL	99,516.00	-		
	Admission Fees, Entrance Fees, Application Fees, Examination Fees, Other Receipt	33,08,898.46	45,07,951.22			VI	Expenditure on Fixed Assets & Capital Work- in Progress				
	Overhead Charges (Extramural Fund)	66,712.00	-				a) Payment for Purchase of Fixed Assets	72,67,58,613.39	69,87,89,690.10		
	Security deposit	4,13,117.00	8,11,175.00				b) Payment to contractors for Work in Progress	40,00,00,000.00	52,17,12,194.00		
	Earnest Money deposit (EMD)	1,58,74,491.20	15,60,007.60			VII	Refund of Surplus money/ Loans				
	Penalty Receipt from (SR/IB/PG Students etc.)	74,85,214.00	3,14,35,375.00				a. EMD released	1,21,56,295.00	1,01,43,178.00		
	Received from Gym	16,900.00	9,700.00				b. Security Deposit released	15,92,385.00	20,77,086.00		
	Receipts from Forfeiture of /EMD/FDR	9,94,733.00	-				c. Withheld	-	-		
	Rent Received	1,59,468.00	5,220.00			VIII	Other Payments				
	Donation under ARPAN	32,721.02	1,68,198.07				a) TDS/ VAT/ Labour Cess/ Work Contract Tax, etc.	35,86,41,551.00	29,47,66,207.00		
	Income Tax Refund	4,350.00	9,730.00				b) Financial Assistance for CME/ Workshop	-	21,51,971.00		
	Special Festival Advance reversed back	-	5,02,124.00				d) Nursing Association	1,53,800.00	-		
	Receipt from Mess Committee	-	48,349.00				h) Unclaimed EMD refund	-	1,35,000.00		
	Receipt from VRDL for TDS & GST	-	20,37,529.00								

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2023							
S.N.	RECEIPTS	Current Year	Previous Year	S.N.	PAYEMENTS	Current Year	Previous Year
		2022-23	2021-22			2022-23	2021-22
		₹	₹			₹	₹
	Receipt from Library	-	25,085.00	IX	Amount Paid to AIIMS Mangalagiri & Nagpur		
	Notice Period Recovery from Staff	40,78,780.00	31,94,924.00		GIA release for AIIMS Mangalagiri	-	4,02,31,69,930.00
	Receipt from Guest House	5,01,558.00	2,46,000.00		GIA release for AIIMS Nagpur	-	4,29,65,84,051.00
	Licence Fee deposited in cash	20,886.00	28,320.00	X	Net TDS Receivable from SBI and State Health Resource Centre	99,700.00	89,117.00
	Advance Salary	41,008.00	50,434.00	XI	Intramural Funds	14,853.90	39,64,815.00
	Others	25,864.22	12,612.50	XII	Payment under Provision Made		
	Postal Order/ RTI Fee receipts	1,528.00	-		Electricity Charges	1,28,23,370.00	1,04,40,740.00
	Receipts from Hostel	66,900.00	-	XIII	Bills Payable to other than Employee	3,84,54,962.00	17,45,836.00
VIII	PMAAY- Ayushman Bharat Claims Receipts	32,72,92,823.00	29,25,88,855.00	XIV	Advance to Contractor/ Supplier/ Consultant	5,64,79,748.00	-
IX	Extramural Fund	6,33,17,679.09	3,36,17,985.84	XV	Interest Refunded to MoHFW	4,32,50,873.00	8,03,38,887.00
X	Advance deposited by Patient	6,67,000.00	90,000.00	XVI	GIA Redunded to MoHFW		
XI	Income from Sale of Scrap	12,237.00	3,24,791.50		Salary	16,50,02,136.00	-
XII	Interest Received from Income Tax Refund	-	780.00	XVII	Scholarship amount paid	1,00,985.00	43,800.00
XIII	Prior Period Income	4,39,037.00	-	XVIII	Prior Period Item	710.38	4,58,847.00
XIV	Kayakalp Award Money Receipt	1,00,00,000.00	22,73,000.00	XIX	Oriana 2022	6,00,000.00	-
XV	Scholarship amount received	49,985.00	94,800.00	XX	Closing Balances		
XVI	Oriana 2022	7,00,000.00	-		a) Cash in Hand	2,20,023.00	2,83,387.00
					b) Bank Balances		
					i) in Current Accounts	65,98,54,876.83	2,24,70,13,640.13
					ii) in Saving Accounts	8,56,49,419.99	7,55,86,982.20
	TOTAL	8,49,93,74,920.95	15,93,58,82,678.52		TOTAL	8,40,93,74,920.95	15,93,58,82,678.52


B.K. AGRAWAL
 FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
 DIRECTOR & CEO

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023

SCHEDULE [1] CORPUS/ CAPITAL FUND		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
Balance as at the beginning of the year	10,34,28,33,471.92	9,54,50,07,713.20
Add: Contribution towards corpus/ capital fund	85,00,00,000.00	1,16,51,00,000.00
Add/(Deduct): Balance of net income/ (expenditure) transferred from the Income and Expenditure Account	(43,12,67,670.25)	(36,82,83,971.28)
Add:- Prior Period Items (Expenditure is overbooked in Previous Year)	-	-
Add:- Income Tax Refund Received	4,350.00	9,730.00
Deduct:- TDS Deducted by parties of previous years	(89,117.00)	-
Deduct:- GIA Refundable to MoHFW	(1,32,25,223.78)	-
BALANCE AT THE YEAR-END	10,74,82,55,810.89	10,34,28,33,471.92


SCHEDULE [2] RESERVE & SURPLUS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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)	-	-


B.K. AGRAWAL
FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [3] EARMARKED/ ENDOWMEN FUNDS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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)	-	-


B.K. AGRAWAL
FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [4] SECURED LOANS AND BORROWINGS:				
Particulars	Current Year 2022-23		Previous Year 2021-22	
	₹		₹	
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


B.K. AGRAWAL
FINANCIAL ADVISOR


Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [5] UNSECURED LOANS AND BORROWINGS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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 2022-23 ₹	Previous Year 2021-22 ₹
a) Acceptances secured by hypothecation of capital equipment and other assets	-	-
b) Others	-	-
Total	-	-

Note: Amounts due within one year



**B.K. AGRAWAL
FINANCIAL ADVISOR**



**Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS			
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹	
A) CURRENT LIABILITIES			
i) Acceptances			
ii) Sundry Creditors			
a) For Goods			
b) Others			
ADS Diagnostic Ltd., New Delhi	-	15,008.00	
Ahluwallia Contractor (I) Ltd.	1,03,477.00	1,03,477.00	
Amrit Pharmacy	-	60,785.00	
Astha Chemicals, Raipur	36,875.00	-	
Balaji Surgicals	-	24,517.00	
Corp Meditech Pvt. Ltd.	-	2,46,896.00	
Carl Zeiss India (Bangalore) Pvt. Ltd.	1,56,265.00	-	
Daulat Surgical & Scientific Shop	-	24,761.00	
DSS Imagetech P. Ltd., New Delhi	11,887.00	11,887.00	
Getinge Medical Pvt. Ltd., Mumbai	-	65,832.00	
Hites, Delhi	-	84,234.00	
Indian Surgical System	-	2,36,950.00	
Intelligence Security of India ltd.	-	7,09,395.00	
India Medtronic P Ltd., Maharashtra	83,870.00	-	
Karl Storz Endoscopy India P Ltd.	-	2,783.00	
Mediglobe Medical Systemes (P) Ltd.	5,50,049.00	5,50,049.00	
Mediline Surgicals	-	1,10,880.00	
Midmark India P Ltd.	-	2,064.00	
Orange Bioscience Products Pvt. Ltd.	47,544.00	-	
Pharma Deal	-	85,877.00	
Rishi Impex, Raipur	7,326.00	7,326.00	
Scientific Traders	-	45,046.00	
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	-	
Siemens Healthcare P Ltd, Gurgaon	-	45,531.00	
Starkey Laboratories India P Ltd., UP	15,680.00	15,680.00	
VIT Computer	-	24,750.00	
Vector Enterprises, Raipur	24,800.00	24,800.00	
Vodafone	-	334.00	
Varad Corporation, Raipur	13,74,761.00	-	
Yashraj Marketing, Raipur	-	21,900.00	25,62,871.80
	24,70,393.80		

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2022-23		Previous Year 2021-22	
		₹		₹
A) CURRENT LIABILITIES				
Employee related liabilities				
a) Security deposit Employee	3,46,252.00		3,42,952.00	
b) Bill Payable to Employees	1,23,242.00		1,17,808.00	
c) Advance received from Employees for Tax	25,000.00		-	
d) Other deduction	-	4,94,494.00	7,72,020.00	12,32,780.00
Bills Payable to other than Employees				
	58,172.00	58,172.00	42,872.00	42,872.00
iii) Secured Advance to Contractor / Suppliers	20,33,787.00	20,33,787.00	14,72,501.00	14,72,501.00
vi) Statutory Liabilities				
a) TDS on GST				
i) CGST	10,47,222.00		8,26,617.00	
ii) SGST	10,47,222.00		8,26,617.00	
iii) IGST	9,74,843.00		5,28,822.00	
b) TDS Payable on Other than Salary	10,84,901.00		-	
c) Work Contract Tax Payable	-		-	
d) Labour Cess Payable	95,494.00		1,27,498.00	
e) TDS Payable on Salary	78,84,750.00		18,65,089.00	
f) Value Added Tax Payable	-	1,21,34,432.00	-	41,74,643.00
v) Other current Liabilities				
a) Special / Extramural Fund Received				
	5,54,82,331.16	5,54,82,331.16	3,87,67,982.28	3,87,67,982.28
b) Security deposit Vendor	2,20,00,371.45	2,20,00,371.45	2,25,13,609.00	2,25,13,609.00
c) Earnest Money Deposit	1,44,95,903.80	1,44,95,903.80	1,53,32,833.60	1,53,32,833.60
d) Advance deposited by Patients	10,09,883.00	10,09,883.00	5,78,683.00	5,78,683.00
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		-	
DSS Imagetech P Ltd.	8,74,409.00		-	
Ghanshyam Laundry	19,112.00		19,112.00	
EDCIL (India) Ltd.	9,25,625.00		9,25,625.00	

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2022-23		Previous Year 2021-22	
		₹		₹
A) CURRENT LIABILITIES				
M.J. Solanki	1,50,000.00		1,50,000.00	
Bl Kashyap and Sons Ltd.	13,00,640.00		12,00,640.00	
Gourav Enterprises	1,17,383.00		-	
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	
Punjiloyd L.Ltd.	1,00,000.00		1,00,000.00	
Ahluwalla Contractor	24,602.00		24,602.00	
Security & Intelligence Services	2,27,029.00		2,48,316.00	
Fortune Impex	43,754.00		43,754.00	
Medical Product Services	-		15,65,400.00	
Service India, Bhopal	25,000.00		25,000.00	
Ishan Construction	61,995.00		-	
HSCC India Ltd.	67,13,384.00		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	
Shal Transport	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	
Shree Enterprises	-		5,45,237.00	
Vraj Tours & Travells	84,000.00		34,000.00	
Getinge Medical P Ltd., Mumbai	77,18,746.00		77,18,746.00	
Aptech Ltd.	13,37,180.00		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		24,86,850.00	
First Construction	56,134.00		56,134.00	
ADS Diagnostic Ltd., New Delhi	8,19,744.00		8,19,744.00	
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		1,36,26,170.00	
Sai Associates	4,24,433.00		4,24,433.00	
PRG Associates	16,322.00		16,322.00	
Surana Enterprises	-		5,04,804.00	
Jeet Enterprises	-		21,150.00	
Kone Elevator India Ltd.	45,456.00		-	
Intelligence Security of India Ltd.	15,49,167.00		-	
Turnitin Education Pvt. Ltd.	14,000.00		-	
Shristi Enterprises	-	3,04,01,889.00	19,52,969.00	4,48,60,056.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2022-23		Previous Year 2021-22	
		₹		₹
A) CURRENT LIABILITIES				
3) Withheld for Completion Certificate				
Globus Infocom Ltd.	38,661.00		38,661.00	
Manohar Lal Gawri	50,000.00		50,000.00	
Punjiloyd 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
5) Withheld for Rectification				
Pujloyd 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.	20,25,000.00		19,00,000.00	
Punjiloyd 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	29,85,000.00	60,000.00	28,60,000.00
7) Withheld for EPF				
C-Net Infotech Pvt. Ltd.	3,40,450.00		3,40,450.00	
M.J. Solanki	1,00,000.00		1,00,000.00	
Intelligence Security of India Ltd.	6,084.00	4,46,534.00	-	4,40,450.00
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
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

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2022-23 ₹		Previous Year 2021-22 ₹	
A) CURRENT LIABILITIES				
12) Withheld for IGST				
Schiller Healthcare India P Ltd	3,16,200.00	3,16,200.00	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		32,587.00	
Bharat Medical System	1,120.00	3,12,491.00	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
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				
	306.00	306.00	304.00	304.00
vi) Refundable to Oriana Fund				
	-	-	1,14,271.00	1,14,271.00
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	4,31,08,533.00	4,31,08,533.00
ix) Student related liability				
	-	-	51,000.00	51,000.00
x) Nursing Association				
	8,350.00	8,350.00	-	-
TOTAL (A)		20,60,87,912.99		19,31,79,555.68


SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2022-23		Previous Year 2021-22	
	₹		₹	
A) CURRENT LIABILITIES				
B) PROVISIONS				
i) For Taxation	-	-	-	-
ii) Gratuity	-	-	-	-
iii) Superannuation/ Pension	-	-	-	-
iv) Accumulated Leave Encashment	-	-	-	-
v) Trade Warranties/ Claims	-	-	-	-
vi) Electricity Expenses Payable	-	-	1,28,23,370.00	1,28,23,370.00
vii) External Remittance	3,70,974.00	3,70,974.00	7,434.00	7,434.00
viii) NPS Payable	40,26,924.00	40,26,924.00	35,32,953.00	35,32,953.00
ix) Salary Payable	10,80,195.00	10,80,195.00	9,52,486.00	9,52,486.00
x) Telephone Expenses Payable	-	-	1,03,091.00	1,03,091.00
xi) CAG Audit Fees Payable	-	-	2,50,000.00	2,50,000.00
xii) Children Education Allowance Payable	-	-	90,00,000.00	90,00,000.00
xiii) Learning Resource Allowance Payable	-	-	2,50,00,000.00	2,50,00,000.00
xiv) General Provident Fund	2,57,19,021.00	2,57,19,021.00	3,32,90,426.00	3,32,90,426.00
xv) Interest on Pension Fund account	43,63,051.00	43,63,051.00	-	-
TOTAL (B)		3,55,60,165.00		8,49,59,760.00
GRAND TOTAL (A+B)		24,16,48,077.99	27,81,39,315.68	


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

S.N.	PARTICULARS	GROSS BLOCK			DEPRECIATION BLOCK			NET BLOCK			
		Cost valuations As at beginning of the Year	Additions during the year	Deduction during the year	Cost/ Valuations 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	5,34,82,83,825.00	7,49,75,789.00	-	5,42,32,59,594.00	1,39,56,59,811.00	43,18,91,075.00	1,63,76,50,886.00	1,63,76,50,886.00	3,79,56,08,708.00	4,13,26,34,514.00
3	FURNITURE & FIXTURES	26,96,61,130.00	3,39,94,313.00	-	30,36,55,443.00	7,94,47,678.00	2,10,89,005.00	10,05,16,633.00	10,05,16,633.00	20,31,38,810.00	19,02,13,502.00
4	OFFICE EQUIPMENT	3,39,27,012.00	80,64,964.00	-	4,19,85,976.00	95,89,210.00	46,15,883.00	1,42,05,193.00	1,42,05,193.00	2,77,80,783.00	2,43,31,802.00
5	COMPUTER	6,60,13,338.00	2,39,63,782.00	-	8,99,77,090.00	4,80,49,448.00	1,32,18,990.00	6,12,69,410.00	6,12,69,410.00	2,87,07,651.00	1,79,63,889.00
6	ELECTRIC INSTALLATIONS	58,15,73,027.00	2,47,99,580.00	-	60,63,72,607.00	12,39,21,265.00	4,31,49,903.00	16,70,71,168.00	16,70,71,168.00	88,93,01,439.00	40,76,51,762.00
7	PLANTS & MACHINERY	2,94,79,67,984.33	22,85,88,454.44	-	3,17,15,56,438.77	3,15,97,33,600.00	29,00,67,883.00	1,44,97,80,792.00	1,44,97,80,792.00	3,72,13,75,646.77	1,78,32,34,175.33
8	BOOKS	3,59,83,605.00	-	-	3,59,83,605.00	2,77,53,366.00	32,76,096.00	3,10,69,662.00	3,10,69,662.00	49,34,143.00	81,90,239.00
9	MOTOR VEHICLE	25,90,376.00	-	-	25,90,376.00	11,52,314.00	1,86,700.00	15,18,074.00	15,18,074.00	10,52,802.00	12,38,002.00
	TOTAL RUPEES	9,23,09,94,557.33	39,45,86,832.44	-	9,62,53,81,429.77	2,84,55,46,532.90	80,75,55,135.00	3,45,31,01,647.00	3,45,31,01,647.00	6,17,22,79,782.77	6,58,54,88,095.33
	CAPITAL WORK-IN PROGRESS DURING THE YEAR 2021-22	1,62,60,36,185.31	57,03,95,365.00	64,76,683.00	2,18,99,74,747.31	-	-	-	-	2,18,99,74,747.31	1,62,60,36,185.31
	WIP Academic/ Admin Block	1,26,96,02,400.00	40,00,00,000.00	-	1,66,96,02,400.00	-	-	-	-	1,66,96,02,400.00	1,26,96,02,400.00
	WIP Residential Phas-II	42,03,668.00	-	-	42,03,668.00	-	-	-	-	42,03,668.00	42,03,668.00
	Payment Made to IIL in WIP	34,80,63,256.31	-	-	34,80,63,256.31	-	-	-	-	34,80,63,256.31	34,80,63,256.31
	WIP Aluminium Partition and Civil work at Hospital Block	13,19,885.00	4,71,555.00	17,81,430.00	-	-	-	-	-	-	13,19,885.00
	WIP High Dose Therapy ward	28,86,998.00	18,18,287.00	46,85,263.00	-	-	-	-	-	-	28,86,998.00
	WIP Dental OPD	-	24,15,728.00	-	24,15,728.00	-	-	-	-	24,15,728.00	-
	WIP Renal Transplant Ward	-	55,64,615.00	-	55,64,615.00	-	-	-	-	55,64,615.00	-
	WIP Sewerage System	-	23,59,097.00	-	23,59,097.00	-	-	-	-	23,59,097.00	-
	WIP Vmp Sports Flooring	-	3,39,932.00	-	3,39,932.00	-	-	-	-	3,39,932.00	-
	WIP Against Lien	-	15,74,26,051.00	-	15,74,26,051.00	-	-	-	-	15,74,26,051.00	-
	TOTAL	8,36,22,54,330.08	-	-	8,36,22,54,330.08	-	-	-	-	8,36,22,54,330.08	-



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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [9] INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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 2022-23 ₹	Previous Year 2021-22 ₹
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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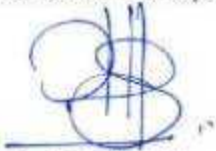
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2023**

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2022-23		Previous Year 2021-22	
	₹		₹	
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) Mess Committee	-		46,955.00	
ii) Shahban Hussain	2,24,791.00	2,24,791.00	-	46,955.00
2 Others				
i) Rent Receivable				
a) Seema Agency	35,780.00		35,780.00	
b) Amul Parlour	1,75,052.00		(11,236.00)	
c) Nescafe	53,156.00		-	
ii) VRDL	3,26,896.80	5,90,884.80	44,896.80	69,440.80
3 Statutory Dues Receivable				
i) TDS Receivable from State Bank of India	99,700.00		52,998.00	
ii) TDS Receivable on account of deduction made by State Health Resource Centre.	-	99,700.00	36,119.00	89,117.00
c) Cash balances in hand (including cheques and imprest)	2,20,023.00	2,20,023.00	2,83,387.00	2,83,387.00
d) Bank Balances:				
1 With Scheduled Banks				
On Current Accounts				
a) Bank of India Current Plus A/c No. 935420110000157	53,87,26,864.03		1,29,41,43,724.43	
b) Bank of India Current Plus A/c No. 936320110000024	3,62,03,377.35		48,39,78,035.02	
c) State Bank of India (ARPAN) A/c No. 36721449858	1,90,58,209.61		1,82,17,920.59	
d) PMJAY-Ayushman Bharat (A/c No.: 936320110000307)	3,94,80,971.19		41,65,97,890.45	
e) State Bank of India (Pension & PF Fund) 39381410389	2,63,85,454.65		3,40,76,069.54	
f) Reserve Bank of India (10597701063)	-	65,98,54,876.83	-	2,24,70,13,640.13
On deposit Accounts(including margin money)				

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2022-23		Previous Year 2021-22	
		₹		₹
On Saving Account				
a) Bank of India (Research Grant) A/c No. 936310110005302	4,02,05,441.99		2,01,42,057.20	
f) HDFC Bank (50100469127051)	4,54,43,978.00	8,56,49,419.99	5,54,44,325.00	7,55,86,382.20
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 936356110001524	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	
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		24,313.00	
Security and Intelligence Services	-		4,600.00	
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	
Advance to HLL for PICU	-		4,70,13,600.00	
BL Kashyap and Sons Ltd. (Interim Advance)	48,72,959.00		50,58,574.00	
HLL Infra Tech Services Ltd.	-		2,76,060.00	
Punjloyd Ltd. (Interim Advance)	1,19,68,602.00		1,19,68,602.00	
National Informatics Centre Services Inc.	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		-	
Registrar IIT Madras	18,77,616.00	3,27,42,581.13	18,77,616.00	6,70,88,387.13
2) Other Advances				
Contingent Advances	1,04,507.75		23,74,317.75	
Contingent Advance (Extramural Fund)	20,69,266.69		28,38,285.24	
Imprest Money	87,337.00		72,337.00	
LTC Advances	1,76,378.00		54,000.00	
Other Advances to Employee for Internal Purchase	52,500.00		-	
TA on Official Visit	11,51,303.00		7,20,429.00	
Contingent Advance (SAP)	-		60,000.00	

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2022-23		Previous Year 2021-22	
	₹		₹	
Financial Assistance for CME/ Workshop	-		1,50,000.00	
Financial Assistance for Thesis	-		1,26,000.00	
Contingent Advance (Convocation)	61,50,000.00		-	
Contingent Advance (Intramural)	7,50,500.00	1,05,41,792.44	9,63,744.00	73,59,112.99
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	93,91,349.71	94,06,194.71
4) Intramural Fund Balance	4,77,040.90	4,77,040.90	4,26,981.00	4,26,981.00
g) Bills receivable from Employees	4,94,724.00	4,94,724.00	20,98,919.00	20,98,919.00
TOTAL		2,62,76,49,358.80		2,40,94,68,516.96

Note: Amounts due within one year



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SCHEDULE [12] INCOME FROM SALES/ SERVICES		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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	17,81,986.00	20,62,972.00
b) Entrance Fees	13,79,940.05	23,83,693.00
c) Examination Fees	55,400.00	44,200.00
d) Student Transcript Fee	15,500.00	10,000.00
e) Receipts from Library	28,763.00	25,085.00
f) Other Receipts	47,309.41	7,086.22
ii) Receipts From Hospital	15,61,19,780.00	10,40,42,134.10
Total	15,94,28,678.46	10,85,75,170.32


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SCHEDULE [13] GRANTS/ SUBSIDIES		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
(Irrevocable grants & Subsidies Received)		
a) Central Government (Ministry of Health & Family Welfare)		
i) Grants-in-Aid (Salary)	3,27,00,00,000.00	2,61,00,00,000.00
ii) GIA- Salary (ECRP-II)	-	3,03,00,000.00
iii) Grants-in-Aid (General)	1,37,00,00,000.00	1,23,00,00,000.00
iv) GIA- General (ECRP-II)	-	23,75,50,000.00
v) Grants-in-Aid (Creation of Capital Assets)	85,00,00,000.00	90,00,00,000.00
vi) Grants-in-Aid (Swachhata Action Plan) (General)	2,50,00,000.00	-
vii) GIA- Creation of Capital Assets (Non Recurring) PM-ABHIM	-	26,61,00,000.00
b) State Government	-	-
c) Government Agencies	-	-
d) Institutions/ Welfare Bodies	-	-
e) International Organisations	-	-
f) Others (specify)	-	-
Total	5,51,50,00,000.00	5,27,39,50,000.00



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SCHEDULE [14] FEES/ SUBSCRIPTIONS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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.)	2022-23 ₹	2021-22 ₹
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 2022-23 ₹	Previous Year 2021-22 ₹
a) Income From Royalty	-	-
b) Income from Publications	-	-
c) Others (Specify)	-	-
Total	-	-




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SCHEDULE [17] INTEREST EARNED		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
a) On FFD deposits :		
i) With Scheduled Banks	3,08,47,370.63	2,90,43,810.00
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Fixed Deposits :		
i) With Scheduled Banks	2,72,17,742.00	-
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
c) On Saving Accounts:		
i) With Scheduled Banks	39,59,824.66	4,08,963.00
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
d) On Loans		
i) Employees/ Staff	-	-
ii) Others	-	-
e) Interest from CSEB	17,04,031.00	17,15,201.00
f) Interest received from Income Tax Refund	-	780.00
Total	6,37,28,968.29	3,11,68,754.00



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SCHEDULE [18] OTHER INCOME		
	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
a) Profit on Sale/ disposal of Assets		
i) Sale of Scrap	12,237.00	3,24,791.00
b) Licence Fees	25,46,587.00	25,84,832.00
c) Tender Fees	-	-
d) Miscellaneous Income		
i) Liquidated Damage	32,17,096.70	81,09,755.00
ii) Notice Period Recovery from Staff	40,78,780.00	32,22,510.00
iii) Forfeiture of SD/EMD/FDR	8,94,733.00	-
iv) Received from Guest House	5,01,558.00	3,85,940.00
v) Other Receipts	2,43,728.22	9,29,088.50
vi) Received from Gym	16,900.00	9,700.00
vii) General Damage	1,16,215.30	99,616.00
viii) Penalty Receipts	77,65,907.00	1,15,50,242.00
ix) Receipt from Labour Charges Collection	9,438.00	15,258.00
x) Receipt from Postal Order deposits/RTI Fee	1,528.00	2,725.00
xi) Receipt from Hostel	66,900.00	-
e) Rent Received	3,98,912.00	1,91,508.00
f) Receipt in ARPAN Fund	1,13,421.02	2,88,298.07
g) Employee Health Scheme	88,28,950.00	79,98,200.00
h) Kayakalp Award Money Receipt	1,00,00,000.00	22,73,000.00
i) PMJAY-Ayushman Bharat Claim Receipts	32,72,92,823.00	29,25,88,855.00
j) Unclaimed Creditors more than 3 years old	7,08,567.00	70,09,445.00
k) Unclaimed Earnest Money Deposits more than 3 years old	44,95,126.00	11,49,581.00
l) Unclaimed Security Deposits by Vendor's more than 3 years old	19,20,455.00	5,93,113.00
m) Unclaimed Security Deposits by Employees more than 3 years old	85,000.00	3,35,213.00
n) Institute Overhead Charges (Extramural Fund)	10,67,746.00	-
Total	37,43,82,608.24	33,96,61,670.57


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SCHEDULE [19] INCREASE/ (DECREASE) IN STOCK IN FINISHED GOODS		
Particulars	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
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 2022-23 ₹	Previous Year 2021-22 ₹
Salaries, wages	1,54,81,91,171.00	1,38,17,55,240.00
Allowances	1,25,79,78,940.00	95,87,58,205.00
Contribution to New Pension Scheme	20,42,96,442.00	21,66,94,956.00
Leave Salary and Pension Contribution for deputed Officer/Faculty	66,84,682.00	50,69,170.00
Interest on GPF Contributed by AIIMS	20,40,431.00	-
Staff welfare expenses	1,30,20,323.00	80,61,340.00
Others (Leave Travel Concession)	2,77,29,931.00	2,39,96,307.00
Gratuity	-	-
Total	3,05,99,41,920.00	2,59,43,35,218.00



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SCHEDULE [21] OTHER ADMINISTRATIVE EXPENSES ETC.		
Particular	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
Electricity and Power	15,76,33,225.00	14,51,96,734.00
Repair and Maintenance	5,38,23,850.00	3,85,30,214.00
Advertisement	34,77,673.00	31,06,968.00
Telephone	30,63,531.00	39,87,868.00
Postal charges	1,87,876.00	1,74,139.80
Printing and Stationary	1,44,74,942.00	1,19,77,557.00
Training & Development Expenses	9,18,919.00	2,67,594.00
Entertainment expenses	1,56,999.00	1,82,503.00
Meeting Expenses	38,23,071.00	18,47,206.00
Outsourcing expenses	50,01,74,236.00	37,35,13,772.00
Learning Resource Allowances	87,500.00	2,50,00,000.00
Medicine & Consumables	59,19,38,789.06	66,04,03,383.00
Travelling	1,60,28,954.00	57,70,504.00
Conference/Seminar Expenses	21,62,609.00	24,39,256.00
Software Maintenance Expenses	24,49,872.00	13,95,253.00
Electrical Maintenance Expenses	1,88,45,111.00	1,98,91,552.00
Diet for Patient	3,36,18,053.00	4,47,80,403.00
Books, News Paper, Magazines	39,18,823.00	23,84,499.00
E-Journal Subscription	2,01,14,805.47	1,90,31,317.27
Office Expenses	4,57,708.00	29,70,389.00
Garbage Disposal Expenses	11,52,000.00	24,17,070.00
Rent & Hire Charges	72,86,334.00	44,99,303.00
Fuel Charges	2,75,502.00	11,34,624.00
Professional Legal & Statutory Charges	52,33,813.00	63,77,667.00
Audit Expenses	1,45,715.00	3,21,465.00
Bank Charges	3,14,891.08	1,32,742.06
Insurance	79,882.00	65,271.00
Computer Repair & Maintenance	3,68,323.00	16,71,826.00
Examination Expenses for various recruitment	2,15,201.00	5,80,616.00
Expenses Under Oriana	2,00,000.00	-
Municipal Taxes	40,69,010.00	38,49,000.00
Admission fees (Transfer/Refund)	70,272.00	-
Prize Distribution Expenses	7,32,887.00	3,27,340.00
Stipend Paid to Students	3,45,63,845.00	4,01,10,250.00
General Consumable for Office Management	1,89,85,927.05	1,13,74,505.00
Freight Expenses	-	41,920.00
Book Allowance	1,76,076.00	1,29,857.00
Bag Allowance	8,79,188.00	8,10,112.00
Emolument Paid Under Intramural Fund	21,98,501.00	5,34,695.00
Lease Rent Expenses	2.00	2.00
Convocation Expenses	57,838.00	-
Interest on Taxes and Duties	1,132.00	-
Thesis Expenses	3,41,140.00	-
Sports Activity Expenses	2,76,686.00	40,120.00
Total	1,50,49,80,711.66	1,43,72,69,497.13

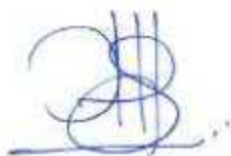

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SCHEDULE [22] EXPENDITURE ON GRANTS, SUBSIDIES ETC.		
Particular	Current Year 2022-23 ₹	Previous Year 2021-22 ₹
a) Grants given to Institution/ Organisations	-	-
b) Subsidies given to institutions/ Organisations	-	-
c) Expenses Under Kayakalp Award Money Receipt	23,616.00	4,71,062.00
Total	23,616.00	4,71,062.00

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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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

UTILIZATION CERTIFICATE FOR THE PERIOD 01.04.2021 TO 31.03.2023

UTILIZATION DETAILS		
Particular		Current Year 2022-23 ₹
Opening Balance of Grants		
GIA- Salary	21,79,05,469.00	84,63,53,861.37
GIA- General	15,40,53,411.02	
GIA- Creation of Capital Assets	14,12,76,255.35	
GIA- Creation of Capital Assets (Non Recurring)	3,50,000.00	
GIA- Creation of Capital Assets (Non Recurring) PM- ABHIM	26,61,00,000.00	
GIA- General (Swatchhata Action Plan)	6,66,68,726.00	
(+) Grant Received During The Year		
GIA- Salary	3,27,00,00,000.00	5,51,50,00,000.00
GIA- General	1,37,00,00,000.00	
GIA- Creation of Capital Assets	85,00,00,000.00	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- Creation of Capital Assets (Non Recurring) PM- ABHIM	-	
GIA- General (Swatchhata Action Plan)	2,50,00,000.00	
(-) Utilization During the Year		
GIA- Salary	3,05,99,41,920.00	5,61,13,18,996.04
GIA- General	1,50,49,80,711.66	
GIA- Creation of Capital Assets	95,79,55,834.44	
GIA- Creation of Capital Assets (Non Recurring)	3,49,560.00	
GIA- Creation of Capital Assets (Non Recurring) PM- ABHIM	-	
GIA- General (Swatchhata Action Plan)	8,80,90,969.94	
(-) Refunded/Adjusted During the Year		
GIA- Salary	16,50,02,136.00	20,41,70,032.49
GIA- General	1,90,72,699.36	
GIA- Creation of Capital Assets	2,00,95,197.13	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- Creation of Capital Assets (Non Recurring) PM- ABHIM	-	
GIA- General (Swatchhata Action Plan)	-	
Unspent Balance on Grants		
GIA- Salary	26,29,61,413.00	54,58,64,832.84
GIA- General	0.00	
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	


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SCHEDULE- 24

SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS AS ON 31.03.2023

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 2023.

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 2022-23 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.

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 not yet conveyed the policy decision whether the retirement benefit for gratuity is applicable to Autonomous Body. Accordingly, no provision for retirement benefit for gratuity etc. are made or accounted for, as being done by other AIIMS including AIIMS New Delhi.
- 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 ₹ 2,57,19,021.00 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. This information has been brought into notice by management before signing of Balance Sheet and hence, necessary provision has been made. The total difference amount of interest is as below:-

S.N.	Financial Year	Interest on GPF to be credited	GPF Interest received from bank	Provision of Interest on GPF
1	2019-20	3,09,336.00	Nil	309339.00
2	2020-21	11,40,210.00	22,819.00	11,17,391.00
3	2021-22	13,85,191.00	9,27,454.00	4,57,737.00
4	2022-23	15,28,314.00	13,72,347.00	1,55,967.00
Total		43,63,051.00	23,22,620.00	20,40,431.00



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SCHEDULE- 25

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

A. CONTINGENT LIABILITIES

- Nil

B. COMMITTED LIABILITIES

- Following are amount which has been capitalized during the year and hence taken as committed liabilities. The bank has lien marked the same. Letter of Credit opened by Bank on behalf of the entity, for which the payments are due to be paid, as on 31.03.2023 are follow:-

LC No.	LC VALUE	UTILIZED	CURRENT	RATE	LC Value in INR	Margin
9357FLCDP190017	17,110.00	12,832.50	4,277.50	72.39	3,09,648.23	3,56,095.46
9357FLCDP190012	7,635.00	-	7,635.00	71.55	5,46,284.25	6,28,226.89
9357FLCDP180007	34,869.80	-	34,869.80	80.69	28,13,644.16	32,35,690.79
9350FLCDP230001	2,97,500.00	-	2,97,500.00	83.40	2,48,11,500.00	2,85,33,225.00
9350FLCDP220003	71,100.00	49,770.00	21,330.00	78.05	16,64,806.50	19,14,527.48
9350FLCDP220004	6,638.00	-	6,638.00	80.40	5,33,695.20	6,13,749.48
9350FLCDP220006	7,00,000.00	-	7,00,000.00	83.14	5,81,98,000.00	6,69,27,700.00
9357FLCDP200013	5,35,635.00	4,98,140.55	37,494.45	76.65	4,10,56,422.75	4,59,07,206.66
9357FLCDP200014	32,705.00	22,893.50	9,811.50	76.77	7,53,228.86	8,66,213.18
9357FLCDP200017	1,49,408.00	1,04,585.60	44,822.40	76.12	34,11,881.09	39,23,663.25
9357FLCDP190002	8,239.25	7,415.28	823.97	82.19	67,722.09	77,880.41
9357FLCDP200002	31,207.00	-	31,207.00	72.33	22,57,202.31	25,95,782.66
9357FLCDP200005	21,588.00	16,191.00	5,397.00	71.51	3,85,939.47	4,43,830.39
9357FLCDP190014	3,66,736.50	3,66,736.50	-	-	-	-
9357FLCDP200018	1,44,287.60	1,42,287.59	2,000.00	86.76	1,73,520.00	1,99,548.00
9357FLCDP170007	41,800.00	29,260.00	12,540.00	83.40	10,45,836.00	12,02,711.40
9357FLCDP190006	17,80,833.00	17,80,833.00	-	-	-	-
Total Margin						15,74,26,051.04

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		2022-23	2021-22
i	Purchase of Finished Goods	Nil	Nil
ii.	Raw Material & Components (Including in Transit)	Nil	Nil
iii.	Capital Goods	₹ 1,43,12,017.44	₹ 1,85,73,214.82
iv.	Stores, Spares and Consumables/Software renewal	₹ 2,01,00,553.02	₹ 1,85,66,235.27

F. Bank Guarantee/ FDR Detail

PSD in the form of Bank Guarantee and FDR kept in AIIMS, Raipur as on dated 31.03.2023 is as below:-

S.N.	Department	Amount in ₹
1	Project Cell for Packages/DPR Works	54,68,59,277.00
2	Project Cell for Non-DPR Works	57,72,228.00
3	Administration	2,31,10,983.25
4	Stores Central	17,02,70,866.33
5	Stores Hospital	2,47,05,917.60
6	Security Department	37,06,500.00
7	Assistant Controller of Examinations	25,00,000.00
8	IT Cell	3,24,305.00

Along with above Administration Department, AIIMS Raipur has \$ 61,473.80 as BG/FDR.

G. Other Notes

1. Corresponding figures for the previous year has been re-grouped and re-arranged wherever found necessary.
2. Schedule 1-25 are annexed to and form an integral part of the Balance Sheet as on 31.03.2023 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	46,85,263.00
2	Furniture & Fixtures	17,91,420.00
Total		64,76,683.00

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, 2023 and April, 2023 was released in the month of April, 2023, as being done in Government Organization.
5. During the Financial Year the Institute has refund the Interest earned on GIA upto 31.03.2022 amounting to ₹ 4,31,08,533.00 into the Consolidated Fund of India.
6. Advance to M/s. HLL standing in books of account towards construction of PICU for ₹4,70,13,600.00 has been transferred to Building Account on 31.03.2023. This information has been brought into notice on 23.05.2023 by the PICU in-charge that the unit has been in use since July 2020. The information was received before signing Balance Sheet and so we have transferred it on 31.03.2023, and accordingly depreciation has been calculated from the financial year 2020-21.
7. 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.

8. Since the TSA was implemented during the mid course of the Financial Year, the Institute has maintained the Commercial Bank Accounts wherein the GIA were received till the assignment was issued through TSA. With the introduction of TSA the Ministry had also directed to surrender all the saving of GIA under the Commercial Bank Accounts to the CFI. Accordingly, an amount of ₹ 1,72,29,186.00 towards saving of GIA Capital was surrendered to CFI pertaining to Financial Year 2022-23 on 15.05.2023. However, provision has been made for the amount of ₹ 1,32,25,223.78 because while finalizing balance sheet the management came to know that outstanding saving to surrender is ₹1,32,25,223.78. Therefore, extra amount of ₹ 40,03,962.22 refunded, will be adjusted in FY 2023-24. Similarly the Institute has surrendered an amount of ₹ 16,50,02,136/- under GIA Salary before the closure of financial year.
9. The Institute has transferred following unclaimed amount which have been overdue for more than 3 complete Accounting Years, as of 31.03.2023 under **Schedule-18 [Other Income]**:-

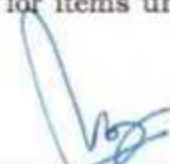
S. No.	Particulars	Amount in ₹
1	Earnest Money Deposits	44,95,126.00
2	Security Deposits Vendor's	19,20,455.00
3	Unclaimed Creditors	7,08,567.00
4	Security Deposits Employee	85,000.00
Total		72,09,148.00

H. COMPLIANCE OF SAR OBSERVATIONS FOR FINANCIAL YEAR 2021-22.

- In regard to Part-A para no. 2.2.1, 2.2.2, 2.2.3, 2.2.4, Part-B para no. 1.2 and Part-C para no. 7, with compliance of Audit Observation necessary entries has been made in the Annual Account 2022-23.
- In regard to Part-C para no. 2 it is mentioned that payment of ₹ 8,87,13,870.14 is pending for payment against the Purchase Orders issued for items under Capital expenditure.



B.K. AGRAWAL
FINANCIAL ADVISOR



Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR & CEO



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

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