

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

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



आरोग्यम् सुख सम्पदा

8th

ANNUAL
REPORT

2019-20





आरोग्यम् सुखं सम्पदा

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

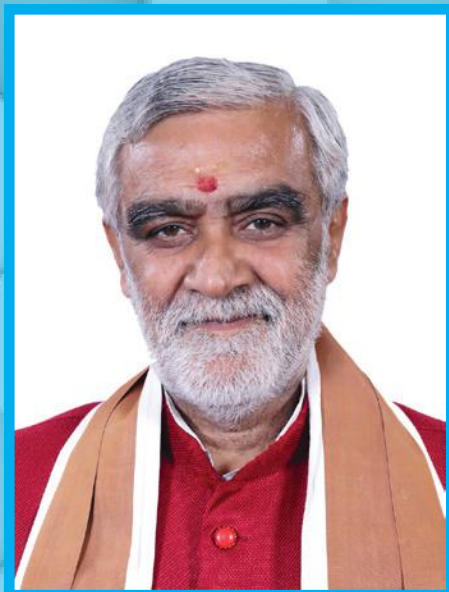
(AN AUTONOMOUS INSTITUTE UNDER THE MINISTRY OF HEALTH AND FAMILY WELFARE, GoI)

8th ANNUAL REPORT

Dr. Harsh Vardhan
Hon'ble Cabinet Minister
Ministry of Health and Family Welfare, GoI



Shri Ashwini Kumar Chaubey
Hon'ble Minister of State
Ministry of Health and Family Welfare, GoI





आरोग्यम् सुखं सम्पदा

JOINTLY EDITED BY

Prof.(Dr.) Suryaprakash Dhaneria

Dean (Academics) & H.O.D., Pharmacology

Shri P.K. Ray

Deputy Director (Admin.)

Dr. Nitin R. Gaikwad

Registrar & Additional Professor, Dept. of Pharmacology

Dr. Lokesh Kumar Singh

Associate Professor, Dept. of Psychiatry

Dr. Satyaki Ganguly

Associate Professor, Dept. of Dermatology

Dr. Vinita Singh

Associate Professor, Dept. of Obstetrics & Gynecology

Shri Milind Mujumdar

Assistant Controller of Examination

Shri Shiv Shankar Sharma

Public Relations Officer



आरोग्यम् सुख सम्पदा

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR

INTRODUCTION

AIIMS Raipur is one of the new apex healthcare institutes established by the Ministry of Health and Family Welfare, Government of India under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY) on the pattern of AIIMS, New Delhi. The Institute has been established with the aim of correcting regional imbalances in quality tertiary level healthcare in the region and attaining self sufficiency in graduate and postgraduate medical education and training in this hitherto under-served area of the country.

MISSION STATEMENT

To establish a centre of excellence in medical education, training, health care and research imbued with scientific culture, compassion for the sick and commitment to serve the under-served. A mission to bestow world class services to the people of Chhattisgarh and surrounding areas in particular and the nation in the broader aspect.

The logo of AIIMS Raipur is amalgamated with the Sanskrit words “आरोग्यम् सुख सम्पदा” which translates into “Health, Happiness and Prosperity” thus linking health with happiness and prosperity.

MEDICAL AND NURSING COLLEGES

All the pre-clinical and para-clinical departments of the Medical College viz. Anatomy, Physiology, Biochemistry, Pathology, Microbiology, Pharmacology, Forensic Medicine & Toxicology and Community & Family Medicine are functional and located in their respective earmarked spaces. The College of Nursing has started functioning in its own building near Medical College since November, 2015.



आरोग्यम् सुख सम्पदा

AIIMS RAIPUR AT A GLANCE

2019-20

Data as on March 2020

Academic Details

Teaching Departments	31	Non-faculty staff	2163
Faculty members	149	Medical Students Intake	100
Faculty members (Nursing)	02	Nursing Students Intake	60

HOSPITAL SERVICES

(from 01.04.2019 to 31.03.2020)

Hospital/ Centre	Outpatients (including casualty)	Admissions	Surgery (Operations/ procedures)	Beds General
Main Hospital	5,30,050	23,846	Major 7,619	800
			Minor 6,771	

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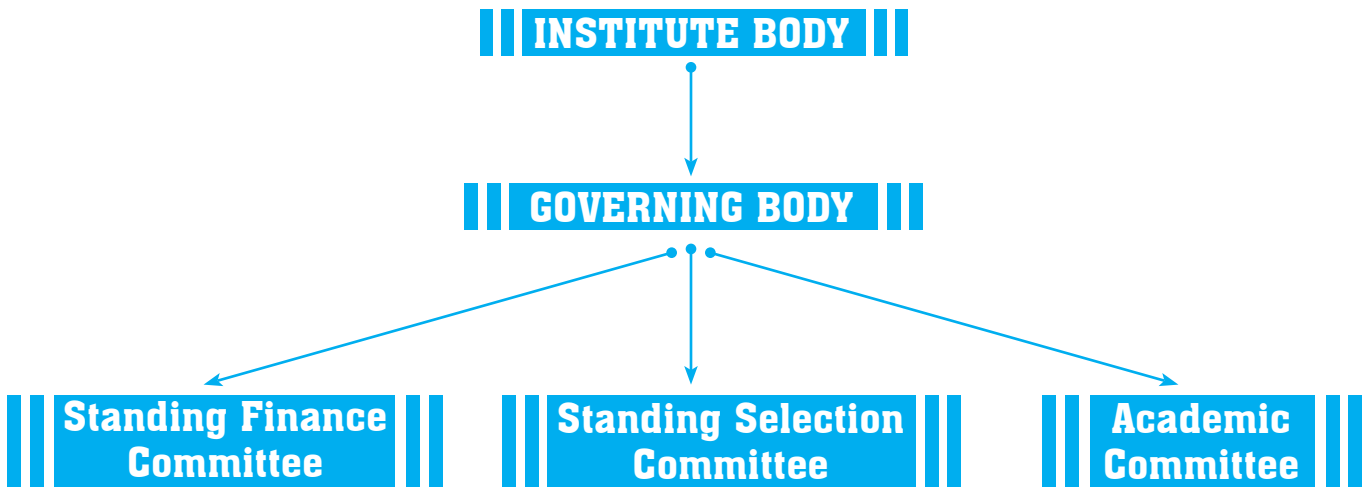
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आरोग्यम् सुखं सम्पदा

AIIMS - ORGANISATIONAL STRUCTURE



DIRECTOR'S REVIEW



It gives me immense pleasure and satisfaction to present the 8th Annual Report and the Audited Statement of Accounts of AIIMS Raipur, for the Financial Year 2019-20. It is pertinent to mention here that the institute witnessed remarkable progress in academics, patient care and research during this financial year. The institute is now one of the premier medical and educational hubs in Central India.

The number of seats in MBBS and B. Sc. (Hons.) Nursing Course will be increased from 100 to 125 and 60 to 75, respectively, after implementation of EWS quota, from July 2020 session. With the approval of the Academic Committee, the number of postgraduate seats in various departments have been increased from 92 to 127. Academic front of the institute has been further strengthened with approval of more Superspeciality courses (DM/MCh) in various departments like Cardiology, Cardiothoracic and Vascular Surgery, Neurosurgery, Nephrology, Burns, plastic surgery and reconstructive surgery, Head neck and Oncosurgery, in addition to previously approved DM/MCh courses in Clinical Pharmacology, Pulmonary Medicine and Paediatric Surgery. Academic Committee has also accorded its approval to start DM in Paediatric Emergency, first of its kind Superspeciality course in India. Academic Committee has also approved Ph D Courses in various departments which will give boost to research activities in our institute.

Three batches of MBBS (2012, 2013 and 2014) and B. Sc. (Hons.) Nursing (2013, 2014 and 2015) have successfully completed their course. Fourth batch of MBBS students (2015) is undergoing One-year compulsory rotatory internship. The first batch of MD/MS and Post-Doctoral Certificate Course will appear in their Final Examination in August 2020. The students, both undergraduate and postgraduate, of AIIMS Raipur brought laurels to the institute with their excellence in various conferences, quizzes at state and national levels. The selection of MBBS and Nursing graduates for postgraduate courses in various prestigious institutions of India as well as in well-known overseas Medical Universities reflects the academic worth of the institute. With the aim to develop competent, compassionate medical graduates, the institute has adopted New MBBS Curriculum from MBBS 2019 Batch, approved by Academic Committee. The institute offers 11-months contractual appointments to our students of B. Sc. (Hons.) Nursing.

MBBS graduates of AIIMS Raipur get preference for the post of non-academic Junior Residents.

Human resource plays a central role in the development of an institute and therefore, one of the integral components of progress of our institute has been expansion of AIIMS Raipur family –Faculty members, Senior and Junior Residents, Nursing Officers, Assistant Nursing Superintendent and

non-teaching staff, in this financial year, through regular and contractual recruitment done at periodic intervals.

Our institute is catering to the patient care services to not only people of Chhattisgarh, but also to the adjoining states. Majority of the Superspeciality departments, 24 x 7 Trauma and Emergency department, AYUSH department are fully functional. The team efforts of dedicated and motivated faculty members and other supporting staff resulted in a significant rise in OPD and IPD patients. The bed strength has been escalated to 800 in this financial year and will reach to its optimum strength of 960 soon. Twenty Eight State-of-art Module Operation Theatres are fully functional. The hospital is also has fully functional ICU, HDU, NICU and PICU.

Diagnostic departments are well equipped with modern equipment and are rendering regular services. Our institute has functional State-of-art State Level Virus Research and Diagnostic Laboratory (VRDL) and Mycobacteriology Laboratory will be soon functional. I feel proud and satisfied to put on record here that with the emergence of COVID – 19 pandemic, our VRDL lab was the first laboratory in Chhattisgarh State to offer COVID testing facilities. HICC Champion Award 2020 to Hospital Infection Control Committee of our institute is testimony to the best infection control practices followed in our hospital.

AMRIT pharmacy located within the hospital premises provides medicines at a discounted price to the patients. The hospital also extends services to the community through Urban Health Training Centre and Rural Health Training Centre. In addition, Telemedicine OPD services are being provided regularly to remote areas of the State in collaboration with paramilitary forces. Ayushman

Bharat - Pradhanmantri Jan Aarogya Yojana has been implemented in our hospital and many needy patients are benefited through this scheme. Poor patients are availing the ARPAN scheme and the institute has also established Rogi Kalyan Samiti.

The institute has constituted various committees like Institutional Research Cell, Institutional Ethics Committee, PG Thesis Review Committee to promote various research activities amongst faculty, PG and UG students. During this year, 14 extramural, 14 intramural, 12 ICMR-STs and 159 academic projects have been approved. Our institute has MoU with various reputed institutes like NIT Raipur, IIM Raipur, Jan Swasthya Sahyog, Ganiyari and also with Government of Chhattisgarh which has expanded the horizon for collaborative research. For overall development of students, the institute also promotes co-scholastic activities like student fest "ORIANA" and National Service Scheme (NSS).

The construction work of hospital is complete and all the blocks are fully functional. State-of-art Auditorium and ETP are also functional. The construction of Academic and Administrative Block for the institute is under progress. The construction work of an additional Lecture Theatre (LT- 5) is also on the verge of completion. The construction of School of Public Health at Naya Raipur, Phase – II of Housing Project and Simulation Lab shall commence in near future.

AIIMS Raipur is always blessed with kind support from Ministry of Health and Family Welfare, Government of India and we are thankful for the same. The love and belief of people of Chhattisgarh on us as a Team makes our responsibility broader. I am sure that our committed team will not leave any stone unturned to give best academic output, the best patient care and high quality research.

Jai Hind!

Prof. (Dr.) Nitin M. Nagarkar

Director and CEO

All India Institute of Medical Sciences
Raipur, Chhattisgarh

INSTITUTE BODY (IB)

No.	Name of Member	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 Kumar 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, GoI, New Delhi	Member
6.	Director General of Health Services Ministry of Health & Family Welfare, GoI, New Delhi	Member
7.	Additional Secretary and Financial Advisor Ministry of Health & Family Welfare, GoI, New Delhi	Member
8.	Ms. K. Sujatha Rao Former Secretary to the Govt. of India 153, Prashasan Nagar, Jubilee Hills, Hyderabad	Member
9.	Chief Secretary Government of Chhattisgarh	Member
10.	Dr. A. K. Chandrakar Vice-Chancellor Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh, Raipur	Member
11.	Prof. (Dr.) T. S. Ravikumar Former Director JIPMER, Puducherry	Member
12.	Prof. Gangadhar Former General Secretary Indian Science Congress Association	Member
13.	Prof. Bharat Bhasker Director, Indian Institute of Management Atal Nagar, Raipur, Chhattisgarh	Member
14.	Prof. (Dr.) Vinod Paul Member, NITI Aayog, Government of India	Member
15.	Prof. (Dr.) V. Ravi Professor, National Institutes of Mental Health and Neurosciences (NIMHANS), Department of Neurovirology, Bengaluru, Karnataka	Member
16.	Prof. (Dr.) Jagdish Chandra Director, Lady Hardinge Medical College, New Delhi	Member
17.	Prof. (Dr.) Nitin M. Nagarkar Director, All India Institute of Medical Sciences, Raipur, Chhattisgarh	Member Secretary

GOVERNING BODY

S. No.	Name of Members	Designation
1.	Prof. (Dr.) George A D'Souza, Dean St. John's Medical College Bengaluru	Chairman
2.	Hon'ble Member of Parliament Lok Sabha	Member
3.	Hon'ble Member of Parliament Rajya Sabha	Member
4.	Secretary Ministry of Health and Family Welfare, Gol, New Delhi	Member
5.	Director General of Health Services Ministry of Health & Family Welfare, Gol, New Delhi	Member
6.	Additional Secretary and Financial Advisor Ministry of Health & Family Welfare, Gol, New Delhi	Member
7.	Prof. Bharat Bhasker Director Indian Institute of Management Atal Nagar, Raipur, Chhattisgarh	Member
8.	Chief Secretary Government of Chhattisgarh	Member
9.	Prof. T. S. Ravikumar Former Director, JIPMER, Puducherry	Member
10.	Prof. (Dr.) Nitin M Nagarkar Director All India Institute of Medical Sciences Raipur, Chhattisgarh	Member Secretary

STANDING FINANCE COMMITTEE

S. No.	Name of Members	Designation
1.	Secretary Ministry of Health and Family Welfare Government of India, New Delhi	Chairman
2.	Hon'ble Member of Parliament Lok Sabha	Member
3.	Director General of Health Services Ministry of Health & Family Welfare, GoI, New Delhi	Member
4.	Additional Secretary and Financial Advisor Ministry of Health & Family Welfare, GoI, New Delhi	Member
5.	Chief Secretary Government of Chhattisgarh	Member
6.	Prof. (Dr.) V. Ravi Professor, National Institutes of Mental Health and Neurosciences (NIMHANS) Department of Neurovirology Bengaluru, Karnataka	Member
7.	Prof. (Dr.) Nitin M. Nagarkar Director All India Institute of Medical Sciences Raipur, Chhattisgarh	Member Secretary

ACADEMIC COMMITTEE

S. No.	Name of Members	Designation
1.	Prof. Vinod Paul Member NITI Aayog, Government of India	Chairman
2.	Hon'ble Member of Parliament Rajya Sabha	Member
3.	Dr. A.K. Chandrakar Vice Chancellor Pt. Deendayal Upadhyay Memorial Health Sciences and Ayush University of Chhattisgarh Raipur	Member
4.	Prof. V. Ravi Professor, National Institutes of Mental Health and Neurosciences (NIMHANS) Department of Neurovirology Bangalore, Karnataka	Member
5.	Prof. Bharat Bhasker Director, Indian Institute of Management Atal Nagar, Raipur, Chhattisgarh	Member
6.	Prof. (Dr.) Nitin M. Nagarkar Director All India Institute of Medical Sciences Raipur, Chhattisgarh	Member Secretary

ACADEMIC CUM EXAMINATION SECTION

Dr. S.P. Dhaneria Dean (Academics) Professor & Head Department of Pharmacology	Dr. Alok C. Agrawal Associate Dean (Academics) Professor & Head Department of Orthopaedics	Dr. Nitin Gaikwad Registrar Additional Professor Dept. of Pharmacology
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The Academic-cum-Examination Section was set up in April 2013. Dr. S P Dhaneria, Professor and Head, Department of Pharmacology is Dean (Academics).

Dr. Nitin Gaikwad, Additional Professor, Department of Pharmacology is Registrar.

Dr. Alok C. Agrawal, Professor & Head, Department of Orthopaedics has been appointed as Associate Dean (Academics) from 02.04.2019 onwards.

The Section has been entrusted with the responsibility of all Academic matters pertaining to the students and faculty of the institute as also examination work of the students admitted to the institute.

MBBS and B.Sc. (Hons) Nursing courses are being run since 2012 and 2013 respectively. The postgraduate courses (MD/MS) have been started from July 2017 with annual intake of 35 seats and gradually increased with the approval of Academic Committee of the Institute. The current intake is 127 seats per annum. M.Sc. Nursing (Psychiatric) was started from July 2018 onwards with annual intake of 2 seats which was increased to 04 seats per annum from July 2019. Till January 2020 session, a total of 161 students are studying in different postgraduate courses and 5 students in M.Sc. Nursing (Psychiatric) course.

Following courses has been started from July 2019 session at AIIMS Raipur:

Course	Department/Subject	Duration of Course	Annual Intake
Ph.D.	Physiology	3 years	2
	Nuclear Medicine		2
Post Doctoral Certificate Courses	Anaesthesiology/ Neurosurgical Anaesthesia/ Critical Care	1 year	2
	Radiodiagnosis/ Cardiothoracic and Vascular Imaging and Interventional Radiology		2
	Paediatrics/ Paediatric Critical Care/ Neonatology		4
			4
Master of Public Health (MPH)	Community & Family Medicine	2 years	6
Paramedical Courses	B.Sc. in Operation Theatre Technology	3 ½ years	8
	B.Sc. in Medical Technology in Radiography	3 years	5
	Bachelor in Audiology and Speech Language Pathology	3 years + 1 year internship	4
	B.Sc. in Medical Laboratory Technology	3 years	8
	Advanced Diploma in Radiotherapy Technology	2 years + 1 year internship	2
Certificate Course	Pre-Hospital Trauma Technician	1 year	10

In addition, the 5th Academic Committee approved the following courses:

Course/ Duration	Department	Annual Intake
Ph.D./ 3 years	Biochemistry	2
	Pathology & Lab Medicine	2
	Forensic Medicine & Toxicology	2
	Community & Family Medicine	2
	Orthopaedics	2

Super Speciality Courses

Course/ Duration- 03 Years	Annual Intake
DM Cardiology	2
DM Nephrology	2
DM Paediatric Emergency Medicine	2
MCh Urology	2
MCh Cardiovascular and Thoracic Surgery	2
MCh Neurosurgery	3
MCh Plastic Surgery and Reconstructive Surgery	2
MCh Head-Neck Surgery and Oncology	2

Course	Department	Subject	Duration of Course	Annual Intake
Post Doctoral Certificate Courses	Anaesthesiology	Cardiac Anaesthesia	1 year	3
		Pain and Palliative Care		2

Details of the courses:

MBBS

Batch	Annual Intake	Students admitted	Studying in	Exam scheduled in	Remark
2012	50	50	—	—	Completed the course.
2013	100	100	—	—	Completed the course.
2014	100	89	—	—	Completed the course.
2015	100	100	—	—	Posted for one year compulsory rotational internship from January 2020.
2016	100	100	3 rd Professional	December 2020	—
2017	100	100	3 rd Professional	December 2021	—
2018	100	100	2 nd Professional	December 2020	—
2019	100	100	1 st Professional	July 2020	—

The students of 2012, 2013 and 2014 batches are pursuing postgraduate courses at various esteemed central and state medical colleges.

B.Sc. (Hons.) Nursing

Batch	Annual Intake	Students admitted	Studying in	Exam scheduled in	Remark
2013	60	60	—	—	Completed the course.
2014	60	60	—	—	Completed the course.
2015	60	60	—	—	Completed the course.
2016	60	60	4 th Year	July 2019	—
2017	60	60	3 rd Year	July 2019	—
2018	60	60	2 nd Year	July 2019	—
2019	60	60	1 st Year	July 2019	—

The Three batches of B.Sc. (Hons) Nursing course (admitted in 2013, 2014, and 2015) 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	3 rd year	June/July - 2020
Jan - 2018		25	2 nd year	Dec. 2020/Jan - 2021
July - 2018	71	22	1 st year	June/July - 2021
Jan - 2019		42	1 st year	Dec. 2021/Jan - 2022
July - 2019	92	36	1 st year	June/July - 2022
Jan - 2020		56	1 st year	Dec. 2022/Jan - 2023

M.Sc. Nursing (Psychiatric)

Session	Annual Intake	Students admitted	Studying in	Exam scheduled in
July - 2018	02	02	2 nd year	July - 2020
July - 2019	04	04	1 st year	July - 2021

Regular Weekly Academic Meeting is held for faculty members and senior residents for the purpose of dissemination of knowledge and sharing of views.

Weekly Academic Meetings held in 2019-20

Date	Speaker	Department	Topic
05.04.2019	Dr. Chandrashekhar Shrivastava	Obstetrics & Gynaecology	Levonorgestrel Intrauterine System in Abnormal Uterine Bleeding
13.09.2019	Dr. Jiten Kumar Mishra	Burns and Plastic Surgery	Microvascular Reconstruction of Bony defects with free fibula flap; An Optimal Choice-Our early experience.
20.09.2019	1. Dr. Alok C. Agrawal 2. Dr. Bikram Keshari Kar 3. Dr. Harshal Sakale	Orthopaedics	1. Brief Introduction 2. Chondrosarcoma, Where we are 3. Knee Arthroscopy-Probe with Scope
27.09.2019	1. Dr. Somen Misra 2. Dr. Vijaya Sahu 3. Dr. Lubna Khan	Ophthalmology	1. Brief Introduction 2. Retinopathy of Prematurity - An Overview 3. Current Indications of Amniotic Membrane Transplantation in Ophthalmic Disorders.

Date	Speaker	Department	Topic
04.10.2019	1. Dr. Anil Kumar Sharma 2. Dr. Nitish Nayak 3. Dr. Vaibhav Nasre	Neurosurgery	1. Spectrum of Neurosurgical procedures at our Institute 2. Traumatic brain injury-Recent Guidelines 3. A rare case of C2 aneurysmal bone cyst
01.11.2019	1. Dr. Vinay Rathore 2. Dr. Varumn Mamidi	Nephrology	1. Introduction of Department of Nephrology 2. Chronic Kidney Disease of unknown origin
04.11.2019	Dr. Nalin Mehta, AIIMS New Delhi	—	Ethical issues in Research and Healthcare Delivery
08.11.2019	1. Dr. Narendra Kuber Bodhey 2. Dr. Saroj Kumar	Radiodiagnosis	1. Reminiscing the journey of Radiology from 2013 till date 2. Radiologic Vignettes – Interesting cases
11.10.2019	Dr. Sai Krishna Tikka	Psychiatry	Suicide – What ‘every’ medical professional should know?
15.11.2019	Dr. Siddhartha Nanda	Radiotherapy	Management of Locally Advance Breast Cancer – Radiation Oncologist’s Perspective
29.11.2019	1. Dr. Ramesh Chandrakar 2. Dr. Minal Wasnik 3. Saurabh Lahare	Transfusion Medicine and Blood Bank	Haemovigilance in India-From Policy to Practice
06.12.2019	1. Dr. Niraj Kumar Srivastava 2. Dr. Varun Anand, Dr. Santosh K Rathia	Trauma and Emergency Medicine	1: Domains of Trauma and Emergency 2: Paediatric Emergency Medicine – A New Concept
13.12.2019	1. Satyaki Ganguly 2. Dr. Hitesh Yadav	Dermatology	1. Introduction 2. Burn the fungus-Irritant contact dermatitis due to over the counter preparation in dermatologist
20.12.2019	1. Dr. Samarjit Dey 2. Dr. Chinmay Kumar Panda	Anaesthesiology	1. Status of acute pain service in AIIMS Raipur and its scope beyond 2. Interesting cases managed in critical care unit of the department of Anaesthesiology, AIIMS Raipur
07.02.2020	Dr. Manish J Raghani	Dentistry	Mandibular Condylar Fracture – Tooth Sized Anatomy; Limb Sized Disability
14.02.2020	Dr. Preetam Sahani	CTVS	A Brief History of Cardiac Surgery
13.03.2020	Dr. Seema Shah	Biochemistry	Basics of Stem Cell Therapy

Performance of students in examination

Jul-19				
Name of Exam	No. of Students Appeared	No. of Students passed	No. of Students failed	Percentage
B.Sc. (Hons) Nursing 1st Year	58	54	04	93%
B.Sc. (Hons) Nursing 2nd Year	61	55	06	90.16%

Jul-19				
Name of Exam	No. of Students Appeared	No. of Students passed	No. of Students failed	Percentage
B.Sc. (Hons) Nursing 3rd Year	58	55	03	94.83%
B.Sc. (Hons) Nursing 4th Year	58	55	03	94.83%
M.Sc. Nursing- Psychiatric Nursing 1 st year	02	02	0	100%
MBBS 1st Prof	103	83	20	81%

Dec-19 (Final) / Jan-20 (Compartment Exam)				
Name of Exam	No. of Students Appeared	No. of Students passed	No. of Students failed	Percentage
MBBS 2nd Prof	96	73	23	76.04%
MBBS 3rd Prof	97	82	15	84.54%

ADMINISTRATION

Deputy Director (Administration)

Shri Neeresh Sharma

Senior Administrative Officer

Shri Milind Mujumdar (Addl. charge till 12.05.2019)

Shri Parijat Diwan (from 13.05.2019)

Stores Officer (Central Stores)

Shri V. Sitaramu (Addl. charge till 17.09.2019)

Shri Parijat Diwan (Addl. charge from 18.09.2019)

Stores Officer (Hospital Stores)

Shri Rishi Gupta (till 16.08.2019)

Shri V. Sitaramu (Addl. charge from 18.09.2019)

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 meetings 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 4089 which includes staff of all Centers/Main Hospital/D.O. The number of group-wise sanctioned strength and staff in-position as on 31.03.2020 is mentioned below:

S. No.	Category/Group	Sanctioned Strength	In-position
1.	Faculty members	305	149
2.	'A'	930	498
3.	'B'	2228	1001
4.	'C'	626	664
	Total	4089	2312

FOR THE FY-YEAR 2019-20

HINDI CELL:

Letters Received	Letters Disposed Of
1362	1362

RTI CELL:

Letters Received	Letters Disposed Of
672	672

PG PORTAL:

Letters Received	Letters Disposed Of
62	62

SEXUAL HARASSMENT COMPLAINTS:

Letters Received	Letters Disposed Of
0	0

RAJBHASHA CELL

Chairman, Departmental Official Language Implementation Committee

Prof.(Dr.) Nitin M. Nagarkar
Director, AIIMS Raipur

Deputy Director (Administration)

Shri Neeresh Sharma

Rajbhasha Adhikari and Senior Administrative Officer

Shri Parijat Diwan (Upto 23Feb, 2020)

Rajbhasha Adhikari and Public Relations Officer

Shri Shiv Shankar Sharma

Nodal Officer and Junior Administrative Officer

Shri Amit Kumar Banjare

Junior Hindi Translators

Shri Sharukh Khan
Shri Madhuragi Shrivastava
Shri Kishan K Das

Members

All HoDs and Officers
AIIMS Raipur

Major Initiatives Taken by Rajbhasha Cell during FY 2019-20

1. Quarterly meetings of Rajbhasha Committee were held on 20 April, 3 August, 5 October, 2019 and on 20 February, 2020. Prof.(Dr.) Nitin M. Nagarkar, Director, AIIMS and Chairman, Rajbhasha Committee, AIIMS Raipur reviewed progress made under Rajbhasha Act and instructed all HoDs to ensure implementation of direction given by Rajbhasha Commission, Ministry of Home Affairs, Gol.
2. Rajbhasha Workshop was organized on 26 June, 23 September and 30 December, 2019.
3. AIIMS Raipur is an important constituent of Nagar Rajbhasha Implementation Committee in Raipur. First half-yearly meeting of the committee was held on 26 April, 2019 and the second was held on 26 September, 2019 under the Chairmanship of Divisional Railway Manager.
Prof.(Dr.) Nitin M. Nagarkar, Director, AIIMS Raipur, Dean Dr. S.P. Dhaneria, Shri Neeresh Sharma, Deputy Director (Administration), Shri Parijat Diwan, Rajbhasha Adhikari and Senior Administrative Officer and Shri Amit Kumar Banjare, Junior Administrative Officer participated in the meeting organized at AIIMS, Raipur.
4. 8th National Workshop on Hindi was organized by Ministry of Health and Family welfare, Gol. from 30 October to 1 November, 2019 at All India Institute of Speech and Hearing, Mysore, Karnataka. Prof.(Dr.) Nitin M. Nagarkar, Director, AIIMS Raipur, Shri V. Sitaramu, Administrative Officer, AIIMS Raipur and Shri Amit Kumar Banjare, Junior Administrative Officer participated in the workshop.
5. 9th National Workshop on Hindi was organized by Ministry of Health and Family welfare, Gol. from 16 to 18 January, 2020 at All India Institute of Medical Sciences, Jodhpur. Shri Shiv Shankar Sharma, Public

Relations Officer, AIIMS Raipur, Shri Diwakar Lokhande, PS(DDA) and Shri Amit Kumar Banjare, Junior Administrative Officer participated in the workshop. Shri Umesh Kumar Pandey, Junior Reception Officer, AIIMS Raipur participated in Shri Jagdambi Prasad Yadav Smriti Pratishthan and International Hindi Council at Bhubaneshwar, Odisha.

6. Hindi Pakhwada was organized at AIIMS Raipur, from 24th to 28th September, 2019. Different competitions including medical terminology in hindi, Essay, Speech, Summarization and Quiz Competitions were organized. Winners were felicitated by the guests.

Rajbhasha Cell is ensuring that the various mandatory provisions under Official Language Act are followed at AIIMS, Raipur. Following initiatives have been taken for it:

1. Second issue of Hindi Magazine 'Spandan' was released by Divisional Railway Manager Shri Kaushal Kishore at the first half-yearly meeting of Nagar Rajbhasha Implementation Committee on 26.04.2019.
2. AIIMS Raipur website and several informations on it were made bilingual.
3. All the Notice Boards in different buildings of AIIMS, Raipur were made bilingual.
4. Hindi Quotations and Terminology words are being put up at entrance of Medical College and Hospital.
5. Hindi books were given to the winners during Hindi Pakhwada programmes.
6. Special Training programmes for non-hindi speakers were organized to impart knowledge of Hindi Language.

FINANCE & ACCOUNTS

FINANCIAL ADVISOR

SHRI B. K. AGRAWAL, ICAS

ACCOUNTS OFFICERS

Shri M.P. Dubey

Shri S.A. Alvi

The Finance & Accounts Wing of AIIMS Raipur is headed by the Financial Advisor who is assisted by FC&AO, 5 Accounts Officers; and number of Assistant Accounts Officer, Junior Accounts Officer and Account Assistants. Each branch is headed by an Account Officer with supportive staffs. Broadly the Finance & Accounts Wing looks after the Budget Management, Cash Flow, Expenditure Control, Financial vetting & concurrence of procurement proposals as per GFR, Payments including Salary, third party payments like vendor bills related to procurements, payments of bills related to Project Work, Payments to HITES/HLL, HEFA Loan Managements, Preparation of Annual Accounts & Financial Statements, CAG & Internal Audit compliances etc. A brief description of duties & responsibilities assigned to Finance & Accounts Wing are as below:

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

CIVIL WING

Executive Engineer (Civil)

Er. Manoj Rastogi

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 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 31.03.2020)

Status of construction in AIIMS Raipur including Arbitration / Court case (As on 31.03.2020) is mentioned below:

AIIMS PC	Package	Agency	Approved Contract Value (Rs.cr)	Physical Progress of construction (%)	Actual payment till date	Date of Completion/ EDC
HSCC (INDIA) LIMITED	Pkg - I Medical College	M/s Punj Lloyd Ltd.	115.21	100	128.30	30.04.2020
	Pkg - II Hospital Complex	M/s B.L. Kashyap & Sons Ltd.	262.40	100	315.87	30.04.2020
	Pkg - III Electrical Services	M/s Ahluwalia (Contractcs) India Ltd.	35.86	100	36.42	30.04.2020
	Pkg - IV Estate Services	M/s B.L. Kashyap & Sons Ltd.	63.33	100	61.43	30.04.2020

Note:

1. Virtual Completion Certificates to Package I, II, III & IV have been issued by AIIMS, Raipur.
2. Actual payment till date includes the Advance payment (75% or less) of RA Bills and 50% of GST RA Bills released to packages due to delay in processing / checking of bills by M/s HSCC (India Ltd.) to give some financial relief to the packages in the interest of the work and to complete the project as soon as possible.

PACKAGE – I
MEDICAL COLLEGE & HOSTEL COMPLEX

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
Expected Date of Completion	:	31.05.2020
Physical Progress		100 %
Fund released so far	:	128.30 Crores

BRIEF SCOPE OF WORK

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

PACKAGE – II HOSPITAL COMPLEX

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
Expected Date of Completion	:	30.04.2020
Physical Progress	:	100 %
Fund released so far	:	315.87Crores

Package - II Main Hospital Building



Trauma Centre



PMR & AYUSH

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

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
Expected Date of Completion	:	30.04.2019
Physical Progress	:	100 %
Fund released so far	:	36.42 Crores

PACKAGE – IV
ESTATE SERVICES AT AIIMS RAIPUR

Contractor : M/s B.L. Kashyap & Sons Ltd.
 Contract Amount : Rs. 63.33 Crore
 Start Date : 02ndFeb 2012
 Completion Date : 01st Feb 2013
 Expected Date of Completion : 30.04.2019
 Physical Progres : 100 %
 Fund released so far : 61.43 Crores

STATUS OF CIVIL (Non DPR Works) as 31/03/2020

including the work assigned to CPWD

Academic Block

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure(Cr.)	Task Status (select any one)
31/03/2020	100	9.00	(5.99%) <i>(Note: Monthly Progress is being reported jointly for both the blocks by CPWD)</i>	Not Available	pending

Administrative Block

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Status (select any one)
31/03/2020	100	9.00	(6.00%) <i>(Note: Progress being reported jointly for both the blocks by CPWD)</i>	Not Available	pending

Centre of Excellence, AIIMS Campus, Raipur

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2020	100	NIL	NIL	NIL	pending	Presentations of preliminary concept drawings have been made and in the process of being finalized after obtaining inputs/suggestions/requirements from the experts of proposed departments feedback/inputs.

Construction of School of Public Health in Ground Floor of Medical College (Civil Works)

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2020	100	100.00	73.29	NIL	Completed	False ceiling work had been de-scoped and final bill is in process. Draft NIT for Civil, Electrical and Fire Work is under process.

Construction of School of Public Health in Ground Floor of Medical College (Electrical Works)

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2020	100	100.00	100.00	NIL	Pending	-

Construction of School of Public Health in Ground Floor of Medical College (HVAC Works)

Month	Cumulative Target (%)	Cumulative Physical Progress (%)	Cumulative Financial Progress (%)	Current Month Expenditure (Cr.)	Task Progress	
					Task Status (select any one)	Remark
31/03/2020	100	75%	-	NIL	Pending	<p>Work has been awarded to M/s Devyani Enterprises, Raipur, Chhattisgarh.</p> <p>Work Order Amount: 44,30,936/- Work has been commenced from 27.11.2019. Stipulated date of completion was 25.01.2020. Time extension has been granted due to incomplete electrical work.</p>

HOSPITAL

Medical Superintendent

Dr. Ajay Dani (till 27.07.19)
Dr. Karan Peepre

Deputy Medical Superintendents

Dr. Nitin Kumar Borkar
Dr. Tridip Dutta Baruah
Dr. Ramesh Chandrakar
Dr. S. K. Dash

Registrar Birth & Death

Dr. Swapnil Prabakar Akhade

Administrative Officer (Hospital)

Mr. V. Sitaramu

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

Kalleshwara.I.T

HIGHLIGHTS:

OPD SERVICES

Multi-specialty OPD services including Medicine, Cardiology, Surgery, Gynaecology & Obstetrics, Paediatrics, Pulmonary Medicine, Orthopaedics, ENT, Ophthalmology, Dermatology, Psychiatry, Dentistry, Paediatric Surgery, Burns & Plastic Surgery, Nephrology, CTVS, Ayurveda, Physiotherapy, Diet,

Clinic, Neurosurgery, Nuclear Medicine, Physical, Medicine & Rehabilitation (PMR), Neurology are functioning regularly. Online OPD registration facility (ORS) is available for ease of patient registration. During this period ending by March-2020, 5,30,050 patients attended various OPD services of the institute.

INDOOR SERVICES:

The indoor patient departments (IPD) of the hospital are located in the Block-1(A - A1), Trauma Centre and AYUSH & PMR building. The total number of beds and operation theatres planned for the hospital is 960. Total of 800 beds are functional as of now. The beds are used by the patients of all OPD departments running at

AIIMS Raipur. Four Modular operation Theatres and one minor operation theatre are fully functional. The operating facilities are available for Burns & Plastic Surgery, CTVS, Dentistry, ENT, General Surgery, Obstetrics and Gynaecology, Ophthalmology, Orthopaedics, Paediatrics Surgery and Neurosurgery.

DIAGNOSTIC SERVICES:

X-ray, ultrasound, 128-slice CT scan, 256-slice CT scan, DSA lab, Ultrasound machines, OPG machine, Mammography machine, CR and DR, Clinical Biochemistry, Pathology, and Microbiology

investigations, Cath-Lab Angiography, MRI are available round the clock within the hospital. Specialized audiology investigations have also been started.

In AIIMS Raipur, Department of central medical records regularly furnishes the data related to OPD, IPD, Surgery details, manpower and other activities of AIIMS Raipur to MoHFW. MRD also uploads its progress report on the portal of PMSSY Division regularly.

The department introduced NIC (HMIS) & ORS (Online Registration System) since 18/10/2016 & 01.07.2019 and also introduced (C-DAC) software. Medical Records Department has a centralized system for preserving the Medical Records of In-

Patients. Using the Serial Numbering System a unique number is assigned to a new patient which is called CR (Central Registration Number)/UHID Number.

Department of central Medical Records has introducing the Electronic Motorized Compactor to access the record in one click in anywhere within in the campus of AIIMS, RAIPUR “One Patient, One Record, One Number”

CMEs organised by the department

S.No.	Event	City
1.	CME on ICD-10& ICF	
2.	CME on SNOMED CT (Systematized Nomenclature of Medicine - Clinical Terms)	24.01.2020

Electronic Motorized Compactor was being inaugurated by Prof. (Dr.) Nitin M. Nagarkar, Director AIIMS, Raipur.



Department of Central Medical Records



Hospital Statistics during FY 2019-20

1	Total No. of Out Patients attendance	530050
2	Total No. of New Cases	340611
3	Total No. of Old Cases	189439
4	Daily Average No. of Out Pt. attendance	1773
5	Total No. of Out Pt. attendance in Casualties	34845
6	Daily Average No. of Out Pt. attendance in casualties	95
7	Total No. of Admissions	23846
8	Total No. of Discharges	23379
9	Daily Average No. of occupied In Pt. attendance	456
10	Daily Average Bed Occupancy Rate	66 %
11	Total No. of Deliveries conducted	1434
12	No. of Live Births	1451
13	No. of Still Births	29
14	Total No. of Deliveries FTND	627
15	Total No. of Deliveries LSCS	807
16	X-Ray(Including OPD & IPD)	100805
17	USG (Including OPD & IPD)	9735
18	CT Scan(Including OPD & IPD)	10476
19	MRI (Including OPD & IPD)	3325
20	Total No. of Investigations (Including Bio chemistry, Microbiology, Pathology and Radiology OPD & IPD)	1599257
21	Colour Doppler	486
22	Angiography/Angioplasty	412/46
23	No. of Investigations in Bio chemistry(Including OPD & IPD)	11,18,344
24	No. of Investigations in Microbiology(Including OPD & IPD)	1,14,738
25	No. of Investigations in Pathology(Including OPD & IPD)	2,37,259
26	No. of Investigations in Radiology (Including OPD & IPD)	1,28,916
27	Total No. of Operations performed	14390
28	No. of Major Surgeries	7619
29	No. of Minor Surgeries	6771
30	Total No. of Death	1490
31	No. of Death below 48 Hours	549
32	No. of Death above 48 Hours	793
33	Gross Death Rate	3.92 %
34	Net Death Rate	1.71 %
35	No. of MLC cases registered (In side)	1695
36	No. of MLC cases referred from (Out side)	5
37	No. of Autopsies	241
38	Brought dead	148

39	No. of Insurance claims	72
40	Files Issued Re-Admission Patients and Thesis purpose	1792
41	RNTCP Patients	547 (Confirmed Cases)
42	ICTC Patients	9332 (HIV Positive : 81)
43	ORS (Online Registration System)	23777
44	Audiometry	5330
45	ECHO	4987
46	PMR(Physiotherapy)	17587
47	No of Ayushman Bharat Patient	9136

COLLEGE OF NURSING

Assistant Professors

Dr. Binu Mathew
Mrs. J. Jeayareka

Nursing Tutors

Mrs. Chetna Sahu
Mrs. Chandramani
Mr. Rajendar Singh
Mrs. Suman Shinde
Mrs. Chitrekha Sippy
Mrs. Bagavathi.R
Mr. Sharun. N. V.
Mr. P.D. Deepak
Mrs. Seema Maheswari. A
Mr. Harish Kumar
Mr. Prem Chander
Mrs. Rohisha I. K.
Ms. Ritika Rocque
Mr. Kiran Murkut
Mrs. Renu Rekha Korkora
Mr. Harish Meena
Ms. Annamreddi Leelavati
Mrs. Nirupam Nisha Sahu
Ms. Jissa Donel
Ms. Chhameshwari Verma
Dr. Solomon James M
Ms. Kankana Chakraborty
Mr. Jayavel
Dr. Hitesh Choudhary
Mr. Abdul Munaf Mujawr

HIGHLIGHTS

Activity	Date	Organized
World Health Day	07.04.2019	A CNE on 'World Health Day' was organized on 'Universal Health Coverage: Everyone, Everywhere' (07.04.2019.)
World Patient Safety Day	17.09.2019	A CNE on 'WHO's First World Patient Safety Day' was organised on the theme: 'Patient Safety: a Global Health Priority' on (17.09.2019.)
World Diabetes Day	14.11.2019	Bulletin board presentation in OPD area for public awareness. Theme-'World Diabetes Day' on 14.11.2019. In a view for general public awareness regarding Diabetes.
Newborn Care week	15th to 21st .11.2019.	<ul style="list-style-type: none"> • Radio broadcasting regarding aspects of newborn care in All India Radio and My FM Raipur • Poster Exhibition and Video assisted teaching focusing on Essential newborn care in CHC Gudhiyari and OBG & Pediatric OPD, post natal ward of AIIMS, Raipur • Workshop on Neonatal Resuscitation and Continuing Nursing Education (CNE) for students and Nursing Officers with the aim of improving knowledge and skills. • Intercollegiate Poster and Quiz competition for nursing students.

Activity	Date	Organized
World Toilet Day	19.11.2019	An awareness programme was organized by the Department of Community Health Nursing, AIIMS, Raipur on 19th November 2019, the 8th World toilet Day at Gudhiyari, Raipur, And Jheet, Durg. Keeping the theme of this year 'Leaving No One Behind'.
World COPD Day	20.11.2019	Bulletin board presentation in OPD area for public awareness. Theme-'World COPD Day' on 20.11.2019. In a view for general public awareness regarding COPD.
World AIDS Day	01.12.2019	Bulletin board presentation in OPD area for public awareness. Theme-'World AIDS Day' on 01.12.2019. In a view for general public awareness regarding AIDS.
Kayakalp activity- Universal Health Coverage	12.12.2019	'Universal Health Coverage' was observed under Kayakalp with the theme: "Health for all: Keep the promise" for the community people of UPHC Gudhiyari. Activities conducted : <ul style="list-style-type: none"> • Poster Exhibition of various aspects of Health for all. • Health screening of community people • Health fun Tattoos/ Mehendi art
CNE - 'Nurse Led Heart Failure Management'	18.12.2019	CNE focused on enhancing the quality of life of patient living with heart failure and compromised cardiac function and the responsibility of the significant care takers and health professionals specially Nurses who can play a very key and vital role.
National Girl Child Day	24.01.2020	An awareness programme was organized by the students of 2nd Year B.Sc. (Hons) Nursing and Department of Community Health Nursing, College of Nursing, AIIMS Raipur on 24th January 2020, the '6 th National Girl Child Day (i.e. Beti Bacho Beti Padho)' day at Jheet, Durg.
World Cancer Day	04.02.2020	World cancer day was observed by AIIMS, College of Nursing in collaboration with the Department of Radiotherapy, AIIMS Raipur, C.G on 4 th February 2020.
International Women's Day	07.03.2020	A state Level Workshop on 'United Nations' International Women's Day' was observed on the theme: 'Generation Equality: Realizing Women's Rights' on 07.03.2020.
World Kidney Day	16.03.2020	World Kidney Day was observed by College of Nursing, AIIMS Raipur, C.G on 12th March 2020, with an aim to contribute in awareness and to empower general people to identify ways to prevent the occurrence of various kidney diseases and the warning signs for early detection and prompt treatment on time.

EDUCATION

- College of Nursing, AIIMS Raipur, Organized & started the series of the training sessions for enlightening the department faculties (including Nursing Tutors) regarding the concept of simulation, as per the training received in Training of The Trainers Session organized by Indian Nursing Council.
- Teaching and training of undergraduate and postgraduate nursing students.
- Research project of 4th Year Nursing students
- Conducting online classes and evaluation for nursing students.

CMEs/ WORKSHOP/ SYMPOSIA/ NATIONAL & INTERNATIONAL CONFERENCES ORGANIZED

Event	Date
CNE on World Health Day Theme: 'Universal Health coverage: Everyone, Everywhere'	07.04.2019

Event	Date
CNE on First World Patient Safety Day Theme: 'Patient Safety: Global Health Priority'	17.09.2019
Workshop on Neonatal Resuscitation	20.11.2019
Continuing Nursing Education (CNE) on Newborn Care Week Theme: Striving towards Excellence in Neonatal Care	21.11.2019
CNE - 'Nurse led heart failure management'	18.12.2019
CNE - World Cancer Day Theme: ' I AM & I WILL'	04.02.2020
CNE on International Women's Day Theme: 'Generation Equality: Realizing Women's Rights'	07.03.2020
Preoperative Nursing -ICPN 2020 Participated in International Conference	25 th - 27 th Feb 2020

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCE

Dr. Binu Mathew

S. No.	Title	CME/Conference	Date	Organized by
1.	Transformation of communication- highlighting trends in communicating health messages	2nd state level workshop - Theme -Effective communication- Core of therapeutic relationship.	13.01.2020	State Government College of Nursing, Rajnandgaon
2.	Continuing Nursing Education 'Gender based violence against women and girls for faculty, Nursing Staff and Students.'	Gender based violence against women and girls for faculty, Nursing Staff and Students.	14.02.2020	College of Nursing, AIIMS, Raipur
3.	First World Patient Safety Day	Seminar for 4th Year B.Sc. (Hons) Nursing, M. Sc. Nursing students and teaching staff	17.09. 2019	College of Nursing AIIMS Raipur along with Department of Pharmacology

Mrs. J. Jeayareka

S. No.	Title	CME/Conference	Date	Organized by
1.	Universal health coverage; need to improve global health	World Health Day	08.04.2019	College of Nursing, AIIMS
2.	Guided reflection on parental stress with chronic illness	15th Biennial National conference of the Indian association for child and adolescent mental health.	08.11.2019 to 10.11.2019	GMCH -Chandigarh
3.	Introduction to Nurses Lead heart failure management at AIIMS	CNE on Nurse lead failure management programme	23.12.2019	AIIMS, Raipur
4.	Resilience in youth mental health-Nurses perspectives	Second National workshop on Resilience In Youth Mental Health	05.02.2020	Government Medical College, Raipur
5.	Striving towards Excellence in Neonatal Care	Continuing Nursing Education (CNE) on Newborn Care Week	21.11.2019	College of Nursing, AIIMS Raipur

Mrs. Chetna Sahu

S. No.	Title	CME/Conference	Date	Organized by
1.	Core Components of Clinical Teaching and Training	4th National Conference: Theme: Challenges in Effective Clinical Teaching and Training for Better Patient Outcome	17.01. 2020	Gyandeeep Institute of Nursing Science, Jabalpur
2.	Humanized care for Newborn	Continuing Nursing Education (CNE) on Newborn Care Week 'Theme: Striving towards Excellence in Neonatal Care'	21.11.2019	College of Nursing, AIIMS Raipur
3.	Fluid & Electrolyte Balance and Feeding & Nutritional Supplements for Babies born too soon and too small	8th Annual Conference of Indian Association of Neonatal Nurses (IANN) (Preconference workshop) 'Theme: Neonatal Nurses: Protect, Support and Save Lives'	9th to 11th February 2020	College of Nursing, AIIMS Bhubaneswar

Mr. Rajender Singh

S. No.	Title	CME/Conference	Date	Organized by
1.	Recent guideline and technique of Screening in oncology.	CNE For Nurses	04.02. 2020	College of Nursing AIIMS

Mrs. Suman Shinde

S. No.	Title	CME/Conference	Date	Organized by
1.	Nurses role in patient safety	CNE: -First World Patient Safety Day Theme: 'Patient Safety: Global Health Priority'	17.09.2019	College of Nursing, AIIMS Raipur
2.	Myths and misinformation about cancer	CNE - World Cancer Day Theme: 'I AM & I WILL'	04.02.2020	College of Nursing, AIIMS, Raipur
3.	Patient safety scenario	CNE :- First World Patient Safety Day Theme: 'Patient Safety: Global Health Priority'	17.09.2019	College of Nursing, AIIMS Raipur

Mrs. Chitrekhya Sippy

S. No.	Title	CME/Conference	Date	Organized by
1.	'Working together to prevent Suicide'	Participated in World Mental Health day celebration in collaboration of Department of Psychiatry.	10.10.2019	Department of Psychiatry, AIIMS Raipur

Mr. Sharun. N.V

S. No.	Title	CME/Conference	Date	Organized by
1.	Prevention and Risk Reduction in Cancers	CNE :- World Cancer Day Theme: ' I AM & I WILL'	04.02.2020	College of Nursing, AIIMS Raipur

Dr. Solomon James

S. No.	Title	CME/Conference	Date	Organized by
1.	Prevention and Risk Reduction in Cancers	CNE :- World Cancer Day Theme: ' I AM & I WILL'	04.02.2020	College of Nursing, AIIMS Raipur

Mrs. Rohisha I.K.

S. No.	Title	CME/Conference	Date	Organized by
1.	Health Professionals and Universal Health Coverage	World Health Day	08.04.2019	College of Nursing, AIIMS Raipur
2.	Orientation on Nightingale Challenge and Nursing Now	Monthly CNE	10.11.2019	College of Nursing, AIIMS Raipur

Mr. Harish Meena

S. No.	Title	CME/Conference	Date	Organized by
1.	Patient Nurses ratio & guidelines	AIIMS Foundation Day	24.09.2019	AIIMS, Raipur
2.	Organ Donation	National organ & Tissue transplant Organization donation	Feb 2019	AIIMS, Raipur
3.	CME on NEWER Vaccine	Sanofi Paster& AIIMS Raipur	22.11.2019	AIIMS, Raipur
4.	Naturopath day	All India Institute of medical sciences raipur	18.11.2019	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organized
1	J.Jeayareka	Guided reflection on parental stress with chronic illness	15th Biennial National conference of the Indian association for child and adolescent mental health	09 th November 2019	GMCH -Chandigarh
2.	Chetna Sahu	Knowledge of lactating mothers regarding breastfeeding- its myths and facts in selected hospitals of Raipur	8th Annual Conference of Indian Association of Neonatal Nurses (IANN)	9 th to 11 th February 2020	College of Nursing, AIIMS, Bhubaneswar
3.	Chandramani Sahu	A study to assess the prevalence of internet addiction among undergraduate nursing students at selected nursing colleges at Raipur Chhattisgarh	2nd National workshop, Government College of nursing Raipur	5 th February 2020	Government College of Nursing, Raipur C.G
4.	Mrs. Chitrekha Sippy	A descriptive study to assess Self Esteem and Academic Stress among undergraduate students of selected colleges in Raipur, Chhattisgarh	2nd National workshop, Government College of nursing Raipur	5 th February 2020	Government College of Nursing, Raipur C.G

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Effectiveness of virtual reality therapy on anxiety and symptom distress with chemotherapy among children with cancer.	Mrs. J. Jeayareka	NA	4 yrs	2016-20	NA

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Effectiveness of virtual reality therapy on anxiety and symptom distress with chemotherapy among children with cancer.
2.	Structured Teaching Program on knowledge regarding sickle cell anaemia and its prevention in Colleges.
3.	Utilization practices of maternal care services from selected areas of Chhattisgarh in Community-Gudhiyari.
4.	Structured Teaching Program on knowledge regarding hypothyroidism among young females in General medicine, OBG and endocrinology OPD's of AIIMS Raipur
5.	Prevalence of shift work sleep disorders among security guards at AIIMS Raipur.
6.	Structured Teaching Program on knowledge regarding minor ailments of newborn among postnatal mothers in PNC Ward-AIIMS Raipur.
7.	Knowledge and attitude regarding organ donation among public in Raipur in Colleges
8.	An experimental study to evaluate the effectiveness of mindfulness meditation on academic stress among adolescents in selected schools at Raipur
9.	A study to evaluate the effectiveness of self Instructional module on Knowledge regarding organ donation among community people of Tatibandh Raipur
10.	A study to assess the effectiveness of Self defence empowerment training on self esteem and assertiveness among students of selected Nursing colleges at Raipur.
11.	A study to assess the effectiveness of Progressive muscle relaxation technique on stress and anxiety level of elderly in selected old age homes at Raipur.
12.	A study to assess the effectiveness of Motivational Enhancement Package on reducing Alcohol dependency among alcohol dependent clients in selected areas of Raipur, Chhattisgarh.
13.	A study to assess the effectiveness of Structured Teaching Programme on knowledge regarding sickle cell anemia and its prevention among young adults in selected colleges of Raipur, Chhattisgarh.
14.	A study to assess the effectiveness of Structured Teaching Programme on knowledge regarding sickle cell anemia and its prevention among young adults in selected colleges of Raipur, Chhattisgarh.
15.	A cross-sectional study to assess the prevalence of shift work sleep disorder among security guards working in AIIMS Raipur. – Chief investigator

S. No.	Project
16.	A descriptive study to assess the utilization practices of maternal health care services among mothers of infants residing in selected rural areas of Raipur.- Co-investigator
17.	“A study to Evaluate the Effectiveness of video assisted teaching programme on knowledge and attitude regarding Eye donation among non Medical undergraduate students at a selected Colleges in Raipur “ – Co- Investigator.
18.	The study to assess the effectiveness of structured teaching programme on knowledge regarding hypothyroidism among young females- Chief investigator
19.	A descriptive study to assess burden and coping strategies employed by care givers of alcoholic patients in selected hospitals of Raipur.
20.	Effectiveness of self instructional module on knowledge regarding organ donation among the urban residents
21.	Effectiveness of video assisted teaching programme on knowledge and attitude regarding eye donation among non medical undergraduate students
22.	Emotional impact, stressors, coping strategies and lived experiences of frontline nurses during Covid-19 pandemic: a mixed method approach
23.	A descriptive study to assess the utilization practices of maternal health care services among mothers of infants residing in selected rural area
24.	Prevalence of shift work sleep disorders among security guards working in AIIMS Raipur

Completed

S. No.	Project
1.	A Retrospective analysis of suicides reported in print media in Chhattisgarh from year 2014 to 2018.
2.	A descriptive study to assess the quality of life of patients (25-55 years) undergoing cancer treatment at AIIMS, Raipur
3.	A Quasi-experimental study to assess the effectiveness of planned teaching programme on knowledge regarding breast self-examination (BSE) among school going girls (16-18 years) in selected schools at Raipur
4.	A Descriptive study to assess the level of knowledge regarding malnutrition among the mothers of under five children selected area of Raipur, (C.G.)
5.	A study to assess the effectiveness of structured teaching programme on knowledge regarding selected government schemes among antenatal mothers from selected health care institutions of Raipur- Chief Investigator
6.	A study to assess the level of academic stress among adolescent population (14-18 yrs) in selected schools of Raipur with a view to develop information booklet regarding management of academic stress. – Co-investigator
7.	A quasi experimental study to assess the effectiveness of Structured Teaching Programme regarding the knowledge on the prevention of worm infestation among adolescent school children at selected schools in Raipur
8.	An exploratory study to assess the non-compliance and its influencing factors among adult clients receiving tuberculosis treatment at RNTCP Centre of AIIMS Raipur

S. No.	Project
9.	Effectiveness of Structured teaching program regarding Knowledge of dengue among the adults of selected urban areas of Raipur, Chhattisgarh - Chief Investigator
10.	Effectiveness of STP on knowledge regarding Prevention of Osteoporosis among premenopausal women
11.	A study to assess the level of academic stress among adolescent population (14 years-18 years) in selected schools of Raipur with a view to develop information booklet regarding management of academic stress.
12.	Effectiveness of STP on knowledge regarding Prevention of Osteoporosis among premenopausal women

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Effectiveness of virtual reality therapy on anxiety and symptom distress with chemotherapy among children with cancer.	Research department/ Saveetha university, Thandalam, Chennai.

PUBLICATIONS

- Dr. Binu Mathew** Paper selected for international conference in world nursing and nursing education congress Vancouver Canada June 17-18 2020. "Impact of Nursing Interventional Package on anxiety and wellness level for patients with anxiety disorder in selected mental health institutions at Chhattisgarh, India" but due to Covid 19 pandemic could not present..
- Mrs. J. Jeayareka**, "Effect of Guided reflection on Parental stress of caring child with chronic illness" 2019;vol:08, ISSUE 09,SEPTEMBER -2019p.n 532-534
- Ritika. R**, Rohisha IK, Harish K. Survey on health indicators of selected urban slum areas of Raipur, Chhattisgarh. International Journal of Medical and Health Research; Vol: 5 (9), September-2019, 28-30.
- Ritika. R**. Need for changing Nursing Image in India. International Journal of Nursing Education and Research; October-December 2019, Vol: 7 (4): 625-628.
- Ritika. R**. Effectiveness of Structured teaching programme on knowledge regarding selected government schemes among antenatal mothers of Raipur. International Journal of Nursing Education and Research, January - March 2020 Vol: 8 (1): 76-78.
- Ritika. R**. "MAA (Mother Absolute Affection) Programme" International Journal of Nursing Education and Research, January - March 2020 Vol.:8 (1):117-120
- R Ritika, IK Rohisha, Kumar P**. Survey on health indicators of selected urban slum areas of Raipur, Chhattisgarh. International Journal of Medical and Health Research 2019, 5(9) : 28-30
- Mr. Sharun. N. V**. "Surgical Masks: The Hoax & the Truth." IOSR Journal of Nursing and Health Science (IOSR-JNHS), 9(2), 2020, pp. 56-60.
- Dr. Hitesh Choudhary**, Effectiveness of Structured teaching program regarding Knowledge of dengue among the adults of selected urban areas of Raipur, Chhattisgarh in International Journal of Medical and Health Research" Article Reference No.: (Medical-5-11-62).
- Seema Maheswari.A**, Assess the quality of life perceived by the patients with chronic renal failure undergoing Haemodialysis, IOSR journal of nursing and health sciences, 2019; vol 6; 29-32
- Seema Maheswari.A**, Excessive screen time: Having look at the screen time on childrens health- A narrative review, International journal of practical nursing,2019; vol 7(2); 99-103

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- **Mr. Rajender Singh** Received **Appreciation certificate for Kaya-Kalp** from **Director**, AIIMS Raipur.
- **Mr. Harish Meena** -Awarded Third Prize in Speech on Annual Hindi Fortnight organized by AIIMS Raipur.
- Awarded Third Prize (3500 cash) in Medical Terminology Competition Annual Hindi Fortnight organized by AIIMS, Raipur as per ordered from MOHFW.
- Awarded excellent and outstanding work for KAYAKALP (MOHFW) program for Digitalization of records
- Awarded For Campaign JAI JOHAR (hand sanitization and hygiene drive) under swatchta action plan by MOHFW.
- **Mrs. J. Jayareka** Chairperson for the second National workshop on 'Resilience in Youth Mental Health and Psychiatric Nurse Perspectives' on 05.02.2020 organized by the Government state nursing college, Raipur.
- Underwent a training programme to be a certified trainer on 'virtual reality therapy' at Chennai 20 to 27.01.2020.

DEPARTMENT OF ANATOMY

Additional Professor & Head

Dr. Dhanesh Kumar Sharma

Additional Professor

Dr. K. Vijaya Kumar

Associate Professors

Dr. Soumitra Trivedi

Dr. A. U. Siddiqui

Dr. Manisha B. Sinha

Dr. Mrithunjay Rathore

HIGHLIGHTS

The Sixth Edition of Gross & Microanatomy Practical Manuals authored by the HoD and colleagues had been provided to 1st year MBBS students of 2019 batch.

The program “Body-Donation Honor and Oath by 1st Year Students” was organised on 5.11.2019 with the relatives of Body-Donors, the pledgers of Body-Donation & the general public by honoring the donors and the pledgers for their graceful and moral act and thought related to body donation. Then the collective oath taken by the MBBS student batch 2019 for the respectful handling of the cadavers during their teaching and training were the nice moments. This annual program has been continuing every year since 2013.

Two Interdepartmental workshops and conference with HoD as Co-chairman were organised at the Institute as follows:

1. Theme: “Cadaveric Ultrasound Regional Anaesthesia Workshop” on 13-14.4.2019 with the Department of Anaesthesia
2. Theme: “Operative Live and Cadaveric Anterior Skull Base Endoscopy” on 6-7.9.2019 with the Departments of Neurology and ENT

Research Activities in the department by faculty resulted into 11 publications in National/International Journals, 8 Oral/Lecture presentations in Conferences / CMEs and 12 Projects ongoing and 2 projects completed.

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
- Interdepartmental PG teaching and activities like organising workshops and conferences
- Body- donation program and Oath taking by 1st Year MBBS students
- Cadaver embalming
- Microanatomy lab upgradation by slide preparation under histological techniques
- Museum upgradation in the department by specimens and model preparations
- Bone and viscera banks in the department by cleaning and maintaining them parallel to dissection of cadavers
- Radiograph, CT and MRI gallery in museum
- Molecular reproduction research lab

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

1. Workshop on “Cadaveric Ultrasound Regional Anaesthesia” by the Department with the HoD as Co-chairman along with the Department of Anaesthesia on 15.04.2019 at the Institute.
2. Conference and Workshop on “Operative Live and Cadaveric Anterior Skull Base Endoscopy” by the Department and the HoD as Co-chairman along with the Department of Neurology & the ENT on 6-7.9.2019 at the Institute.
3. Program “Body-Donation Honor and Oath by 1st Year Students” by the Department with the HoD as Chairman on 5.11.2019 at the Institute.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. D. K Sharma

S. No.	Title	CME/Conference	Date	Organised By
1	Body and Organ Donation	Body-Donation Honor and Oath by 1 st Year Students	5.11.2019	AIIMS

Dr. K Vijaya Kumar

S. No.	Title	CME/Conference	Date	Organised By
1.	IMPACT 2019	Armed Forces Medical College Pune	13-15.9.2019	AFMC, Pune

Dr. Manisha B Sinha

S. No.	Title	CME/Conference	Date	Organised By
1.	Two Tests: Sperm DNA Fragmentation Test and Yq Microdeletion Test in Male Infertility	Workshop on Male Reproductive Function	21.10.2019	NIHFW

Dr. Mrithunjay Rathore

S. No.	Title	CME/Conference	Date	Organised By
1.	Biomechanics of Yoga Asanas	Annual conference of Anatomical society of India	17-20.11.2019	VMMC, Delhi
2.	Immunomodulation through Yoga	National symposium on Immunity	12.12.2020	Department of Biochemistry, AIIMS
3.	Yogic way of Holistic Health & Wellness	National Seminar	08.12.2019	Shri Rawatpura Sarkar University

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Name of the Conference	Date	Organised By
1.	Dr. Mrithunjay Rathore	Does the FAM Alter the Functional Connectivity of DMN of Brain	Annual Conference of National Academy of Medical Science	12-13 Oct 2019	AIIMS, Bhopal
2.	Dr. Manisha B Sinha	Yq Microdeletion test in blood samples of infertility cases: it's clinical significance	67 th NATCON	19.11.2019	Vardhman Mahavir Medical College, New Delhi

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Anatomic study and clinical significance of the endoscopic endonasal approach to the anterior communicating artery complex	Dr. Anil Sharma Co-Investigator: Dr. Dhanesh Kumar Sharma	Intramural (AIIMS, Raipur)	2 year	2019-20	5,00,000/-
2.	Study of endoscopic advantage over conventional approach for teaching nose, PNS and anterior skull base	Dr. Soumitra Trivedi	AIIMS, Raipur	1	2020-2021	490000/- approx
3	Testing of micro deletions of genes on Y chromosome in male partner infertility	Dr. Manisha B. Sinha	CGCOST, Raipur	3 years	2018	5,00,000/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Study of Sperm DNA fragmentation by sperm chromatin dispersion test in semen of male partner of infertile couple	Dr. Manisha B. Sinha	AIIMS, Raipur	2 year	2017- August 2019)	5,00,000/-

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Projects
1.	A Study on Coronary Collaterals and their impact on left ventricular ejection fraction.
2.	A Microsurgical Anatomical Study of the Medial Surface of the Temporal Lobe of Cerebrum in Human cadaver of Chhattisgarh State.
3.	MUTATION, the Structural Genetic Change: A Short Review
4.	Study of Triangular fibrocartilage complex with reference to tearing patterns and distal Radioulnar joint instability- A Cadaveric study.
5.	Anatomical variations of the sphenoid sinus septations and clinico-anatomical correlations in trans-sphenoidal pituitary surgery.
6.	Characteristics of foot morphology and their relationship to gender, age, body mass index and bilateral asymmetry in Indian adults with normal and symptomatic foot.

Completed

S. No.	Project
1.	A study on the advantages and disadvantages of online teaching program conducted in the Department of Anatomy, AIIMS Raipur – Students perspective

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Therapeutic efficacy of Yoga on Biochemical profile, Anxiety, and sleep Quality index of asthmatics: RCT	Department of Anatomy and Pulmonary Medicine
2.	Assessment of percentage body fat by using ultrasound technique in adult Indian males	Physiology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Differential modulation of cardiac autonomic rhythm during different body posture- Under Completion	Department of Anatomy and Physiology

PUBLICATIONS

Papers published in journal:

- 1) **Sharma DK**, John MR, Chaudhary N. Abnormal Origin of the Right Coronary Artery: A Case Report with Literature Review. Indian Journal of Anat (IJA). 2019;8(2):123-126.
- 2) **Sharma DK**. Comparative study of Human Embryonic and Adult Stem Cells: A review. Indian Journal of Genetics and Molecular Research (IJGMR). January-June 2019;8(1):27-34.
- 3) **Sharma DK**, Chaudhary N. An approach to know effective techniques in processing and cleaning of bones. Indian Journal of Anatomy (IJA). July-September 2019;8(3):161-64.
- 4) **Siddiqui AU, Sharma DK, Trivedi S, Sinha MB, Rathore M**. This Is How We Did It–Conceiving and Continuing a Body Donation and Honor Program at All India Institute of Medical Sciences, Raipur, India. National Journal of Clinical Anatomy. 2020;09(01): 07-11
- 5) **Siddiqui AU**, Gurudiwan R, Siddiqui AT, Satapathy BC, Gupta P. Aberrant bifurcation of intercostobrachial nerve in the axilla: A case report. Morphologie. 2020;104(344): 70-72
- 6) **Siddiqui AU**, Gurudiwan R, Siddiqui AT, Chaudhary N, John MR, Gupta P. Morphometry of Glasscock’s Triangle Pertinent to the Exposure of Horizontal Intrapetrous Segment of the Internal Carotid Artery. National Journal of Clinical Anatomy. 2019;08(03): 093-096
- 7) **Sinha MB**, Nayak N, Sinha HP, Gautam N, Singh P. Variation in common carotid artery bifurcation level: A computed tomographic study. IJSR. 2019;8 (6): 54-56.
- 8) **Sinha MB**. Assessment of male reproductive health: Obesity, Sperm DNA Fragmentation, Yq microdeletion, Endocrinal Profile. Indian J Genet Mol res. 2019;8 (2): 65-67.
- 9) **Sinha MB**, Kumar D, Bose P. Rectus Sternalis: A part of Syndrome of Musculoskeletal and renovascular Anomalies? Indian J Anat. 2020;9(1): 90-92.
- 10) Ahmed Al-Imam, Marek M Motyka, Ashok Sahai, **V K Konuri**. The March of Progress: From Cosmic singularity to digital singularity in current trends in Information Technology. 2020;10(1):1-8.

11) Pooja Singh, **Mrithunjay Rathore** et al. Model preparation: A novel implement for teaching & Learning anatomy and its perception on

undergraduate medial students at AIIMS Raipur-Original article Indian Journal of Clinical Anatomy and Physiology. 2019;6(4):1-5.

1. Chapter in book

S. No.	Author(s)	Chapter	Name of the Editor	Book	Edition	City of Publication	Publisher	Year of Publication
1.	Dr. K Vijaya Kumar	All Chapters	Dr. K Vijaya Kumar	<i>Textbook of Neuroanatomy</i>	3rd	Raipur	Wardit Publishers	2020

2. Edited books and monographs.

Books:

S. No.	Author (s)	Chapter	Name of the Editor	Book	Edition	City of Publication	Publisher	Year of Publication
1.	Dr. D. K. Sharma Dr. Soumitra Trivedi Dr. A. U. Siddiqui Dr. Manisha B Sinha Dr. Mrithunjay Rathore	All chapters	Dr. D. K. Sharma	<i>Manual of Human Microanatomy</i>	6 th	Raipur	Department of Anatomy	2019
2.	Dr. D. K. Sharma Dr. Soumitra Trivedi Dr. A. U. Siddiqui Dr. Manisha B Sinha Dr. Mrithunjay Rathore	All chapters	Dr. D. K. Sharma	<i>Manual of Human Gross & Developmental Anatomy</i>	6 th	Raipur	Department of Anatomy	2019

Other Academic Activities

- HoD chaired a scientific session in 67th NATCON National Conference of Anatomical Society of India held from 17-20.11.2019 at VMMC and Safdarjung Hospital, New Delhi.
- Dr. Manisha B. Sinha chaired a scientific session in 67th NATCON National Conference of Anatomical Society of India held from 17-20.11.2019 at VMMC and Safdarjung Hospital, New Delhi.
- Dr. D.K. Sharma was Co-Chairman in “Cadaveric ultrasound regional anesthesia Workshop” April 2019.
- Dr. D.K. Sharma was Co-Chairman in Conference and Workshop on “Operative live and cadaveric anterior skull base endoscopy” September 2019.
- Dr. D.K. Sharma was Chairman and Speaker in “Body Donation Honor and Oath taking by 1st year students” November 2019.

AWARDS, HONOURS AND SIGNIFICANT EVETS

1. Dr. D.K. Sharma:

- ❖ Member of MCI for the Assessment for Continuance of Recognition u/s 19 of Medical Colleges. 2019

2. Dr. Mrithunjay Rathore:

- ❖ Course faculty in “Cadaveric Ultra sonographic regional anesthesia workshop” 15 April 2019 at AIIMS, Raipur
- ❖ Member of National Academy of Medical Sciences (MNAMS) 13th Oct 2019 at AIIMS, Bhopal
- ❖ Life member of Indian Yoga Association with unique membership on 28 July 2019
- ❖ Judge for state level Yoga Competition on 16 Feb 2019 at Durg



Body Donation and Oath by 1st year students:



DEPARTMENT OF ANESTHESIOLOGY

Professor & Head

Dr. Praveen Kumar Neema

Professor

Dr. Nandkishore Agrawal
(Joined on 01.03.2019)

Additional Professor

Dr. Subrata Kumar Singha

Associate Professors

Dr. Monica Khetarpal

Dr. Rashmi Dubey

Dr. Samarjit Dey

(Joined on 19.03.2019)

Assistant Professors

Dr. Mayank Kumar

Dr. Sarita Ramchandani

Dr. Chinmaya Kumar Panda

Dr. Habib Md Reazaul Karim

Dr. Mamta Sinha

Dr. JitendraV. Khalbande

(Joined on 05.03.2019)

FACULTY:

HIGHLIGHTS

The department of Anaesthesiology is providing routine anesthesia, regional analgesia, and monitored anaesthesia care in seventeen major operation theaters for performing routine surgical procedures of various departments including General surgery, Orthopaedic surgery, ENT, Dental surgery, Ophthalmology, Obstetrics and Gynaecology, and super specialty departments including Cardiothoracic surgery, Neurosurgery, Plastic surgery, Urology and Paediatric surgery. Additionally, the department provides anaesthesia to the patients undergoing CT and MR imaging under sedation / anaesthesia, procedures in DSA laboratory, and ultrasound guided procedures.

The department also provides technical expertise and support to the patients admitted to Trauma and Emergency ward and High Dependency Unit needing endotracheal intubation, peripheral and central venous cannulation, etc.

The department is managing a 14 bedded critical care unit wherein Neurosurgical, Cardiothoracic and Vascular Surgery patients, and patients of Urology, General Surgery, ENT, Gynaecology and Obstetrics are clinically managed. The critical care includes intensive monitoring, ventilatory and respiratory support, hemodynamic support, acute renal failure management, nutritional

support, and routine management of post-surgical patients.

The department screens patients scheduled for surgery in pre-anesthesia check-up clinic.

The department is running post graduate MD anaesthesiology program, and postdoctoral certificate courses (PDCC) in critical care medicine and neuro-anaesthesia.

The department is also conducting basic life support and advance cardiac life support training for

undergraduates, nursing students and nursing staffs and others.

Various faculties of the department have taken part in different regional and national conferences as faculties. In addition to departmental responsibilities, the department has provided expertise in installation and commissioning of 24 modular operation theaters, gas plant room, liquid medical oxygen plant, and medical gas pipeline system in various designated areas of the hospital.

EDUCATION

The department is associated with teaching of undergraduate students (MBBS), interns, postgraduate students (MD Anaesthesiology), PDCC critical care and PDCC neuro-anaesthesia as well as teaching and training of senior residents in scientific practice of clinical anaesthesia, and management of patients in critical care and pain management. Education program for postgraduate and senior residents includes seminars, didactic lectures, case presentation and discussions, journal club, science of monitoring, management of complications in day to day (routine) and emergency anaesthesia practice. The department has started post-doctoral certificate courses (PDCC) in Neurosurgical anaesthesia and Critical care from July 2019.

Lectures delivered at CMEs, National and International Conferences:

Prof. Dr. P.K. Neema

S.No.	Title	CME/ conference	Date	Organised by
1.	Hemodynamic Monitoring Workshop – Central Venous Pressure and Pulmonary Artery Pressure Waveform Interpretation	CZ ISACON 2019	31.08.2019	AIIMS, Raipur
2.	Implications of Raised Intraabdominal Pressure During Laparoscopic Surgery	CZ-ISACON 2019	01.09.2019	AIIMS, Raipur
3.	Anaesthetic Challenges in Patient With Treacher Collins Syndrome Presenting for Cleft Palate Repair	ISACON 2019, Bengaluru	27.11.2019	Indian Society of Anaesthesiologists (ISA)
4.	Where Should Research in Cardiac Anaesthesia be Focused?	IACTA 2020, Goa	08.02.2020	Indian Association of Cardiovascular and Thoracic Anaesthesiologists

Dr. Subrata Kumar Singha

S.No.	Title	CME/ conference	Date	Organised by
1.	Trans-Esophageal Echocardiography Station at the Hemodynamic Workshop	ISACON CG 2019	31.08.2019	AIIMS, Raipur
2.	Pathophysiology & Management of Hypoxemia during One Lung Ventilation	CGISACON, 2019	01.09.2019	AIIMS, Raipur

S.No.	Title	CME/ conference	Date	Organised by
3.	Advanced Procedural USG Workshop	EM India 2019	31.07.2019 -01.08.2019	AIIMS, New Delhi
4.	I Am Establishing a Neuro-Critical Care Unit, What Monitors Should I Buy?	Neuro-Anesthesia Update	19.10.2019	AIIMS, New Delhi
5.	Faculty	CG State Level Workshop on Quality Healthcare & Patient Safety for MCH	08.04.2019	AIIMS, Raipur
6.	Point of Care in Sepsis	NEZCON2019	08.11.2019	NEIGRIHMS, Shillong
7.	3D Applications in Coronary Artery Disease	One Day Workshop on Applications of 3D Echocardiography	12.11.2019	AIIMS, New Delhi

Dr. Monica Khetarpal

S.No.	Title	CME/ conference	Date	Organised by
1.	Faculty in US Guided Supraclavicular Brachial Plexus Block	Cadaveric Ultrasound Regional Anaesthesia Workshop	13- 14.04.2020	AIIMS, Raipur
2.	Faculty in Hemodynamic Monitoring Workshop.	Central Zone ISACON 2019	31.08.2019	AIIMS, Raipur

Dr. Rashmi Dubey

S.No.	Title	CME/Conference	Date	Organised by
1.	Faculty in US Guided Infraclavicular and Axillary Nerve Block.	Cadaveric Ultrasound Regional Anaesthesia Workshop)	13 -14.04.2019	AIIMS, Raipur
2.	Faculty in Haemodynamic Monitoring	CZISACON 2019	31.08.2019	AIIMS, Raipur

Dr. Mayank Kumar

S.No.	Title	CME/Conference	Date	Organised by
1.	Adductor Canal Block & Obturator Block	Cadaveric Ultrasound Regional Anaesthesia Workshop	14.04.2019	AIIMS, Raipur
2.	Procedural Sedation and Analgesia	National Emergency Medicine Conference	04.08.2019	AIIMS, New Delhi
3.	Faculty in Hemodynamic monitoring workshop.	Central Zone ISACON 2019	31.08.2019	AIIMS, Raipur
4.	Analgesic Regime for Thoracic Surgery	Central Zone ISACON 2019	01.09.2019	AIIMS, Raipur
5.	Perioperative Fluid Management in Major Abdominal	32nd Bihar and Jharkhand State Conference of Indian Society of Anaesthesiologists - ISACON 2019	29.09.2019	Bokaro General Hospital, Bokaro Steel City

S.No.	Title	CME/Conference	Date	Organised by
6.	Faculty in a Workshop 'Simulation in Operation Room'	67th National Conference of Indian Society of Anaesthesiologists (ISACON)	25.11.2019	St John's Medical College, Bangaluru
7.	Faculty in 'Difficult Paediatric Airway Workshop'	12th Annual Conference of Indian Association of Paediatric Anaesthesiologists	07.02.2020	Institute of Medical Sciences, BHU, Varanasi

Dr. Sarita Ramchandani

S.No.	Title	CME/ conference	Date	Organised by
1.	Course Faculty	Workshop on Hemodynamic Monitoring during CZ-ISACON 2019	31.08.2019	AIIMS, Raipur

Dr. Habib Md. Reazaul Karim

S.No.	Title	CME/Conference	Date	Organised by
1.	Abdominal Wall Block: US Guided Approach (Lecture and Cadaveric Demonstration)	Cadaveric USG guided Regional Anaesthesia 2019	11.04.2019	AIIMS, Raipur
2.	Laparoscopic Surgeries During Pregnancy (Lecture)	Anaesthesiology Clinics of AIIMS Raipur- 2019	May 2019	AIIMS, Raipur
3.	Emergency Front of the Neck Access and Jet Ventilation (Demonstration on Airway Mannequin)	IAPA Pediatric Airway Workshop, Jodhpur 2019	20.04.2019	AIIMS, Jodhpur
4.	Preoxygenation and Paraoxygenation (Lecture)	CME Paediatric Anaesthesia and Airway Workshop 2019	20.07.2019	AIIMS, Jodhpur
5.	Pulse Pressure Variation in Hemodynamic Management (Lecture)	ISACON CG 2019, Raipur	30.08.2019	AIIMS, Raipur
6.	PPV and PI (Workshop Demonstration)	ISACON CG 2019, Raipur	30.08.2019	AIIMS, Raipur
7.	Deep Vein Thrombosis: What is New in the Evidence? (Panel Discussion)	NEZCCCON 2019, Shillong	08.11.2019	North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences, Shillong
8.	Prevention and Management of DVT in ICU (Lecture)	NEZCCCON CME & CNE, 2019, Shillong	09.11.2019	North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences, Shillong
9.	Advanced Mechanical Ventilation and Inhalational Sedation in ICU using "AnaConda"	NEZCCCON 2019, Shillong	10.11.2019	North Eastern Indira Gandhi Regional Institute of Health & Medical Sciences, Shillong
10.	Perioperative Approach to Patients with Liver Failure (Lecture)	Anaesthesiology Clinics of AIIMS Raipur 2019	22.12.2019	All India Institute of Medical Sciences, Raipur

Dr. Mamta Sinha

S.No.	Title	CME/Conference	Date	Organised by
1.	Femoral Block & Fascia Iliaca Block	Cadaveric Ultrasound Regional Anaesthesia Workshop	14.04.2019	AIIMS, Raipur
2.	Faculty in Hemodynamic Monitoring Workshop.	Central Zone ISACON 2019	31.08.2019	AIIMS, Raipur
3.	Faculty in a Workshop 'Simulation in Operation Room' on at St John's Medical College	67th National Conference of Indian Society of Anaesthesiologists (ISACON)	25.11.2019	St John's Medical College, Bengaluru

RESEARCH

Departmental Projects

Ongoing Projects

S.No.	Projects
1.	The Relationship of Perfusion Index with Post-Subarachnoid Sensory Block Regression in Parturients undergoing LSCS. Study Completed and Submitted for the Final PG Examination.
2.	A Randomised Control Trial Comparing Pulse Pressure Variation (PPV) and Pleth Variability Index (PVI) for Goal Directed Fluid Therapy Intra-Operatively in Patients Undergoing Intracranial (Supratentorial ICSOLs) Surgeries."
3.	Comparison of Efficacy of IV Esmolol with IV Dexmedetomidine in Attenuation of Sympathomimetic Response and BIS Variations to Laryngoscopy and Intubation in Patients undergoing Elective Off Pump Coronary Artery Bypass Grafting, [OP CAB]. A Prospective, Double-blind, Randomised Controlled Trial"
4.	A Randomized Controlled Double-Blind Clinical Study to Assess the Effects of Dexmedetomidine as an Adjuvant to Levo-Bupivacaine in Femoral Nerve Block for Post-Operative Analgesia in Patients Undergoing Knee Surgery"
5.	Comparison of Opioid v/s Opioid Free Anaesthesia in Tympanomastoidectomy-a Prospective, Randomized, Double Blinded Study"
6.	A Prospective, Double Blind Randomized Control Study to Assess the Duration and Quality of Analgesia of Ultrasound Guided Transversusabdominis Plane (TAP) Block with Ropivacaine and Two Different Doses of Dexamethasone in Patients with Lower Abdominal Surgeries
7.	Evaluation of the Effects of Perioperative Duloxetine on Post-Operative Analgesia in Gynaecological Surgeries: A Prospective, Randomized, Double blind, Placebo Controlled Trial.
8.	Relationship of Perfusion Index with nil per Orally Duration and Prediction of Hypotension Following Spinal Anaesthesia
9.	Comparison of Morphine and Dexmedetomidine as Adjuvants to Isobaric Levobupivacaine for Spinal Anaesthesia in Patients Undergoing Abdominal Hysterectomy
10.	Comparison of Proseal LMA™ and Ambu® Auragain™ LMA in Patients Undergoing Laparoscopic Cholecystectomy
11.	A Randomized Prospective Single Blind Study To Compare the Analgesic Efficacy of Thoracic Epidural Block and Erector Spinae Plane Block in Breast Cancer Surgery
12.	A Randomized Prospective Double-Blind Comparative Study to Assess the Analgesic Efficacy of Ultrasound Guided Erector Spinae Plane Block Versus with Port Site Infiltration in Laparoscopic Cholecystectomy
13.	Comparison of Ultrasound Guided Transverses Abdominis Plane Block(TAPB) Versus Erector Spinaeplaneblock (ESPB) for Analgesia after Caesarean Delivery- A Randomized, Open Label, Parallel Group Clinical Trail

S.No.	Projects
14.	Effect of Rea - Time Oxygen Consumption Versus Fixed Flow Based Low Flow Anaesthesia on Oxygenation and Perfusion: A Randomized, Single-Blind Study
15.	Preoxygenation using Pressure Support with Positive End-Expiratory Pressure Versus Manual Bag-Mask Ventilation in Overweight and Obese Patients: A Randomized, Pilot Study
16.	A Multinational Online Survey on the Current Perioperative Practice for the Management of Patients With Diabetes Mellitus: A Descriptive Study.
17.	Comparison of Inferior Vena Cava Collapsibility Index and Perfusion Index as a Predictor of Post-Spinal Anaesthesia Hypotension in Parturient Undergoing Caesarean Delivery: A Self-Controlled, Single-Blind Study
18.	Correlation of Delta Mean Platelet Volume With Delta Procalcitonin Level with Antibiotic Therapy in Sepsis and Septic Shock Patients. A Clinical Study
19.	Effectiveness of a Modified Spirometry Device in Improving Respiratory Parameters in Tracheostomised Patients: A Non-Randomized, Single Centre, Pilot Study
20.	Preoxygenation using Pressure Support with Positive End-Expiratory Pressure versus Manual Bag-Mask Ventilation in Overweight and Obese Patients: A Randomized, Pilot Study
21.	Customized versus Standard Fixed Sized Pillow for Tracheal Intubation in the Sniffing Position: A Randomized Study
22.	A Prospective, Randomised Double-Blinded Study to Compare Phenylephrine and Norepinephrine Infusion to Prevent Hypotension following Subarachnoid Block in Patients Undergoing Caesarean Delivery.
23.	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.

Funded Projects

S.No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year - End year	Total funds sanctioned (Rs.)
1.	Incidence of Acute Kidney Injury after Non-Cardiac Major Plus Surgeries: A Prospective Assessment With Ngal and its Clinical Implications	Dr. Monica Khetarpal	AIIMS, Raipur	1 year	Ongoing	5 Lakh
2.	Information Technology Based Joint Preoperative Assessment and Risk Stratification and its Impact on Patient Management, Perioperative Outcome and Cost.	Dr. Habib Md. Rezaul Karim	AIIMS, Raipur	1 years 10 months	2018 Dec-2020 Aug	5 Lakh
3.	Randomized, Single Blind, Comparison of Two Different Flow Rates of Sevoflurane Anaesthesia on Acute Kidney Injury.	Dr. Habib Md. Rezaul Karim	AIIMS, Raipur	1 years	2020	5 Lakh
4.	Ultrasound Versus Armitage Formula Guided Caudal Block in Paediatric Patients Undergoing Infra Umbilical Surgery: A Randomized Single Blind Comparison of Volume Requirement.	Dr. Chinmaya Kumar Panda	Intramural	1 year	2019-continuing	-

Oral Papers/ Posters Presented

S.No.	Authors	Presentation	Conference	Date	Organised by
1.	Nene Y, Kurwe M, Karim HMR.	A Rare Case of Intraoperative Thermal Burn by OT Overhead Lights	ISACON CG 2019, Raipur	31.08.2019	Indian Society of Anesthesiology, Chhattisgarh

PUBLICATION

1. **Singha S K, Karim HM**, Esquinas A. Poor outcome of laparoscopic cholecystectomy in patients with COPD: how determinant it is? *Int J of ChrObstPulm Dis.* 2019;14:2131-32.
2. **Karim HMR**, Esquinas A, **Singha S K**. Morphine therapy in acute heart failure is associated with increased mechanical ventilation and mortality: Adverse dose-dependent effect or inevitable consequence? *Int J Cardiol.* 2019; 297, 92.
3. Nadia C, **Karim HMR**, Mina B, **Singha SK** et al. Non-invasive ventilation during surgery under neuraxial anaesthesia: a pathophysiological perspective on application and benefits and a systematic literature review. *Anaesthesiol Intensive Ther* 2019; 51, 4:1-10.
4. **Karim HMR**, Esquinas A, Ziatabar S, **Singha SK**, et al. Continuous Positive Airway Pressure in Non-Apneic Asthma: A Clinical Review of the Current Evidence. *Turk Thorac J* 2020; 21(4): 274-9.
5. Agrawal AC, Nayak B, Kumar M, Kowshik S. Management of periarthrosis of shoulder joint by suprascapular nerve block. *J Orthop Traumatol Rehabil* 2019;11:109-
6. **Karim HM**, O'Brien B, Bhakta P, Vassallo MC. Prevention and prediction of postsurgical pain: Comment. *Anesthesiology* 2020;132:933-4.
7. **Karim HM**, Yunus M, **Dey S**. A Retrospective Comparison of Preoperative Estimated Glomerular Filtration Rate as a Predictor of Postoperative Cardiac Surgery Associated Acute Kidney Injury. *Annals of Cardiac Anaesthesia.* 2020; 23(1):53-8.
8. Bhakta P, **Karim HMR**, O'Brien B, Esquinas AM. Aeration changes induced by high flow nasal cannula are more homogeneous than those generated by non-invasive ventilation in healthy subjects: Comments and observations. *Journal of Critical Care.* 2020; 57:275-276
9. **HMR Karim**. Hysteresis Loop Can be an Adjunct Monitoring for Neuromuscular Blockade while on Controlled Ventilation During Low- and Minimal-Flow Anaesthesia. *Turkish J Anaesthesiol Reanim.* 2020;48(1):84-5.
10. **Karim HM**, Bhakta P, Vassallo C M. Is regional anesthesia inferior or superior to general anesthesia in day-care arthroscopic knee surgery? The dilemma is still open-ended. *Journal of Clinical Anesthesia.* 2020;59:16-17.
11. **Karim HM**, Esquinas M A. Saiphoklang et al.'s home mechanical ventilation in a developing country: What else can be done for an improved future program? *Lung India.* 2019;36(6):570.
12. **Karim HM, Neema PK, Iqbal J**. Perioperative challenges in a primary hyperparathyroid patient with osteitis fibrosa cystica and borderline QTc: a case-based review and practice analysis. *Prog Health Sci* 2019; 2 : 57-63.
13. **Karim HM**. A Basic Algorithmic Approach to a Patient With Shock in the Emergency Department. *SSRN Electronic Journal.* 2019;2019:3457779
14. Corione N, **Karim HM**, Mina A B, et al. Non-invasive ventilation during surgery under neuraxial anaesthesia: a pathophysiological perspective on application and benefits and a systematic literature review. *Anesthesiology Intensive Therapy.* 2019;51(4):289-298.
15. Bhakta P, **Karim HM**, O'Brien B, et al. An infrapatellar nerve block reduces knee pain in patients with chronic anterior knee pain after tibial nailing: a randomized, placebo-controlled trial in 34 patients. *Acta orthopaedia.* 2019;90(5):505.

16. **Karim HM**, Esquinas AM. Comment on "Noninvasive Ventilation Weaning in Acute Hypercapnic Respiratory Failure due to COPD Exacerbation: A Real-Life Observational Study. *Canadian Respiratory Journal*.2019;2019 (Artical ID 5490510:1-2.)
17. **KarimHM**, ObradovikD, EsquinasAM. Preintubation feedback controlled machine delivered noninvasive ventilation versus human delivered traditional mask ventilation: is human performance inferior to machine? *Journal of Clinical Monitoring and Computing*.2019;Epub-ahead-of-print.
18. Esquinas AM, **Karim HMR**, Mina B. In response to Na et al.'s long-term mortality of patients discharged from the hospital after successful critical care: do we need more comprehensive data?. *Korean J Anesthesiol*. 2020;73(2):171-172. doi:10.4097/kja.19366
19. **Karim HM, Panda CK**. Predictors of Mortality in Acute Kidney Injury Patients in an Intensive Care Unit: Is Hemodialysis No Good? *Indian Journal of Critical care Medicine*.2019;23(9):439.
20. **Karim HM**, Esquinas AM. Autocycling During Noninvasive Positive Pressure Ventilation as a Factor for Severe Syncope: Exciting Observation, But Needs More Scrutiny. *Journal of Clinical Sleep Medicine*.2019;15(9):1377.
21. **Karim HMR**. Smoked for Years but Stopped a Few Months Back: Dilemma Regarding the American Society of Anesthesiologists Physical Status. *Turk J AnaesthesiolReanim*. 2019;47(6):515-516. doi:10.5152/TJAR.2019.28863
22. **Karim HM**. Propofol-Based total intravenous anesthesia reduces prolonged extubation as compared to desflurane-based anesthesia: A few more facts are required. *Journal of Medical Sciences* 40 (2), 99-100
23. **Karim HM**, Zaccagnini M, Esquinas AM. Acute increase in nasal high flow support and ROX index stability: Our insights in response to Mauri T et al. *Journal of critical care*.2019;58:132.
24. **Karim HM, Panda CK**. Preoperative chest disease and postoperative pulmonary complications: Anticipated results still need further examination. *Eurasian Journal of Pulmonology*.2019;21(2):138-139.
25. Esquinas AM, **Karim HM**, Zaccagnini M. In response to Mamo et al. Noninvasive Ventilation After Thoracoabdominal Aortic Surgery: Is the Prevention of Postoperative Pulmonary Complications rock-solid? *Journal of Cardiothoracic and Vascular Anesthesia*.2019 Nov;33(11):3219-3220.
26. Diaz T, Barbagelate E, Cilloniz C, et al. Non-invasive ventilation in palliative care. A narrative review. *Minerva Medical*.2019 Dec;110(6):555-563.
27. Bhakta P, **Karim HM**, O'Brien B, Esquinas AM. Trial of Noninvasive Ventilation with Pressure or Adaptive Support in Acute Exacerbation of COPD by Sehgal IS et al: Further Considerations. *COPD Journal of Chronic Obstructive Pulmonary Disease*.2019 Aug;16(3-4):303-304.
28. **Karim HM**. Healthcare delivery cost and anesthesiologists: Time to have a greater role and responsibility. *World Journal of Aneesthesiology*.2019;8(3):19-24.
29. Esquinas AM, **Karim HM**. Noninvasive Mechanical Ventilation in Combination With Propofol Deep Sedation in Left Atrial Ablation Procedures: Yes, but should be cautious. *TheAmerical Journal of Cardiology*. 2019 Sep 15;124(6):993.
30. Zaccagnini M, Esquinas AM, **Karim HM**. In response to Galindo-Filho et al. A mesh nebulizer is more effective than jet nebulizer during noninvasive ventilation of COPD subjects: A few practical points. *Respiratory Medicine*.2019;160:105754.
31. **KarimHM**, EsquinasAM. An introspection into the management of subglottic stenosis in pregnant women using advanced apnoeic ventilatory techniques by Damrose et al. *The Journal of Laryngology & Otology*.2019 Aug;133(8):733.
32. **Karim HM**, Bhakta P, Vassallo M. Withholding antiplatelet therapy before noncardiac surgery might increase the risk of major adverse cardiovascular events: numbers often hide the truth (Comment on BJA 2019 ...). *British Journal of Anaesthesia*.2019 Sep;123(3):e463-e465.

33. Bhakta P, **Karim HM**, Vassallo M. Is an intravenous bolus of dexmedetomidine really a safe and effective option in treating shivering following neuraxial anesthesia? *Canadian Journal of Anesthesia*. 2020 Jan;67(1):143-144.
34. **Karim HM**. Minimum alveolar concentration based anesthesia in high altitude and anesthetic overdose: result needs cautious acceptance. *Medical Gas Research*. 2019;9(2):107.
35. Esquinas AM, **Karim HM**. Physiotherapist-administered non-invasive ventilation to reduce postoperative pulmonary complications. *Physiotherapy*. 05 Jun 2019, 107:327.
36. Anilkumar N, Pakash A, **Karim HM**, et al. An observation into the accumulation of N₂O in the pneumoperitoneum during laparoscopic surgeries. *Indian Journal of Clinical Anaesthesia*. 2019;6(2):187-188.
37. **Karim HM**. Thiopental versus Propofol on the outcome of the newborn after caesarean section: Can urgency grade affect the impact? *Anesthesia, Critical Care & Pain Medicine*. 2019 Dec;38(6):673.
38. **Karim HM**, Esquinas AM, Praveenkumar SE. Intensive care unit readmissions- Separate entity or a disease continuum. *Journal of Critical Care*. 2019 Dec;54:277
39. **Karim HM**. American Society of Anesthesiologists physical status: how the obscurity in the system itself contributes to inaccuracies and variations in classification. *Korean Journal of Anesthesiology*. 2019;72(5):506-507.
40. **Karim HM**, **Sinha M**, **Kumar M**, et al. An observation from an online survey: is fresh gas flow used for sevoflurane and desflurane different from isoflurane based anesthesia? *Medical Gas Research*. 2019;9(1):13-17.
41. **Karim HM**, Esquinas AM. Success or Failure of High Flow Nasal Oxygen Therapy: ROX Index is Good, Modified ROX May Be Better. *The American Journal of Respiratory and Critical Care Medicine*. 2019 Jul 1;200(1):116-117
42. **Karim Habib MdRezaul** et al. Fiberoptic intubation under conscious sevoflurane sedation in anticipated difficult intubation cases with unfavorable conventional airway preparation. *Bali Journal of Anesthesiology*, [S.l.], v. 3, n. 2, aug. 2019
43. **Panda CK**, **Karim HM**. Too much of anything is bed. An unusual case of stuck endotracheal tube with deflated cuff. *Saudi J Anaesthe* 2019;13:156-7
44. **Panda CK**, **Karim HM**. Too much of anything is bed. In response to the comment on an unusual case of stuck endotracheal tube with deflated cuff. *Saudi J Anaesthe* 2020;14:283-4.
45. **Sinha M.**, **M. Kumar**, and **H. M. R. Karim**. "Online survey about anesthesia-related practice and patient safety in Indian hospitals." *Journal of Healthcare Quality Research* (2020).

A. Book Chapters

1. **Karim HMR**. Troubleshooting of Renal Replacement Therapy, Plasma Exchange. In: Das SK, Choupoo NS (Editors). *Essentials of Critical Care Practical Examinations* 1st edition. Chandigarh: White Falcon Publishing; 2020.pp225-241.
2. Bhakta P, O'Brien B, **Karim HMR**. Equipment Design Non-Invasive Ventilators. *Engineering and algorithms in Critical Care Non-invasive ventilator*. Esquinas AM (Editor). New York: Nova Science Publishers; 2020;pp.83-104.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Praveen Kumar Neema

1. President Indian Association of Cardiovascular and Thoracic Anaesthesiologists
2. Editorial board Member "Journal of Cardiothoracic and Vascular Anesthesia"
3. Editorial Board Member "Journal of Anaesthesiology and Clinical Pharmacology"

4. Reviewer “Journal of Anaesthesiology and Clinical Pharmacology”
5. Reviewer “Journal of Clinical Monitoring and Computing”
6. Reviewer “European Journal of Anaesthesiology”
7. Reviewer “European Journal of Cardiothoracic Surgery”
8. Reviewer “Journal of Clinical Anesthesia”
9. Reviewer “Indian Journal of Medical Research”
10. Reviewer “Indian Journal of Anaesthesiology”
11. Reviewer “Echocardiography”
12. Reviewer “Trends in Anaesthesia and Critical Care”
13. Started postdoctoral certificate course (PDCC) in Neurosurgical Anaesthesia at AIIMS Raipur
14. Started PDCC in critical care at AIIMS Raipur
15. Chairman thesis review committee

Dr. Subrata Kumar Singha

1. Vice President, ISA Chhattisgarh State
2. Member, Editorial Board, Annals of Cardiac Anesthesia
3. Establishing, Procurements and commissioning of B block OT complex. Currently Cardiac (including open heart procedures) Urosurgery, Pediatric surgery & Ophthalmological surgeries are performed on designated days.

Dr. Habib Md. Reazaul Karim

Dr. Habib Md. Reazaul Karim is awarded Fellowship in Noninvasive Ventilation by International Association for Non-invasive Ventilation

DEPARTMENT OF AYUSH

MEDICAL OFFICERS

1. Dr. Sunil Kumar Rai, Ayurveda
2. Dr. Vikram Pai, Yoga & Naturopathy
3. Dr. Adnan Mastan, Unani
4. Dr. Lakshmana Kumar, Siddha
5. Dr. Ashutosh Tripathi, Homoeopathy

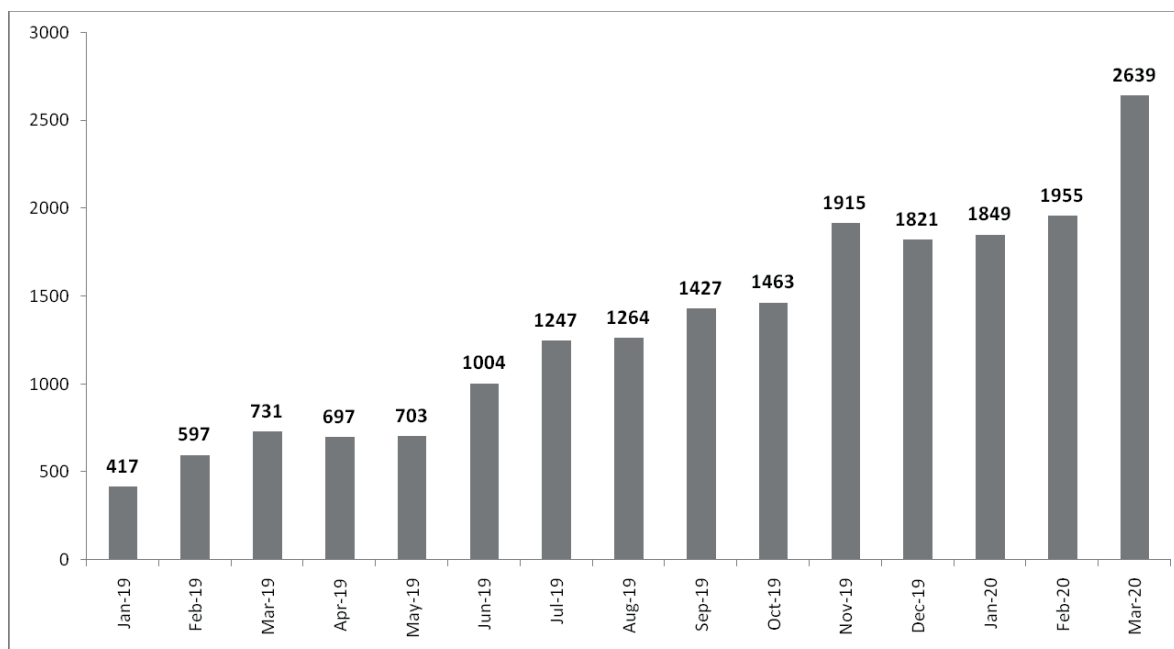
HIGHLIGHTS

The following new AYUSH Therapies were introduced at AIIMS, Raipur in 2019-2020:

- Kshar sutra, Vamana, Janu Basti, Shirobasti, Kati Basti, Griva Basti, Netra Kriya Kalp, Nasya, Niruha & Anuvasan Basti, Shirodhara in the Department of Ayurveda.
- Homeopathy Medicine Ars .albs 30 was distributed as prophylactic medicine for COVID-19.
- Leech therapy (Irsale alaq), Fomentation therapy (Takmeed Aam wa Maqami) and further strengthening of Cupping therapy (Hijama) in the Department of Unani.

- More than 1200 Patients underwent therapeutic procedures by department of Unani.
- Ennai Kattu (Oil pooling), Vedhu Therapy (Inhalation) in the Department of Siddha.
- Unani Prophylactic medicine was distributed during COVID-19 outbreak.
- The Department had been doing Pulse Diagnosis with Digital Yantra. The Department is well equipped for PANCHKARMA and Khar Sutra Therapy.

Total number of OPD patients in AYUSH



NEW WING OF AMRIT PHARMCY AT AYUSH BUILDING, AIIMS, RAIPUR



Homoeopathy Dispensary



Ayurveda, Unani & Siddha Dispensary

AWARENESS PROGRAMS/ WORKSHOPS CONDUCTED:

1. 5th International Day of Yoga

5th International Day of Yoga was observed on 21st June 2019 at AIIMS, Raipur Campus. The program was attended by Prof. Dr. Nitin M Nagarkar, Director, AIIMS Raipur; Prof. Dr. Karan Peepre, Additional Medical Superintendent, Faculty, Staff & Students of AIIMS Raipur. Dr. Vikram. Pai, Medical Officer (AYUSH) Yoga conducted the Yoga protocol session on this occasion.



2. 4th National Ayurveda Day

4th National Ayurveda Day was observed on 25th October 2019 at AIIMS, Raipur Campus. Dhanvantari Pooja was performed by Prof. Dr. Karan Peepre, Medical Superintendent, AIIMS Raipur along with Dr. Sunil Kumar Rai, Medical Officer (Ayurveda), AIIMS, Raipur. Faculty, staff and patients of AIIMS Raipur were present at this occasion.



3. 2nd National Naturopathy Day

2nd National Naturopathy Day was observed on 18th Nov 2019 at Lecture Theater 4, AIIMS Raipur to create awareness about Naturopathy system of Medicine among the faculty and general public. The program was conducted in association with National Institute of Naturopathy, Pune. Prof. Dr. Karan Peepre, Medical Superintendent, AIIMS Raipur inaugurated the program and Prof. Dr. Nitin M Nagarkar, Director, AIIMS Raipur presided over the function. The program was attended by Faculty, Staff & Students of AIIMS Raipur.



PARTICIPATION IN NATIONAL & INTERNATIONAL CONFERENCES

1. Dr. Ashutosh Tripathi, Medical Officer (Homoeopathy), AIIMS, Raipur participated in 2 day Scientific Convention on World Homoeopathy Day 2019 on 09.04.2019 and 10.04.2019 at Dr. Ambedkar International Centre, Janpath, New Delhi organized by Central Council of Research in Homoeopathy.
2. Dr. Lakshmanakumar, Medical Officer (Siddha), AIIMS, Raipur participated in a National Conference on Siddha Science for Preventive and Promotive Health on account of National Siddha Day 2020 on 13.01.2020 at Chennai, Tamil Nadu organized by Central Council of Research in Siddha.
3. Dr. Adnan Mastan, Medical Officer (Unani), AIIMS, Raipur participated in 2 day International conference on Unani Medicine – Towards Achieving The Sustainable Development Goal (SDG-3) Of Good Health and Well-Being on account of National Unani Day 2020 on 11.02.2020 and 12.02.2020 at Vigyan Bhavan, New Delhi organized by Central Council of Research in Unani Medicine.

DEPARTMENT OF BIOCHEMISTRY

Professor & Head

Dr. Eli Mohapatra

Additional Professor

Dr. Rachita Nanda

Associate Professors

Dr. Suprava Patel

Dr. Jessy Abraham

Assistant Professor

Dr. Seema Shah

HIGHLIGHTS

The Department of Biochemistry organized a hands on workshop on flowcytometry on 10th Dec 2019. The objective of the workshop was to understand the working & functioning of Flowcytometer.

The Department successfully organized a National Symposium on “Immune Dysregulation and Autoimmunity” on 11th Dec 2019.

EDUCATION

Hands on diagnostic training was provided to the district hospital laboratory technicians on 23-24 & 26-27 December, 2019 at AIIMS, Raipur.

New batch for B.Sc MLT and B.Sc OT Technician has been commenced.

Training was provided to students from NIT, Raipur from 06.06.2019 to 05.07.2019 and 26.06.2019 to 08.07.2019.

Integrated Student Seminar for MBBS batch 2019-20, was conducted in collaboration with Department of Biochemistry, Anatomy, Physiology, Paediatrics and Cardiology.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Organized by the Department of Biochemistry, AIIMS, Raipur

S. No.	CME/Conference	Date
1.	Symposium on “Immune Dys-regulation and Autoimmunity”	11.12.2019
2.	Hands on workshop on Flowcytometry	10.12.2019

LIST OF ORAL PAPERS/POSTERS PRESENTED

Dr. Rachita Nanda

S. No.	Authors	Presentation	Conference	Date	Organised By
1.	Nanda R, Gupta P, Priya R, Patel S, Mohapatra E	Anti-Nuclear Antibody Pattern Distribution and Clinical Profile in Patients Suspected of Auto-Immune Disorders	15 th APFCB Congress and workshop. Oral presentation at the conference.	19 th -21 st November 2019.	JECC, Jaipur

Dr.Suprava Patel

S. No.	Authors	Presentation	Conference	Date	Organised By
1.	Patel S , Padhi P, Naik T, Ritupriya, Nanda R, Mohapatra E	Neonatal Screening for Congenital Hypothyroidism and G6PD Deficiency in Tertiary Care Hospital in Chhattisgarh	15 th Asia-Pacific Federation for Clinical Biochemistry and Laboratory Medicine Congress	17 th – 20 th November 2019	JECC, Jaipur

Dr.Seema Shah

S. No.	Authors	Presentation	Conference	Date	Organised By
1.	Dr. Seema Shah	Sickle Cell Trait Presenting as Chronic Calcific Pancreatitis with Pseudocyst;	15 th APFCB Congress 2019	17-20 Nov. 2019	JECC, Jaipur

RESEARCH

Funded Projects

Ongoing

Dr. Rachita Nanda

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Apolipoprotein A1 Polymorphism(G-75A and C+83T) in Patients with Diabetic Foot ulcers	Dr. Rachita Nanda	Intramural Grant	2 years	2018- 2020	₹ 5,00,000/-

Dr.Suprava Patel

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Prevalence of MTH-FR Polymorphism and Its Impact in Patients of Sickle Cell Disease and Trait in Chhattisgarh – a Pilot Study	Dr. Suprava Patel	CGCoST, Raipur	-	2017-	₹ 5,00,000/-

Dr.Jessy Abraham

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Evaluate Plasma Circulating Tumor Cells and DNA to Monitor Breast Cancer Therapy	Dr. Jessy Abraham	AIIMS Intramural	-	2018	₹ 5,00,000/-

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
2.	Assessment of Plasma Free DNA Integrity as Potential Independent Prognostic Markers for Head and Neck Squamous Cell Cancers	Dr. Jessy Abraham	CGCOST	2 years	2018 -2020	₹ 4,95,680/-

Completed

Dr.Eli Mohapatra

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Role of Serum GGT and Serum Ferritin in Metabolic Syndrome	Dr.Eli Mohapatra	AIIMS, Raipur	1.5 Years	2018-2019	₹ 1,33,024.00

Dr.Suprava Patel

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Prevalence of Congenital Hypothyroidism and G-6PD Deficiency in Newborns – Pilot Study in a Tertiary Hospital in Chhattisgarh	Dr. Suprava Patel	AIIMS, Raipur	3 years	2016- 2019	₹ 5,00,000/-

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Association between FTO A/T 9 (rs9939609) Polymorphism and Metabolic Syndrome.
2.	The Impact of A1298C SNP in MTHFR Gene on Levels of Tetrahydrobiopterin and Nitric Oxide in Patients with Sickle Cell Disorders.
3.	Correlation of Th17 Cells and Cytokines with Disease Activity in Systemic Lupus Erythematosus

Collaborative Projects

On-going

Dr. Eli Mohapatra

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, C.G
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, C.G
4.	Reference Interval of Thyroid Hormones in the First Trimester of Pregnancy	Department of Biochemistry, AIIMS, Raipur
5.	Prevalence of Congenital Hypothyroidism and G-6PD Deficiency in Newborns – Pilot Study in a Tertiary Hospital in Chhattisgarh	Department of Biochemistry AIIMS, Raipur C.G
6.	Association of Apolipoprotein A1 Polymorphism (G-75A and C+83T) in Patients with Diabetic Foot Ulcers	Department of Biochemistry, AIIMS, Raipur C.G
7.	Serum 25 Dihydroxy Vitamin D3 Level Estimation and Insulin Resistance in Women of 18-40 years Age Group with Polycystic Ovarian Syndrome.	Department of OB-GYN AIIMS, Raipur, C.G
8.	Association of Serum Vitamin-D Status with Somatic and Autonomic Neuropathy in Pre-Diabetics	Department of Physiology AIIMS, Raipur. C.G
9.	Therapeutic Efficacy of a Yoga on Biochemical Profile, Anxiety and Sleep Quality Index of Asthmatics: A Randomized Controlled Trial-Pilot Project	Department of Pulmonary Medicine AIIMS, Raipur. C.G
10.	Study of Emerging Biomarker of Renal injury in Acute Kidney injury in Term Neonates with Perinatal Asphyxia – A Nested Case Control Study	Department of Paediatrics , AIIMS Raipur
11.	T Cell and Cytokine Profile in Sickle Cell Disorder in Predicting Clinical Outcome	Department of Biochemistry, AIIMS, Raipur
12.	Correlation Study of Endothelial Function & Biomarkers in Patients of Sickle Cell Anemia at Chhattisgarh	Department of Physiology, AIIMS, Raipur.C.G
13.	Estimation of Plasma Interleukin -33 Level in Sickle Cell Disease Patients with Hip Osteonecrosis	Department of Orthopedics, AIIMS, Raipur.C.G

Dr. Rachita Nanda

S. No.	Project	Collaborating Department/Institution
1.	Soft Bipolarity and Peripheral Biomarkers in Patients with Cannabis use Disorder, their First Degree Relatives and Healthy Controls: A Comparative Study	Psychiatry / AIIMS, Raipur
2.	Assessing the Role of Inflammation in Patients with Unipolar Depression: A Cross Sectional Study	Psychiatry / AIIMS, Raipur

S. No.	Project	Collaborating Department/Institution
3.	Serum Testosterone Level and Semen Quality in Males Patients with Sickle Cell Disease Attending AIIMS, Raipur OPD.	OB-GYN/ AIIMS, Raipur
4.	Estimation of Plasma Interleukin -33 Level in Sickle Cell Disease Patients with Hip Osteonecrosis	Department of Orthopedics, AIIMS, Raipur C.G

Dr.Suprava Patel

S. No.	Project	Collaborating Department/Institution
1.	Testing of Microdeletion of Genes on Y Chromosome in Male Partner of Infertility Cases	Department of Anatomy, AIIMS, Raipur
2.	A Clinical and Epidemiological Profile of Patients with Chronic Kidney Disease of Unknown Etiology Attending AIIMS, Raipur CG	Department of Nephrology, AIIMS, Raipur

Dr. Seema Shah

S. No.	Project	Collaborating Department/Institution
1.	Study of Emerging Biomarker of Renal Injury in Acute Kidney Injury in Term Neonates with Perinatal Asphyxia – A Nested Case Control Study	Paediatrics , AIIMS Raipur

Completed

Dr. Eli Mohapatra

S. No.	Project	Collaborating Department/Institution
1.	Drug Designing for Anti-Cancer Drug/Anti-Sickling Drug	Co-Supervisor for PhD Students from Pandit Ravi Shankar Shukla University, Raipur

Dr.Suprava Patel

S. No.	Project	Collaborating Department/Institution
1.	Awareness about Folic Acid Supplementation and Folic Acid Status in Pregnant Women of Abhanpur Block of Raipur District, C.G	Department of Community and Family Medicine, AIIMS, Raipur

PUBLICATIONS

1. **Patel S, Nanda R, Mohapatra E.** Allelic distribution of A1298C and C677T polymorphisms of MTHFR in Central India. J Clin Diag Res.2019;13(12):BC05-BC09.
2. Yamini Thakur, Mamta Tripathi, Bharati Verma, Rubi Khilari, Rama Pande, **Eli Mohapatra** et al. New insight into the DNA

binding studies, In Vitro anti-cancer activity and molecular modelling of dloxo complexes of Molybdenum(vi) and Tungsten (VI) hydroxamic acids. Journal of Macromolecular Science, part A Pure and applied Chemistry. <https://doi.org/10.1080/10601325.2019.1578615>

3. **Prasanta K Nayak**, Subarna Mitra Jayaprakash Sahoo, **Eli Mohapatra**, **Sarita Agrawal**, Zamir Lone Relationship of subclinical hypothyroidism and obesity i polycystic ovarian syndrome patients. Journal of Family Medicine and Primary care.. January 2020. Volume 9/ Issue 1.147-150.
 4. **Patel S.**, Bhaumik S. Sickle cell disease and folate supplementation. Pan J Med Sci, May-Aug, 2019;9(2):39-42.
1. List of **abstracts published in journals.**
1. **Patel S, Padhi P, Naik T**, Ritupriya, **Nanda R, Mohapatra E.** Neonatal Screening for Congenital Hypothyroidism and G6PD Deficiency in a Tertiary Care Hospital in Chhattisgarh. Ind J Clin Biochem (2019) 34 (Suppl 1):S1–S233
 2. **Nanda R**, Gupta P, Ritupriya, **Patel S, Mohapatra E.** Anti-Nuclear Antibody Pattern Distribution and Clinical Profile in Patients Suspected of AutoImmune Disorders. Ind J Clin Biochem (2019) 34 (Suppl 1):S1–S233
 3. **Rathore V**, Pal R, **Galhotra A, Patel S, Nagarkar MN.** A CLINICAL AND EPIDEMIOLOGICAL PROFILE OF PATIENTS WITH CHRONIC KIDNEY DISEASE OF UNKNOWN ETIOLOGY ATTENDING AIIMS, RAIPUR, CHHATTISGARH. Kidney International Reports (2020) 5, S1–S392
 4. **Dr. Seema Shah** : Sickle cell trait presenting as Chronic calcific pancreatitis with pseudocyst; IJCB ,Nov. 2019
 5. Prishni Gupta*, Ritu Priya, **Rachita Nanda, Eli Mohapatra** A peep in to the prevalence and clinical significance of the uncommon ANA patterns in Central India
 6. Dr. Ritu Priya, **Dr. Eli Mohapatra** To establish serum GGT and serum Ferritin as risk marker for Metabolic syndrome
 7. Prishni Gupta*, RituPriya, **Eli Mohapatra** A hospital based evaluation of micronutrient status in Central India
 8. Dr. Pratishtha Agrawal, Dr. Ritu Priya , **Dr. Eli Mohapatra** EVALUATION OF SERUM URIC ACID IN DIABETIC INDIVIDUALS
 9. Gupta P, Priya R, **Nanda R, Mohapatra E** A peep into the prevalence and clinical significance of the uncommon ANA patterns in Central India. Eur J Immunol Doi:10.1002/eji.201970400 49(3) 243 2019
 10. **Nanda R, Patel S, Mohapatra E.** Tackling the lipemic serum with high speed centrifuge. Clin Chem Lab Med Doi: 10.1515/cclm-2019-0104 57(4) eA36 2019
 11. Dr. S.D.Prasad, Dr.M.Kejriwal, **Dr. .Eli Mohapatra ,Dr.R.Nanda, Dr.S.Patel, Dr.S.Shah** To Evaluate Serum Vitamin D and Serum CRP Level in Inflammatory Disorder Patients in Tertiary Care Hospital
 12. Shradha Verma*, P. Gupta, R.Priya, **S. Patel, S.Shah, J. Abraham, R.Nanda, E.Mohapatra** Genetic Disorder Screening of Infants in a Tertiary Care Centre of Central India.

PATIENT CARE

1. Clinical Service lab, Biochemistry – Total Number of Tests= **11,18,344**
2. The Department of Biochemistry in collaboration with Department of Pediatrics, AIIMS, Raipur and in association with National Urban Health Mission, Raipur had organized a 2 days Newborn Screening Awareness Program and health camp at Bhanpuri and Rajatalab Urban Primary Health Centres on 18th & 25th September 2019.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr.Eli Mohapatra, Professor & Head

1. Elected fellow International Medical Sciences Academy(IMSA)

Dr. Rachita Nanda, Additional Professor

1. Selected as FAIMER Fellow at Set GSMC Regional Institute for 2020
2. Elected fellow International Medical Sciences Academy(IMSA)

***Dr.Prishni Gupta**, Postgraduate Junior Resident (Academics-III) was awarded **CST-Asia Pacific Travel Awards** for attending 17th International Congress of Immunology from October 19-23, 2019 at Beijing, China

Hands on workshop on Flowcytometry



National Symposium on “Immune Dysregulation and Autoimmunity”



DEPARTMENT OF BURNS AND PLASTIC SURGERY

Assistant Professors

Dr. Jiten Kumar Mishra
Dr. Shamendra Anand Sahu

HIGHLIGHTS

The Department is rapidly increasing the spectrum of reconstruction works and undertaking the major reconstruction surgeries in head and neck cancer patients, hand and lower limb injuries, post skin malignancy defects, oculoplastic surgery, thoracic defects, and almost all the congenital and acquired defects and deformity of anatomical body parts.

Microsurgical procedures like free tissue transfer; repair of nerve and vessel injuries, Brachial plexus surgery and creation of AV fistula in chronic renal disease is being routinely done. Corrective surgeries and rehabilitation of post burn deformity, post burn scarring and post leprosy limb deformity is done. Pediatric Congenital deformity like syndactyly,

polydactyly, hypospadias, cleft lip-palate, club hand is being corrected. Aesthetic Surgeries like breast reduction, gynaecomastia correction, and scar revision is being done. Minor surgical procedure room is being set up in the outpatient clinic.

Establishment of dedicated 12 bedded Burn unit with modern facilities with HDU and dedicated Burn OT has been approved for care of Acute Burn patients.

Admission for One M.Ch. superspeciality seat per session has been approved from July 2020 Onwards. The Department is planning to establish micro vascular training lab for teaching and training of residents.

EDUCATION

1. Teaching and training of the other departments PG Students (Like General Surgery) posted to our Department on rotation basis.
2. Teaching of the Junior & Senior Residents of different AIIMS Departments,
3. Presentation done at Academic meeting held at AIIMS Raipur on 13th September, 2018 on the topic: 'Microvascular Reconstruction of Bony Defect with Free Fibula Flap: An Optimal Choice' by Dr. Jiten Kumar Mishra and on the topic: 'What we do' by Dr. Shamendra Anand Sahu

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

On the occasion of world plastic surgery day(15th July 2019), the department of Burns & Plastic surgery organized one day CME cum Panel discussion on 'Brachial Plexus Injury' at AIIMS, Raipur Prof (Brig) Dr. P. S. Bhandari, Senior Consultant & Ex Head, Dept. of Plastic Surgery, Army Hospital (R&R), New Delhi was invited as subject expert and guest faculty for delivering lectures.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Jiten Kumar Mishra

S. No.	Title	CME/Conference	Date	Organized by
1	Chaired a scientific session on "Hypospadias Repair"	APMPCGCON-2019 Bhopal	08.09.2019	Association of Plastic surgeons of MP & CG

ORAL PAPER/POSTER PRESENTED

S. No.	Authors	Title	Conference	Date	Organized by
1.	Mishra JK	Head & Neck Oncoreconstruction: Our Early Experience with One and Half Year Duration at AIIMS Raipur	APMPCGCON - 2019 Bhopal	08.09.2019	Association of Plastic Surgeons of MP & CG
2.	Mishra JK	Reconstruction of Heel Defect after Resection of Large Malignant Melanoma Using ALT Flap Based On Single Vena Commitants : An Uncommon Anatomical Variation	APSICON - 2019 Bhubaneswar	11-15.12.2019	Association of Plastic Surgeons of India
3.	Sahu SA	Reverse Anterolateral thigh flap : Clinical Anatomy and Its Use in the Lower Limb Reconstruction	APMPCGCON - 2019 Bhubaneswar	08.09.2019	Association of Plastic Surgeons of MP & CG
4.	Sahu SA	Unusual Case of Upper Lip Maltoma Mistreated as a Case of Vascular Malformation	APSICON - 2019 Bhubaneswar	11-15.12.2019	Association of Plastic Surgeons of India
5.	Sahu SA	Setting up of plastic surgery department in new upcoming AIIMS like institutions: Sharing our experience	APSICON - 2019 Bhubaneswar	11-15.12.2019	Association of Plastic Surgeons of India

RESEARCH

Departmental Project (Including Thesis / Dissertations)

Ongoing

S. No.	Project
1.	Situational Analysis of Burns headed by AIIMS, New Delhi

PUBLICATIONS

- Mishra JK**, Borkar NK, Kar BK, **Sahu SA**, Shrimor P .Isolated hexadactylia: A rare case of central polydactyly of the foot: The Foot, Volume 42, March 2020.
- Borkar NB, Padhi P, **Mishra JK**, **Sahu SA**, Mohanty D, Singh S.Necrotizing Fasciitis in Neonate and Use of Allograft .Journal Of Neonatal Surgery, Volume 8, Issue 3, 2019.
- Parija D, Kar BK, Das P, **Mishra JK**, Agrawal AC, Yadav S. Septic arthritis of knee due to Burkholderiapseudomallei: a case report. Journal Tropical Doctor.2020 May 21.
- Sahu KK, Kale SR, **Sahu SA**. United States Medical Licencing Examination (USMLE) and residency match in United States: Cost estimate for foreign medical graduates (FMG's). Postgrad Med J. 2019;95(1122):230-232.
- Sahu KK, Lal A, Kumar Mishra A, **Sahu SA**. E-Cigarettes and Methemoglobinemia: A Wolf in Sheep's Clothing. Am J Med. 2019;132(10):e759. doi:10.1016/j.amjmed.2019.06.009
- Sahu KK, **Sahu SA**, Nageshwar P. Temporal region myeloid sarcoma: When to Suspect and How to Approach? [published online ahead of print, 2020 May 12]. Oral Maxillofac Surg.

PATIENT CARE

1. Dedicated Cleft lip & Cleft palate clinic on every Monday 2-4 PM for management of patient with cleft lip and palate deformity.
2. All kinds of microsurgery including free tissue transfer in oncoreconstruction, Brachial plexus and peripheral nerve surgeries are being done for which patients were referred to center in other states.
3. Facility for minor surgeries will be started very soon in Minor surgery procedure room in the OPD.
4. Good amount of collaborative reconstruction surgical work is being done with other departments like Orthopedics, General Surgery, CTVS, Pediatric surgery, Gynecology. Neurosurgery

DEPARTMENT OF CARDIOLOGY

Assitant Professors

Dr. Satyajit Singh (Head)

Dr. Mukesh Kumar Yadav

HIGHLIGHTS:

The Department of Cardiology, AIIMS Raipur provided 14,885 OPD consultations in the year 2019-20 (April 1, 2019 – March 31, 20). In the year 2019-2020, 458 invasive cardiac procedures were performed in cardiac catheterization lab (412 coronary angiographies, 46 coronary angioplasties and stenting). Apart from this, 22 emergency pericardiocentesis were done in patients of massive pericardial effusion with tamponade physiology. In the non-invasive lab, 5012 ECG, 36 exercise stress test, 4980 echocardiographic studies, 7

transesophageal echocardiographic studies were conducted. Since the inception of department, total number of echocardiographic studies conducted in non-invasive lab is 9,681. Primary PCI facility was started this year. Dr. Mukesh Yadav performed complex LM bifurcation stenting in a patient with grade IV instent-restenosis.

The Department of Cardiology got approval from Institute's Academic Council for starting DM (Cardiology) programme from July 2020.

EDUCATION:

The department of Cardiology is actively involved in imparting problem based and case based learning to post-graduates of the institute. Clinical teaching is imparted in the OPD, IPD, non-invasive and invasive lab. At present, we have 2 non-DM SR (MD INTERNAL MEDICINE) who have been given supervised Hands on echocardiography training. Interdepartmental academic activities like seminar, case discussions, basic echocardiographic training are held in collaboration with Department of Anaesthesiology, Radiodiagnosis and Nuclear Medicine Department. The Academic council of AIIMS Raipur has approved DM (Cardiology) course with intake of one student per session.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES:

Dr. Satyajit Singh

S. No	Title	CME / Conference	Date	Organized by
1.	Managing a Chronic Heart Failure Case - which Betablocker to Prefer	Heart Failure Symposium	21.07.2019	Narayana Hrudyalaya, Raipur
2.	Echocardiography of the Right Heart - the Forgotten Ventricle	AIIMS, Jodhpur National Cardiology Update -2020	19.01.2020	AIIMS, Jodhpur

Dr. Mukesh Kumar Yadav

S.No	Title	CME / Conference	Date	Organized by
1.	Cardiac Rehabilitation in Heart Failure Patient	Nurse led Heart Failure Programme	18.12.2019	AIIMS, Raipur
2.	Endovascular Repair of Large Aneurysm of Hepatic Artery	INDIA LIVE -2020	28.02.2020	AIIMS, Delhi

RESEARCH:

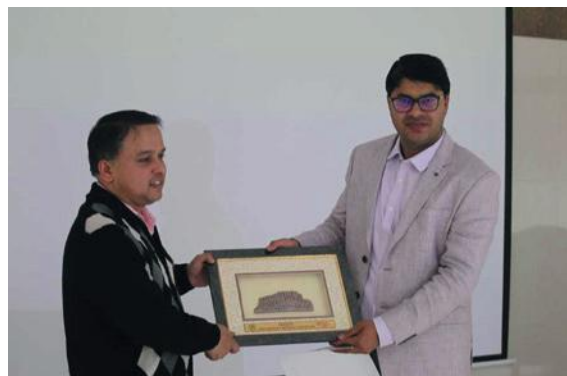
Collaborative Projects

S. No.	Project	Collaborating Department/ Institution
1.	Role of Stress-SPECT and PET-CT in Assessment of Viability in Delayed Presenters of MI with LV Dysfunction	Nuclear Medicine
2.	Study of Coronary Collaterals by Coronary Angiography in Patients with CAD and its Impact on LV Function	Anatomy
3.	Influence of Various Body Composition Parameters on Exercise Performance in Obese Adult Males with Special Reference to Echocardiographically Determined Epicardial Fat Thickness	Physiology
4.	Delayed Gadolinium Enhancement Scar Pattern in Cardiac MRI in Patients with Non-Ischemic Cardiomyopathies	Radiodiagnosis

PATIENT CARE:

April 2019- March 2020	OPD	Invasive Cardiac Procedures		Emergency Peri- cardiocentesis	Echocar- diographic Studies	Transesopha- geal Echocardi- graphic Studies
		Coronary An- giographies	Coronary Angioplas- ties and Stenting			
Total Patients	14,885	412	46	22	4980	7

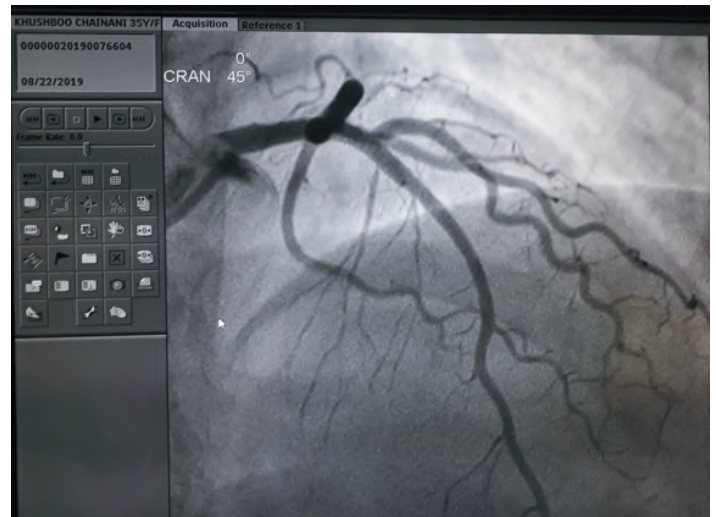
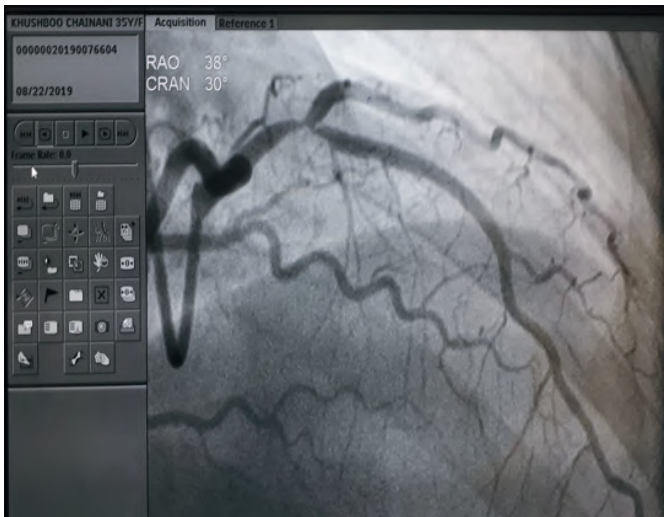
1. The department of Cardiology has 30 bedded indoor facility in 3rd floor of block B1 of AIIMS Raipur hospital building. It has 10 bedded Coronary care unit (CCU) with state of the art central monitoring system in 4th floor of C block, and 4 bedded high dependency unit (HDU). Patients of myocardial infarction, heart failure, cardiomyopathies, valvular heart disease, atrial and ventricular arrhythmias, pericardial diseases, and cardiac masses are admitted and managed.
2. The Department of Cardiology has State of the Art – Cardiac Catheterization lab in the 4th floor of C block of hospital building where Invasive Cardiac Procedures (Diagnostic and Therapeutic) are carried out.
3. The department has state of the art real-time 3D echocardiography with speckle tracking imaging and Tissue Doppler Imaging (TDI).
4. The non-invasive lab has MEDILOG Darwin Holter monitoring system and 24 hour Ambulatory blood pressure monitoring system (ABPM).



Dr. Satyajit Singh felicitated at AIIMS Jodhpur for delivering a talk on ECHOCARDIOGRAPHY OF THE RIGHT HEART



Dr. Satyajit Singh, Assistant Professor (Cardiology): Chairperson for the Heart Failure Symposium 2020 at Narayana Hrudyalaya, Raipur



PRE and POST CORONARY ANGIOPLASTY + STENTING IN A CASE OF 37 YEAR OLD FEMALE WITH CRITICAL BIFURCATION STENOSIS IN LEFT ANTERIOR DESCENDING ARTERY

DEPARTMENT OF CARDIOTHORACIC AND VASCULAR SURGERY

Associate Professor & Head

Dr. Nitin Kumar Kashyap

Assistant Professors

Dr. M. Kishan

Dr. Preetam Sahani

Dr. Klein Dantis

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 Valve replacement, Tetralogy of fallot, Acyanotic congenital heart disease, Aortic root enlargement, Coronary artery bypass grafting, Thoracic and Vascular surgeries like Decortication, Lung resections, chest wall and lung tumour resection aneurysmal repair, bypass grafting, AV fistula construction, emergency

embolectomy. The Department is also providing special emergency services particularly for Thoracic and Vascular trauma cases. Department is soon starting with minimal invasive cardiothoracic surgeries, RFA ablation procedures. The Department has dedicated 4 bedded fully equipped 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 high end CTVS ICU facility in 4th floor C block.

EDUCATION

1. HICC Sensitization workshop (Infection control practices for faculty on 16 to 19.04.2019).
2. Workshop organized in association with BD for patient and health care safety in AIIMS, Raipur.
3. Workshop on Patient Safety and Quality Care had been conducted in association with department of Pediatrics for all faculty of AIIMS, Raipur on 04 to 05.04.2019.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Nitin Kumar Kashyap

S. No.	Title	CME	Date	Organised by
1.	Role of Echocardiography in Emergency	Heart Failure Update	28.10.2018	MMI Hospital, Raipur
2.	Mitral Valve Repair Versus Replacement	Mitral Valve Repair Workshop	16.12.2019	Ramakrishna Care Hospital, Raipur
3.	Peripheral Vascular Disease -Its Management	Vascular Update 2019	13.01.2019	Government Medical College, Raipur
4.	Complication in CPB	Cardiac Scientific Session	10.08.2019	Ramakrishna Care Hospital, Raipur
5.	Febrile Nonhemolytic Transfusion Reaction Associate Mortality in a Cardiac Patient	30 th Regional Congress of ISBT,	16.11.2019	International Society of Blood Transfusion, Bangkok

RESEARCH

Ongoing

S. No.	Project	Name of Principal Investigator	Funding Agency	Duration (Years)	Start Year-End Year	Total Funds Sanctioned (Rs)
1.	To Study the Efficacy of Uniportalvideoassisted Thoracoscopic Lung Biopsy In The Management Of Interstitial Lung Disease- Submitted For Approval	Dr. Klein Dantis	Applied for intramural Fund in AIIMS, Raipur	1 year	2020-2021	5 Lakh
2.	Role Of Uniportalvideoassisted Thoracoscopic Approach (U-Vats) In The Management Of Chronic Empyema-A Prosective Study	Dr. Klein Dantis	Applied for intramural Fund in AIIMS, Raipur	1 year	2020-2021	Non-Funded

Completed

S. No.	Project (QI project)
1.	To reduce the rate of superficial thrombophlebitis from grade 3 and grade 4 in admitted of AIIMS, Raipur

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Assessment of percentage body fat by using ultrasound techniques in adult Indian Males	In collaboration with Department of Physiology as co-investigator

PUBLICATIONS

1. Febrile nonhemolytic Transfusion reaction associate mortality in a Cardiac patient published in Vox Sanguinis.ISBT2019;1149Supp 1);5-135
2. Rare presentation of intrathoracic nervesheathtumour and cervical tumour in a patient with von Recklingausen's disease published inEC pulmonology and Respiratory Medicine 8.10(2019):892-895
3. Spontaneous Pneumopericardium in a patient of lymphangioleiomyomatosis and pulmonary tunerculosis-rare case report published in Journal of Anesthesia and Pain Medicine

PATIENT CARE

We are delivering full time patient care in the department for all cardiothoracic surgical related problems with utmost care.

DEPARTMENT OF COMMUNITY & FAMILY MEDICINE (CFM)

Professor and Head

Dr. Manisha Ruikar

Additional Professors

Dr. Abhiruchi Galhotra

Dr. Gouri Kumari Padhy

Associate Professors

Dr. Anjali Pal

Dr. Anjan Kumar Giri

Assistant Professor

Dr. Arvind Kumar Shukla

HIGHLIGHTS

Residential posting of interns along with CFM Junior Residents & Senior Residents at Rural Health Training Centre (RHTC), Kurud started on 26th July 2019 for learning rural health care delivery system.

On the World Health Day 2019, a free Health Camp was organised at Goura Chowk, Laxman Nagar, Raipur in Urban Field Practice Area of AIIMS Raipur. Keeping the Theme of 2019 'Universal Health Coverage: Everyone, Everywhere', the camp was organised in the community (everywhere) and targeting the population of every age-group (everyone).

Under Anemia Mukht Bharat, on various occasions, conducted Test and Treat camps as well as Behaviour Change Communication (BCC) activities; in collaboration with UNICEF at Raipur.

Conducted poster competition and quiz among medical undergraduates, postgraduates, interns & nursing students of AIIMS Raipur and also carried out health educative activities based on the Theme 'Empower Parents Enable Breastfeeding' in Immunization Clinic & Urban Field Practice Area to observe Breastfeeding Week from 1st to 7th August 2019.

Under Mortality in India Established through Verbal Autopsy (MINErVA) Network, training on Verbal

Autopsy of Maternal Deaths was imparted to all Part Time Enumerators of Chhattisgarh at Raipur, Durg, Bilaspur, Surajpur, Ambikapur and Jagdalpur during December 2019.

Some faculty members and all senior and junior residents of CFM are Verbal Autopsy Coders under MINErVA Network.

Chhattisgarh State organized state level ToT for Anaemia Mukht Bharat (AMB) especially focused on newer component which is 5-9 years of children; during 7th to 16th December 2019 at SIHFW, Raipur. Resource persons from CFM Department imparted training to Master Trainers from Health, Education and WCD Departments to train implementer at district & block level.

Under National Program for Health Care of Elderly, resource person from CFM Department imparted training periodically to staff nurses of Chhattisgarh at SIHFW, Raipur.

Under Ayushman Bharat, resource person from CFM Department imparted training to different State (North-East, Telangana & UTs) trainers on induction module for Community Health Officers of Health & Wellness Centres; at NHRSC, New Delhi.

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 slum dwellers, group discussion,

group exercise, quiz, seminar, tutorial etc. are used for undergraduate teaching. Mentimeter App was used to conduct elimination round of quiz on 6th August 2019, during Breastfeeding Week.

For postgraduate teaching; journal club, seminar, public health update, book review, clinic-social case presentation, book reading session, statistics lecture, group discussion, group exercise, thesis review are periodically conducted.

Academic Development

All faculty members consistently update their academic knowledge by participating in various academic proceedings (like Comprehensive mental health care in life course action plan, Supportive supervision of quality care imparted to severe acute malnutrition, Elderly Care under National Programme for Health Care of the Elderly, Epidemiology of NCD, Pulmonary Medicine update, NPCDCS update, RNTCP update, Infection Control Practices, COVID-19 update etc.), by undergoing different academic online courses and by being a reviewer of journals.

Two senior residents and two junior residents were awarded Diploma in ‘Community Mental Health for Doctors’ from National Institute of Mental Health and Neuro Sciences, Department of Psychiatry, Bangalore, India.

CMEs/ Workshops/ Symposia/ National and International Conferences Organised

Event	Date	City
A free Health Camp in Urban Field Practice Area of AIIMS Raipur	07.04.2019	Raipur
A Quiz on Breastfeeding among Medical Undergraduates, Postgraduates, Interns & Nursing Students of AIIMS Raipur	09.08.2019	Raipur
Verbal Autopsy of Maternal Deaths Training of all Part Time Enumerators of Chhattisgarh under Mortality in India Established through Verbal Autopsy (MINerVA) Network	6.12.2019, 9.12.2019, 11.12.2019, 26.12.2019, 27.12.2019 and 30.12.2019	Raipur, Bilaspur, Durg, Ambikapur, Surajpur, Jagdalpur

Lectures Delivered at CMEs, National and International conferences

Dr. Manisha Ruikar

Sr. No.	Title	CME/conference	Date	Organised By
1.	Verbal Autopsy of Maternal Deaths	Training of Part Time Enumerators	6.12.2019	Department of CFM, AIIMS, Raipur
2.	Verbal Autopsy of Maternal Deaths	Training of Part Time Enumerators	11.12.2019	Department of CFM, AIIMS, Raipur

Dr. Abhiruchi Galhotra

Sr. No.	Title	CME/conference	Date	Organised By
1.	Community Perception Regarding Chronic Kidney Disease in Village Supebeda, Chhattisgarh	State Level Consultation on Chronic Kidney Disease	15.01.2020	DHS, CG
2.	An Overview of Healthcare System in India	5 th World Congress on Public Health & Nutrition	24 - 25.02.2020	Conference Series LLC Ltd., Editors-Journal of Community Medicine & Health Education, London UK

Dr. Anjali Pal

Sr. No.	Title	CME/conference	Date	Organised By
1.	Role of Public Health in Prevention of Injuries in Children	All India Annual Academic EM Congress of the Emergency Medicine Association & the Academic College of Emergency Experts	03.08.2019	AIIMS, New Delhi

Dr. Anjan Kumar Giri

Sr. No.	Title	CME/conference	Date	Organised By
1.	Verbal Autopsy of Maternal Deaths	Training of Part Time Enumerators	06.12.2019	Department of CFM, AIIMS Raipur
2.	Verbal Autopsy of Maternal Deaths	Training of Part Time Enumerators	09.12.2019	Department of CFM, AIIMS, Raipur

Oral papers /posters Presented

Sr. No.	Authors	Presentation	Conference	Date	Organised By
1.	Mohan Kumar M, Manisha Ruikar	A Study of Correlation between Social Isolation and Depression among Elderly in an Urban Slum of Raipur City	IAPSMCON 2020	29.01.2020	Madras Medical College, Chennai
2.	Mohan Kumar M, Manisha Ruikar	A Study of Geriatric Depression in Urban Slum of Raipur City	IPHACON 2020	01.03.2020	AIIMS, New Delhi
3.	Abhiruchi Galhotra	A Cross-Sectional Study of Utilization of Sanitary Facilities by Adolescent Girls in An Urban Slums of Raipur City	5 th World Congress on Public Health & Nutrition	24.02.2020	Conference Series LLC Ltd.,Editors-Journal of Community Medicine & Health Education, London UK
4.	Madhu Balan VG, Abhiruchi Galhotra, Arvind Shukla	Perception and Satisfaction of Patients Regarding Wash Infrastructure in Health Care Facilities	IAPSMCON 2020	29.01.2020	Madras Medical College, Chennai
5.	Ashwini Katole, Gouri Padhy	Implementation, Evaluation and Expectations of Mentorship Programme in A Medical College: A Qualitative Study	Colombo Conference on Medical Education	15.11.2019	College of Medical Educationist
6.	Karpaga Priya, Gouri Padhy	Are School Children Prone to Dependence on Mobile Phone?	IAPSMCON 2020	29.01.2020	Madras Medical College, Chennai
7.	Karpaga Priya, Gouri Padhy	Mobile Phone Usage and its Determinant among Secondary and Higher Secondary School Students of Raipur	64 th IPHA Conference	01.03.2020	AIIMS, New Delhi

Sr. No.	Authors	Presentation	Conference	Date	Organised By
8.	Karpaga Priya, Gouri Kumari Padhy	Knowledge, Attitude and Vaccination Status Among School Students and Teachers in Puducherry	7 th South Central Zone MP-CG IAPSM Conference	09.11.2019	R.D. Gardi Medical College, Ujjain
9.	Mohan Kumar M, Vineet Kumar Pathak	24 hour Total Energy Expenditure Calculation using Android Application: 24 ARM- Activity Recall Method	7 th South Central Zone MP-CG IAPSM Conference	09.11.2019	R.D. Gardi Medical College, Ujjain
10.	Mohan Kumar M, Vineet Kumar Pathak	Social Marketing: A Strategy for Social Change	IAPSMCON 2020	30.01.2020	Madras Medical College, Chennai
11.	Mohan Kumar M, Vineet Kumar Pathak	Injury Prevention and Care among Children: An Important Public Health Agenda	IPHACON 2020	01.03. 2020	AIIMS, New Delhi
12.	Karpaga Priya, Vineet Kumar Pathak	Violence Against Doctors in Emergency Room – Today's Plight and a Way Forward	IAPSMCON 2020	30.01.2020	Madras Medical College, Chennai
13.	Karpaga Priya, Vineet Kumar Pathak	Vaccination Coverage and Vaccine Hesitancy among Vulnerable Population of India	IPHACON 2020	01.03.2020	AIIMS, New Delhi

RESEARCH

Funded Projects

Ongoing

Sr. No.	Title	Name of PI	Funded by	Duration	Start year-End year	Fund
1.	A Multi-Centric, Prospective, Community Based Cohort Study to Estimate the Incidence of Dengue Infection in India (INDEN Study)	Professor Dr. Manisha Ruikar	ICMR	2 Years	Start year -2020	4,702,950/-
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	Government of India	Indefinite	Start year -2018	2,55,150/- (Second release of fund) Activity based long term release of funds for years to come
3.	Effect of Lemon Juice in Reducing Blood Sugar of Pre-Diabetes and Diabetes Patients: A Community Based Pragmatic Randomized Trial	Dr. Gouri Kumari Padhy	AIIMS, Raipur	2 Years	2019 to 2021	5,00,000/-

Sr. No.	Title	Name of PI	Funded by	Duration	Start year-End year	Fund
4.	Effectiveness of a Self-Sustaining Model of Behaviour Change Communication (BCC) Interventions Delivered through School going Students to their Parents on Prevention of Non-Communicable Diseases - A Study in the Urban Field Practice Area of AIIMS, Raipur	Dr. Anjan Kumar Giri	AIIMS, Raipur	1 year	2020- 2021	5,00,000/-

Completed

Sr. No.	Title	Name of PI	Funded by	Duration	Start year-End year	Fund
1.	Awareness about Folic Acid Supplementation and Folic Acid Status in Pregnant Women of Abhanpur Block of Raipur District CG	Dr. Anjali Pal	AIIMS, Raipur	1 Year	January 2019-December 2019	5,00,000/-

Departmental Projects (Including thesis/dissertations)

Ongoing

Sr. No.	Project
1.	Prevalence and Determinants of Depression Among Elderly in an Urban Slum of Raipur City- A Community Based Cross Sectional Study
2.	Situational Analysis of Water, Sanitation and Hygiene in Health Care Facilities (HCFs) of Raipur District (CG)
3.	Smartphone Usage Prevalence, Patterns and Proneness for Dependence Among Secondary and Higher Secondary School going Adolescents in Raipur City
4.	Screening for Hypertension and Diabetes among Adults Residing at Urban Field Practice Area of AIIMS, Raipur
5.	Epidemiology of Depression, Anxiety and Stress in Industrial Workers of Raipur District
6.	Prevalence and Determinants of Morbidity Among Elderly in an Urban Slum of Raipur City
7.	Assessment of Nutritional Status of 6-23 Months Old Children Residing in an Urban Area of Raipur City
8.	Situational Analysis of WASH Facilities Related to MCH Services in Raipur District
9.	Utilization of Maternal and Child Health Services among Women in Urban Slum of Chhattisgarh: A Cross Sectional Study
10.	Effect of Health Education Intervention on Reducing Sedentary Screen Time in Children under 5 Years: Cluster Randomised Control trial
11.	A Study of Male Involvement in Family Planning among Rural Married Men of Chhattisgarh, India
12.	Prevalence of Tobacco Consumption and its Economic Burden among Adult Males (≥ 18 Years) Residing at Urban Area of Raipur, Chhattisgarh
13.	Social and Cultural Determinants Involved in Family Planning Practices in Raipur- A Qualitative Study

14.	Prevalence of Depression, Anxiety, Stress and Factors Affecting it among Women of Raipur city
15.	Barriers of Implementation and Utilization of NPCDCS Program in Raipur, Chhattisgarh
16.	A Study of Awareness of Physical Activities and Sedentary Life Style Behavior among Adolescent School Going Children in Urban Raipur

Completed

Sr. No.	Project
1.	Health Problems of People Residing in Slums Near Railway Tracks in Raipur City
2.	Nutritional Status of Children Aged 0-60 Months and its Determinants among Attendees of Immunization Clinic of A Tertiary Care Hospital, Raipur.
3.	Needs and Expectations of Mentorship Programme in Medical Colleges, Qualitative Study

Collaborative projects

Ongoing

Sr. No.	Project	Collaborating Department/ Institution
1.	Correlation Study of Endothelial Function and Biomarkers in Patients of Sickle Cell Anemia at Chhattisgarh (Co-investigator from CFM Department)	Principal Investigator from Physiology Department of AIIMS Raipur
2.	Establishment of Reference Range for Peripheral Blood Lymphocyte Subsets by Immunophenotyping in Children from Chhattisgarh (Co-investigator from CFM Department)	Principal Investigator from Pathology Department of AIIMS Raipur
3.	A Clinical & Epidemiological Profile of Patients with Chronic Kidney Disease of Unknown Etiology Attending AIIMS, Raipur, CG (Co-investigator from CFM Department)	Principal Investigator from Nephrology Department of AIIMS Raipur
4.	Investigation on the Effect of Different Yoga Postures on Core Muscle and Motion Patterns in Healthy Yoga Practitioners (Co-investigator from CFM Department)	Principal Investigator from Anatomy Department of AIIMS Raipur

Completed

Sr. No.	project	Collaborating Department/ Institution
1.	ICMR Multicentre National Task Force Project on Prevalence & Etiology of Hearing Impairment (Co-investigator from CFM Department)	Principal Investigator from ENT Department of AIIMS Raipur (Completed on 31/08/2019)

PUBLICATIONS

Papers published in journals

- Vani Sethi, Arti Bhanot, Sourav Bhattacharjee, Rajkumar Gope, Debjeet Sarangi, Vikash Nath **et al.** Integrated multisectoral strategy to improve girls' women's nutrition before conception, during pregnancy and after birth in India (Swabhimaan): protocol for a prospective, non-randomised controlled evaluation. *BMJ Open* 2019; 9:e031632.
- Prakash H. Fulpagare, Abhishek araswat, Konsam Dinachandra, Nikita Surani, Rabi N. Parhi, Sourav Bhattacharjee **et al.** Antenatal Care Service Utilization among Adolescent Pregnant Women - Evidence from Swabhimaan Programme in India. *Front. Public Health* 2019; 7:369. doi: 10.3389/fpubh.2019.00369.

3. Karpaga Priya, Ashwini Katole, **Gouri Padhy, Manisha Ruikar**. Swachhta Pakhwada: The beginning of a journey. *International Journal of Multidisciplinary Research and Development* 2019; 6 (9): 223-225.
4. Mohan Kumar M, Vineet Kumar Pathak, **Manisha Ruikar**. Tribal population in India: A public health challenge and road to future. *Journal of Family Medicine and Primary Care* 2020; 9 (2): 508-512.
5. Raj U, **Galhotra A**, Roja VR. A study of utilization of sanitary facilities by adolescent girls in an urban slum of Central India. *J Family Med Prim Care* 2019; 8: 1396-400. doi: 10.4103/jfmpc.jfmpc_195_19
6. **Galhotra A**, Panigrahi SK, Pal A. Leprosy- A raging persistent enigma. *J Family Med Prim Care* 2019; 8: 1863-6. DOI: 10.4103/jfmpc.jfmpc_245_19 April 2019
7. **Galhotra A**, Sahu P. Challenges and solutions in implementing hearing screening program in India. *Indian J Community Med* 2019; 44: 299-302. DOI: 10.4103/ijcm.IJCM_73_19 Oct-Dec 2019
8. **Galhotra A**, Raj U. Challenges and concerns for Toilets Access among Adolescent Girls in an Urban Slum –A Viewpoint. *Nat J Community Med* 2019; 10(10):567-569
9. Raj U, **Galhotra A**. The maintenance and welfare of parents and senior citizens act, 2007- Helping the conditions of the elderly in India. *Indian J Community Fam Med* 2019; 5:157-61. Dec 2019
10. Sahu P, **Galhotra A**, Raj U, Roja RV. A study of self-reported health problems of the people living near railway tracks in Raipur city. *Journal of Family Medicine and Primary Care* 2020; 9(2):740 DOI: 10.4103/jfmpc.jfmpc_1029_19 Feb 2020
11. P. Karpaga Priya, Katole A, **Padhy GK**. Swachh Bharat Abhiyan – A long journey to achieve a big dream. *Indian Journal of Community and Family Medicine*. 2019;5 (2):p 100-102
12. Panigrahi SK, **Pal A**, Singh S, Thakur P. Assessment of community inquisitions insight towards carcinoma breast and cervix among adolescent girls in a city of Chhattisgarh, India: A qualitative study. *J Family Medicine Prime Care* 2020;9:619-25
13. Arvind BA, Gururaj G, Loganathan S **et al**. Prevalence and socioeconomic impact of depressive disorders in India: multisite population-based cross-sectional study. *BMJ Open* 2019;9:e027250. doi:10.1136/bmjopen-2018-027250
14. Behera S, **Giri AK**, Rath I. Visual outcome after surgery in traumatic cataract: A study in the Regional Institute of Ophthalmology, Cuttack. *East African Scholars J Med Surg* 2019; 1(4):54-57
15. K Priya P, Pathak VK, **Giri AK**. Vaccination coverage and vaccine hesitancy among vulnerable population of India. *Human Vaccine & Immunotherapeutics* 2020 Jan <https://doi.org/10.1080/21645515.2019.1708164>
16. Arvind BA, Gururaj G, Rao GN, Banandur SP **et al**. Framework and approach for measuring performance and progress of mental health systems and services in India: National Mental Health Survey 2015–2016. *Int J Ment Health Syst* 2020 March 14:20. <https://doi.org/10.1186/s13033-020-00349-8>
17. Gautham MS, Gururaj G, Varghese M, Benegal V, Rao GN **et al**. The National Mental Health Survey of India (2016): Prevalence, socio demographic correlates and treatment gap of mental morbidity. *Int J Soc Psychiatry* 2020; 66(4):361-372. doi: 10.1177/0020764020907941.
18. S Kamthan, S Sharma, R Bansal, B Pant, P Saxena, S Chansoria **et al**: Happiness among second year MBBS students and its correlates using Oxford Happiness Questionnaire *Journal of oral biology and craniofacial research* 2019; 9 (2), 190-192
19. Raj U, Naik PR, Nirgude A. Schoolchild as a health educator for parents regarding hypertension: A quasi-experimental study among school students of South India. *J Edu Health Promot* 2020; 9:74.

20. Malhotra S, Kant S, Ahamed F, Rath R, Kaladivani M, Gupta SK **et al** (2019). Correction: Health behaviors, outcomes and their relationships among young men aged 18-24 years in a rural area of north India: A cross-sectional study. *PloS one*, 14(8), e0221493. <https://doi.org/10.1371/journal.pone.0221493>
21. Pathak VK, Mohan M. A notorious vector-borne disease: Dengue fever, its evolution as public health threat. *J Family Med Prim Care* 2019; 8(10):3125-3129. Published 2019 Oct 31. doi:10.4103/jfmpc.jfmpc_716_19
22. Sanodiya Ishan, Kujur A, Sirohi S, Khatri AK. A cross sectional overview of digital eye strain: a growing health concern in this digital age in central India (Madhya Pradesh). *International Journal of Community Medicine And Public Health*, 2019; 6 (11):4828-4833.
23. Pathak VK, Mohan KM. Understanding the metrics used to assess the quality of journals. *Int J Community Med Public Health* 2019; 6:5368-71.
24. Parija PP, Mohan M. Hepatitis B vaccine birth dose in India: time to reconsider. *Human Vaccines & Immunotherapeutics* 2020; 16 (1): 158-160. (DOI: 10.1080/21645515.2019.1640557)
25. Mohan M, Pathak VK. 24 Hour Total Energy Expenditure Calculation using android application: 24 ARM-Activity Recall Method. *Journal of Physical Activity Research* 2019; 4(2):126-130. (doi: 10.12691/jpar-4-2-8)
26. Chasta BK, Kumar MM, Raj U. Basic Knowledge of ECG to Nurses and ANM: Can it help reducing cardio vascular disease mortality? *International Journal of Multidisciplinary Research and Development* 2019; 6(9): 192-94.

PATIENT CARE

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

During 01.04.2019 to 31.03.2020, total 9951 beneficiaries (under five, adolescent, pregnant woman) and 321 travelers were vaccinated. Newly admitted Medical and Nursing students (total 263 doses given) as well as health care workers (total 477 doses given) of AIIMS Raipur were vaccinated against Hepatitis B.

During 01.04.2019 to 31.03.2020, total OPD attendance at Urban Health Training Centre of AIIMS Raipur located at Community Hall, Bhavani Nagar, Raipur was 7214.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

AWARDS and HONOURS

Dr. Gouri Kumari Padhy

1. Designed patient friendly drug box with time zone logo & before and after food sticker
2. Copy right registration for
 - a. Trilingual Medicine Calendar
 - b. Drug diary cum medication reminder with user friendly prescription pad and medication reminder

Dr. Vineet Kumar Pathak

1. Rewarded 2nd position at Snippet Competition 2019 conducted by the Department of Community and Family Medicine, AIIMS Mangalgi.

Dr. Mohan Kumar M

1. Was awarded the "ICM-MMC award" for the best oral paper entitled 'A study of correlation between social isolation and depression among elderly in an urban slum of Raipur city' presented under the subtheme of Geriatrics at National Conference of IAPSM organized by Institute of Community Medicine, Madras Medical College, Chennai during 28th to 30th January 2020.

Dr. Mohan Kumar M, Dr. Priya Karpaga

1. Participated and won the 1st prize in 'Infection Control Quiz' held at AIIMS Raipur to observe Swachhata Pakhawada 2019

SIGNIFICANT EVENTS

Free Health Camp organised on World Health Day 2019:

On 7th April, the World Health Day, a free Health Camp was organised by the Department of Community and Family Medicine (CFM), All India Institute of Medical Sciences, Raipur at Goura Chowk, Laxman Nagar, Raipur. Keeping the Theme of this year 'Universal Health Coverage: Everyone, Everywhere', the camp was organised in the community (everywhere) and targeting the population of every age-group (everyone). Resident doctors of CFM department along with 2014 MBBS Batch interns posted in CFM provided their services from 9 am to 2 pm.

Verbal Autopsy of Maternal Deaths Training of all Part Time Enumerators of Chhattisgarh under MINErVA:

The faculties and residents of the CFM Department, AIIMS Raipur are involved in Mortality in India Established through Verbal Autopsy (MINErVA) Network for coding the cause of death. The department was entrusted with the responsibility of imparting training on Verbal Autopsy of Maternal Deaths to all Part Time Enumerators of Chhattisgarh working under Directorate of Census Operations (DCO), Raipur. Accordingly total six training sessions were conducted at AIIMS Raipur and Durg, Bilaspur, Surajpur, Ambikapur and Jagdalpur Collectorate during December 2019.



CFM Team with mission Director, C.G. and Chief UNICEF, Raipur on Menstrual Hygiene Day 2019



Free Health Camp in Urban Field Practice Area on World Health Day 2019



CFM, Team with Director and Dean at starting of Rural Residential posting of interns at Kurud

DEPARTMENT OF DENTISTRY

Associate Professors

Dr. Nakul Uppal (Head)

Dr. Santhosh Rao

Dr. Manish Raghani

HIGHLIGHTS

The Department of Dentistry is providing routine dental services for outpatients on nominal charges. This has been recently expanded to include dental implant services, prophylactic, preventive, restorative, endodontic, prosthetic, and minor outpatient oral surgery. Oral lesions are assessed for out patients as well as in patients. 3 dental chairs are functional at present for delivery of oral health care. The Dental department sees consultations and bedside calls for in patients, with calls ranging from routine general dental complaints to severe oral complaints. Dental fitness and clearance are done prior to orthopedic joint replacement surgery. The dental department also coordinates with Neurosurgery for craniofacial surgery; with ENT for head and neck oncology cases and provides obturator services via in-house Dental Lab in resections of the maxilla; and with Plastic surgery and Orthopedic surgery for microvascular

flaps. Complaints of neonatal teeth are also addressed to facilitate breastfeeding. Dental consultation and treatment services are also offered to pregnant patients with full precautions. The Division of Oral and Maxillofacial Surgery started a Residency programme leading to an MDS degree in Oral and Maxillofacial Surgery. This intake of 1 Resident every 6 months has expanded the course during 2019-20, to 4 Resident Surgical Trainees. With peripheral postings to various other specialties, overall care of the surgical patient is taught. Comprehensive logbook for surgical trainees was designed and developed for the Academic Junior Residents to foster a spirit of documentation, medicolegal safety and academic audit. The department, due to the nature of aerosol exposure in Dentistry, is developing safeguards against aerosol-borne infection transmission which would be of use to all departments for COVID-19 precautions.

EDUCATION

- The dental lecture classes for BBS students were expanded to 10 oral and dental topics of selected for clinical relevance to a medical graduate.
- An innovative use of digital collaborative whiteboard was made use of for effective instruction due to physically remote students.
- On-line distribution and collation of study material and testing was introduced for the PG students in maxillofacial surgery.
- In the Weekly Academic Meets held for interdisciplinary learning, the event on 07 February 2020 was conducted by Dentistry department on the topic “**Mandibular condylar fractures: tooth-sized anatomy, limb-sized disability**” and was attended by faculty of various departments.
- Clinically relevant reference texts in dentistry and maxillofacial surgery were assembled into a department reference textbook section with a modest financial grant received from the institute.
- On completion of Junior Residency in the Dentistry department, Dr. Shivanshi Agnihotri was accepted into the Ph.D. programme of AIIMS Raipur.
- Senior Resident in the Maxillofacial division of the Dentistry department, Dr. Sameer Pandey was accepted into the India’s first M.Ch. 5-year programme at AIIMS Rishikesh.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Dentistry department conducted its first in-house CME (CDE) programme titled “Dental Code Blue” on 09 November, 2019. The topic dealt with medical problems in dental practice as well as adverse events on the dental chair and was well received by a packed hall of young dentists and was appreciated for its focus on improving patient safety.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Nakul Uppal

S.No.	Title	CME/Conference	Date	Organised by
1.	Pediatric Trauma and TMJ for Pediatric Dentists	2 nd Congress of South Asian Association of Pediatric Dentistry & 3 rd Annual Congress of Nepalese Association of Pediatric Dentistry	4 to 6.04.2019	South Asian Association of Pediatric Dentistry & Nepalese Association of Pediatric Dentistry
2.	Tips for Safer and Better Extraction of Teeth in Dental Practice	Delhi Dental Show	13 to 14.07.2019	Indian Dental Association
3.	Armamentarium for a Dental Code Blue Response	National Level CDE “Dental Code Blue”	9.11.2019	AIIMS, Raipur
4.	Oral Health Care at a Tertiary Care Medical Hospital	73 rd Indian Dental Conference	23 to 26.01.2020	Indian Dental Association

Dr. Santhosh Rao

S.No.	Title	CME/Conference	Date	Organised by
1.	Treatment Of Isolated Le-Fort Type Fractures, Buttress Stabilization	AO-CMF Seminar: Principles of Maxillofacial Trauma	10 to 11.08.2019	AIIMS, Jodhpur
2.	TMJ - Total Joint Reconstruction	GNATHOS 2019	11.10.2019	RCDSR, Bhilai
3.	Role of Maxillofacial Surgeon in Management of OSA	Pulmonary Medicine Symposium 2019	02.11.2019	AIIMS, Raipur
4.	Benign Pathologies in Maxillofacial Region	44 th National Conference of AOMSI	14.11.2019 16.11.2019	AOMSI
5.	CGMAXCON Oration Lecture	CGMAXCON 2020, Chattisgarh State AOMSI Conference	01.02.2020	CG Chapter of AOMSI

Dr. Manish Raghani

S.No.	Title	CME/Conference	Date	Organised by
1.	Condylar Fractures Updates : To Open or Not	5th Chhattisgarh State Chapter Conference of AOMSI	01.2.2020	CG AOMSI, Raipur

S.No.	Title	CME/Conference	Date	Organised by
2.	Subject Expert Panelist in Medical Emergencies in Dental Clinic	National Level CDE “Dental Code Blue”	09.11.2019	AIIMS, Raipur
3.	Panel Discussion Moderator	National Level CDE “Dental Code Blue”	09.11.2019	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S.No.	Authors	Presentation	Conference	Date	Organised by
1.	Dr. Manish Raghani (Faculty)	Mandibular Condylar Fractures - Tooth Sized Anatomy, Limb Sized Disability	Faculty weekly Academic Meet	7 Feb 2020	AIIMS, Raipur
2.	Dr. Nasim Ansari (Senior Resident)	Midface Degloving Approach - Access to Facial Skeleton and our Experience	CG-MAXCON: 5th conference of Chhattisgarh State Chapter of AOMSI	1-2 Feb 2020	Chhattisgarh State Chapter of AOMSI
3.	Dr. Amit Ahirwal	Surgical Management of Mandibular Ameloblastoma and Reconstruction with Iliac Crest Bone Graft : Our Experience	CG-MAXCON: 5th conference of Chhattisgarh State Chapter of AOMSI	1-2 Feb 2020	Chhattisgarh State Chapter of AOMSI
4.	Dr. Abdul Hafeez	Management of TMJ Ankylosis Our Experience	CG-MAXCON: 5th conference of Chhattisgarh State Chapter of AOMSI	1-2 Feb 2020	Chhattisgarh State Chapter of AOMSI
5.	Dr. Samridhhi Burman (PG student)	Risk of Devitalization of Fracture Segment in Bilateral Mandibular Parasymphysis: A Case Report	MIDCOMS- 2019	28 Feb-02 Mar 2020	
6.	Dr. Nivedajith (PG student)	Diagnostic Efficacy of Bone Scintigraphy In Detection of Jaw Trauma Missed by Conventional Imaging	44th AOMSI Annual Conference	14-16 Nov 2019	44 th AOMSI national annual conference, Bangalore
7.	Dr. Samridhhi Burman (PG student)	Implant Physiodispenser: An Alternative to Conventional Micromotor for Surgical Extraction of Impacted Mandibular Third Molars	44th AOMSI Annual Conference	14-16 Nov 2019	44 th AOMSI national annual conference, Bangalore

RESEARCH

Funded Projects

Ongoing

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 Temporomandibular Joint Ankylosis Undergoing Concomitant Orthognathic Surgery With Joint Reconstruction Using Vascularized Second Metatarsal Graft: A Pilot Study	Dr. Santhosh Rao	AllIMS, Raipur (Intra Mural)	01 Year (Extended to 2 ½ Years)	Feb 2019 – Dec 2021	5,00,000/-
2.	Functional and Radiological Results of Open and Closed Treatment of Intracapsular (Diacapitular) Mandibular Condylar Head And/ Or Neck Fractures	Dr. Manish Raghani	Intramural	1 year	2018-2019	2,00,000/-

Departmental Projects

On-going

S.No.	Project
1.	Comparison of Hybrid Arch Bar Versus Conventional Arch Bar for Temporary Maxillomandibular Fixation During Treatment of Jaw Fractures: A Prospective, Comparative, Observational Study.
2.	Radionuclide Bone Scan In Evaluation of Temporomandibular Joints.
3.	Spectrum of Maxillofacial Surgical Problems Presenting to AllIMS Raipur: A Cross-Sectional, Descriptive, Observational Study.
4.	Comparative Assessment of Facial Nerve Function In Transmasseteric Anterior Parotid Approach and Transparotid Approach for Open Reduction and Internal Fixation of Mandibular Condylar Fractures – A Randomized Controlled Clinical Trial.

Collaborative Projects

On-going

S.No.	Project	Collaborating Department/Institution
1.	Study of sexual dimorphism in Mandibular canines using mandibular canine index in patients attending Dental OPD at AllIMS Raipur	Department of Forensic Medicine and Toxicology, AllIMS, Raipur.
2.	Radionuclide bone scan in evaluation of temporomandibular joints.	Department of Nuclear Medicine, AllIMS, Raipur
3.	Comparative assessment of facial nerve function in transmasseteric anterior parotid approach and transparotid approach for open reduction and internal fixation of mandibular condylar fractures – a randomized controlled clinical trial.	Departments of Pediatrics, ENT, Orthopedics, Neurosurgery and Medical Records Department

PUBLICATIONS

1. **Raghani MJ**, Pandey S, Raghani N, Improvisation of Nasogastric Tube as Distractor Port Sleeve - A Novel Technique, *J Maxillofac Oral Surg* 2019(2);321-323.
2. **Uppal N**, Shikha D. Why do airline cockpits differ from operating theatres? *Br J Oral Maxillofac Surg* 2019;57(10):1170-1.
3. **Uppal N**, Venkatapathy AV, Shikha D. Mobile teeth: An underestimated risk factor for lung infections in critical care settings. *Natl Med J India* 2019;32(1):62.

PATIENT CARE

- The Dental department participated in a health camp at Kondagaon on 10 November, 2019 with other specialties to address and treat the oral health needs of the local population.
- The WHO Surgical Safety Checklist was adapted by the department for maxillofacial surgery. A pre-operative checklist was developed for better patient safety and to assist newly joined maxillofacial academic Junior Residents in ward work.
- A detailed feedback questionnaire was developed for capturing treatment outcomes and patient satisfaction at the end of ambulatory oral surgery and dentistry.
- Special sealants to arrest and reverse dental caries were introduced for use on pediatric dental patients.
- Dental care was expanded to include Orthodontics, Prosthodontics and Endodontics by the recruitment of specialist Senior Residents. Senior Residents in Oral and Maxillofacial Surgery were recruited as the numbers of surgical cases have increased in recent years.
- During the COVID-19 pandemic, the faculty, senior residents, postgraduate students and junior residents of the Dental department were posted to the COVID block for screening and ward care duties in order to directly aid in patient care during the pandemic.
- In January 2020, work on an inpatient dental clinic was begun, to offer same-day dental treatment to patients admitted in the wards.
- Academic junior resident Dr. Samridhi Burman attended a useful surgical training workshop “Total TMJ Reconstruction Workshop” at CDER, AIIMS, New Delhi on 16-18 Feb, 2020.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- **Dr. Nakul Uppal** was Organizing Secretary of the 1st CDE programme of Department of Dentistry at AIIMS Raipur, “Dental Code Blue”.
- **Dr. Manish J. Raghani** was Organising Secretary of 5th Chhattisgarh State Conference of AOMSI, “CG MAXCON 2020” at Raipur; the Scientific Co-ordinator of National Level CDE “Dental Code Blue” at AIIMS, Raipur; and Organising Secretary of 4th CME of Chhattisgarh State Chapter of AOMSI “Arthroscopic Surgery of TMJ” at Raipur.

VISITING SCIENTIST

Dr. Uday Mukherjee of Kolkata was invited to visit the department in November, 2019. A maxillofacial surgeon with extensive higher training, surgical expertise and experience, he shared his knowledge on grand rounds organized for the benefit of the postgraduate surgical trainees and took an informative lecture on emergencies encountered in oral surgery.

DEPARTMENT OF DERMATOLOGY

Associate Professor & Head

Dr. Satyaki Ganguly

Assistant Professors

Dr. Namrata Chhabra Sharma

Dr. Neel Prabha

HIGHLIGHTS

The department has achieved numerous milestones during 2019-20. Dr. Namrata Chhabra Sharma received the Indian Association of Dermatologists, Venereologists and Leprologists (IADVL) scholarship award to participate in DERMACON 2020 from 30.01.2020 to 02.02.2020 at Pune. Dr. Neel Prabha was awarded 'First Place in Group Academic Excellence (Journal Club and Project Presentation)' by division of clinical research & training, St. John's

Medical College & Research Institute Bengaluru, India in one week international course in health research methodology & evidence based medicine held from 14 to 18.10.2019 at Bengaluru, India. Dr. Hitesh Yadav, post graduate student, was awarded the 2nd prize in the award paper section during CUTICON CG 2019 at Raipur. An undergraduate student was awarded ICMR-STC project under the department of dermatology this year.

EDUCATION

- Undergraduate lectures- Introduction of online classes in light of COVID-19 pandemic
- Teaching module for interns in light of COVID-19 pandemic
- Dermatopathology joint meet with the department of pathology monthly

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Satyaki Ganguly

S. No.	Title	CME/Conference	Date	Organised by
1.	Comorbidities and Biologicals	IMPACT 3.0	06.07.2019	IADVL- North-East branch, Guwahati
2.	Comorbidities and Biologicals	IMPACT 3.0	14.07.2019	IADVL- Odisha branch, Bhubaneswar
3.	Biologicals in psoriasis: the current Indian scenario	MID- CUTICON CG 2019	18.08.2019	IADVL- Chhattisgarh branch, Raipur
4.	Phosphodiesterase inhibitors in non-psoriatic indications	MIDDERMACON 2019	23.08.2019	IADVL- Bihar branch, Patna
5.	Comorbidities in psoriasis	SIG psoriasis meet	29.09.2019	IADVL- Tamilnadu branch, Chennai
6.	Phosphodiesterase inhibitors beyond psoriasis	DERMAZONE EAST 2019	10.11.2019	IADVL- Odisha branch, Rourkela
7.	Comorbidities in psoriasis	CUTICON-CG 2019	14.12.2019	IADVL- Chhattisgarh branch, Raipur
8.	SIG psoriasis: the journey so far	DERMACON 2020	01.02.2020	IADVL- Maharashtra branch, Pune
9.	Integrating biologics into clinical practice: are we moving too fast?	CME- 'Controversies in Dermatology'	23.02.2020	IADVL- Odisha branch, Sambalpur

Dr. Namrata Chhabra Sharma

S. No.	Title	CME/Conference	Date	Organised by
1.	Medical management of vitiligo; What's new ?	MID- CUTICON CG 2019	18.08.2019	IADVL- Chhattisgarh branch, Raipur

Dr. Neel Prabha

S. No.	Title	CME/Conference	Date	Organised by
1.	Management of type 2 lepra reaction: Beyond conventional therapy	MID- CUTICON CG 2019	18.08.2019	IADVL- Chhattisgarh branch, Raipur

LIST OF ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Chhabra-Sharma N	Knowledge, attitude and practice regarding topical steroids in Dermatology outpatients: Experience from Central India	DERMACON 2020	30.01.2020	IADVL- Maharashtra branch, Pune
2.	Yadav H	Burn the fungus? – irritant contact dermatitis due to over the counter preparations in dermatophytosis	CODFICON 2019	31.08.2019	Contact and Occupational Dermatoses Forum of India, New Delhi
3.	Yadav H	Over the counter irritant preparations in dermatophytosis patients	CUTICON-CG 2019	14.12.2019	IADVL- Chhattisgarh branch, Raipur
4.	Ahmed G	An interesting case of a midface Swelling	CUTICON-CG 2019	15.12.2019	IADVL- Chhattisgarh branch, Raipur
5.	Raut S	Tracheostomy and Eroded Neck	CUTICON-CG 2019	15.12.2019	IADVL- Chhattisgarh branch, Raipur
6.	Khare S	Dermoscopy of lepromatous nodules: a new perspective	DERMACON 2020	30.01.2020	IADVL- Maharashtra branch, Pune

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1.	A cross sectional study on dermoscopic evaluation of periorbital hyperpigmentation	Dr. Namrata Chhabra Sharma	Intramural	2 year	2019-2021	Rs 5,00,000

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	A study of facial contact dermatitis using patch test with Indian standard and cosmetic series

Completed

S. No.	Project
1.	Dapsone induced haemolytic anaemia in leprosy patients; a pilot study in an endemic area
2.	A multicentric study of knowledge, attitude and practice regarding topical steroids in dermatology outpatients
3.	Clinico-epidemiological profile of chronic dermatophytosis in a tertiary care institute in Chhattisgarh
4.	Association between intestinal parasitic co-infection and leprosy: a cross-sectional study

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	“A cross sectional study for detection of Mycobacterium leprae using PCR in slit skin smear of clinically diagnosed leprosy patient and their close contacts”.	Microbiology
2.	Spectrum of dermatophytic infections & drug susceptibility pattern of isolates from patients of AIIMS, Raipur	Microbiology

PUBLICATIONS

- Khare S, Chhabra N, Ganguly S, Prabha N.** Sporotrichoid presentation of lupus vulgaris mimicking mycetoma. *Int J Mycobacteriol.* 2019; 8:292-4.
- Sachdev D, Ganguly S, Chhabra N.** The Mysterious Nodule on the Thigh. *Indian Dermatol Online J.* 2019; 10:743-4.
- Chhabra N.** Circumscribed Nonscarring Alopecia Affecting Bilateral Frontotemporal Regions. *Skinmed.* 2020;18(1):35-36.
- Prabha N, Daman-Arora R, Khare S, Sharma A.** Lupus Vulgaris of the Pinna-A Case Report. *Iran J Otorhinolaryngol.* 2019;31:247-249.
- Prabha N, Chhabra N, Shrivastava AK, Arora RD, Roja VR, Kaushik S, Nagarkar NM.** Ocular abnormalities in vitiligo patients: a cross-sectional study. *Indian Dermatol Online J.* 2019;10:731-734.
- Prabha N, Arora R, Chhabra N, Nagarkar NM.** Audiological abnormalities in vitiligo patients: a hospital-based cross-sectional study. *Int Arch Otorhinolaryngol.* 2020;24: :e149-e153
- Prabha N, Arora RD, Singh N, Nagarkar NM.** Glycopyrrolate-induced black hairy tongue. *Indian Dermatol Online J* 2020;11:256-7.
- Singh A, Prabha N, Yadav H.** A rare case report of dabigatran induced oral ulcers. *Curr Drug Saf.* 2020;15(2):160-162.

PATIENT CARE

a) Facilities available in the Department

1. Diagnostic skin biopsy for histopathology
2. Dermatosurgeries including vitiligo surgery
3. Excision of epidermoid cyst, lipoma, melanocytic nevi
4. Chemical peeling
5. Radiofrequency ablation
6. Microneedling
7. Nail avulsion

8. Chemical cautery
9. Patch testing
10. Inpatient facility with dermatology high dependency unit (HDU)

Special clinics

Contact dermatitis clinic on every **Monday and Wednesday**

Department Statistics: (from April 1st 2019 to March 31st 2020)

Total OPD Patients	Inpatients	Procedures
41,934	270	1703

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Namrata Chhabra Sharma received the IADVL scholarship award to participate in DERMACON 2020 from 30.01.2020 to 02.02.2020 at Pune.
2. Dr. Neel Prabha was awarded “First place in group academic excellence (Journal club and project presentation)” by division of clinical research & training, St. John’s Medical College & research Institute Bengaluru, India in one week international course in health research methodology & evidence based medicine held from 14.10.2019 to 18.10.2019 at Bengaluru, India.
3. Dr. Satyaki Ganguly was the scientific secretary of CUTICON-CG 2019 at Raipur, participated in 3 scientific programmes as member of special interest group (SIG)-psoriasis under IADVL academy and was the judge of award paper session during MIDDERMACON 2019 at Patna, and was a member of the Editorial Committee to finalize the 8th Annual Report of AIIMS Raipur (2019-20).
4. Dr. Hitesh Yadav, post graduate student was awarded the 2nd prize in the award paper section during CUTICON CG 2019 at Raipur.

DEPARTMENT OF ENDOCRINOLOGY & METABOLISM

Assistant Professor & Head

Dr. Amritava Ghosh

HIGHLIGHTS

The department extended its services to start 6 special clinics: (i) adrenal clinic (ii) neuroendocrinology and pituitary clinic (iii) youth onset diabetes clinic (iv) bone and mineral metabolism clinic (v) growth and development clinic (vi) diabetes associated complications clinic. Proposals were prepared for 2 randomized clinical trials (including one multicentric trial) and submitted for review. A book titled “MCQs in Endocrinology for DM Entrance Examination” was published with Dr. Amritava Ghosh as the first author.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amritava Ghosh

S. No.	Title	CME/Conference	Date	Organised by
1.	Interpretation of Perimetry in Pituitary Lesions	8 th Joint Annual Conference of Research Society for the Study of Diabetes in India, West Bengal State Chapter and Endocrine Society of Bengal	10.08.2019	Research Society for the Study of Diabetes in India, West Bengal State Chapter, Kolkata
2.	Post-operative Complications of Pituitary Surgery: Endocrinologist Point of View	Endoscopic Skull Base Conference with Live Operative and Cadaveric Workshop	06.09.2019	Dept. of ENT and HNS, AIIMS Raipur
3.	The role of infrared dermal thermometry in the management of neuropathic diabetic foot ulcers	PGIMER, India and Manchester Metropolitan University, UK International Collaborative Diabetic Foot Conference	08.02.2020	PGIMER Chandigarh

RESEARCH

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Cyto-histomorphological correlation in a cohort of thyroid samples with study of IHC expression of BRAF in them	Pathology

PUBLICATIONS

- Ghosh A. A Central India Perspective on Leprosy and its Association with Diabetes Mellitus. J Soc Health Diab. 2019 June; 7(1):37-38.

Books:

S. No.	Author(s) of Chapter	Book	Edition	City of Publication	Publisher	Year of Publication	Total Page
1.	Ghosh A, Bhat S, Bajaj S, Ghosh S	MCQs in Endocrinology for DM Entrance Examination	1 st	New Delhi	Jaypee Brothers Medical Publishers (P) Ltd	2019	1-314

DEPARTMENT OF ENT-HEAD & NECK SURGERY

Professor & Head

Prof. (Dr.) Nitin M. Nagarkar

Associate Professors

Dr. Rupa Mehta

Dr. Ripu Daman Arora

Assistant Professor

Dr. Satish Satpute

HIGHLIGHTS

The Department of Otorhinolaryngology, Head & Neck Surgery is a fully functional department catering to all varieties of cases of Ear, Nose, Throat disease, Head and Neck malignancies. Endoscopic nasal & skull base surgery, Thyroid & parathyroid surgery, surgery for oral, laryngeal and hypopharyngeal cancers, nasal and paranasal sinus cancers, Pituitary surgery, Surgery for vascular tumors-angiofibroma, hemangiomas, lymphangiomas, airway surgery- surgery for subglottic stenosis, Cochlear Implant surgery, Functional endoscopic sinus surgery for nasal polyposis, Tympanomastoidectomy, stapedotomy and surgery for salivary gland neoplasms is being performed routinely with advanced instrumentation in state of the art Modular Operation Theatres.

Multidisciplinary management of cases is done in collaboration with Departments of Plastic surgery, Neurosurgery and Oral Maxillofacial surgery. All advanced Head and Neck cancers are discussed in the tumor board comprising of various concerned departments.

Atypical cases are discussed in monthly ENT-Pathology rounds and ENT - Radiology rounds. Vertigo clinic, Otology clinic are a regular feature.

The Department has a fully equipped Audiology and Speech Language Pathology unit. BASLP course has started with 4 students in the first batch (w.e.f.) September 2019.

EDUCATION

The department is actively involved in teaching and training of M.B.B.S, M.S., B.Sc. Nursing, BASLP students.

The Department has five Post graduate students who are receiving structured training of the subject.

The department has got approval and is all set to start M.Ch (Head & Neck Surgery) from July 2020 session.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Various activities were organized on the occasion of World Hearing Day from 2nd to 6th March 2020:

- 1) Role play organized by MBBS Students for Awareness of Hearing Impairment in OPD
- 2) Primary school student Health checkup camp organized in Government Primary School, Kota, Raipur
- 3) CME organized at Lecture hall, AIIMS Raipur



LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Nitin M Nagarkar

S. No.	Title	CME/Conference	Date	Organised by
1.	Issues in Management of Salivary Gland Cancers	“VI Eurasian Head & Neck Cancer Forum”, Moscow, Russian Federation.	11-14.07.2019	Eurasian Head & Neck Cancer Forum
2.	Endoscopic CSF Rhinorrhea repair and also Chaired the Panel Discussions	Endoscopic Skull Base Conference with Live Operative and Cadaveric Workshop, AIIMS Raipur	06-07.09.2019	Department of ENT-Head & Neck Surgery and Department of Neurosurgery AIIMS, Raipur

S. No.	Title	CME/Conference	Date	Organised by
3.	2 nd Temporal Bone Dissection and Cochlear Implant Live Surgery Workshop as Chief of Surgical Session	2 nd Temporal Bone Dissection and Cochlear Implant Live Surgery Workshop	28-29.09.2019	Indira Gandhi Institute of Medical Sciences (IGIMS) Patna, Bihar.
4.	8 th National Rajbhasha Sammelan	“8 th National Rajbhasha Sammelan”	29-31.10.2019	Ministry of Health and Family Welfare, Government of India and All India Institute of Speech and Hearing, Mysore
5.	Role of ENT Surgeon in the Management of OSA and also Chaired the Panel Discussions.	Pulmonary Medicine Update 2019 at AIIMS Raipur	02.11.2019	AIIMS, Raipur
6.	Contemporary Management of Thyroid Lesions: A Surgical Approach	19 th Annual Conference of the Association of Surgeons of India- Chhattisgarh Chapter, CGASICON-2020	06.03.2020	AIIMS, Raipur
7.	Kidney Health for Everyone Everywhere- from Prevention to Detection and Equitable Access to Care	CME for the World Kidney Day Organized by Department of Nephrology in Collaboration with School of Public Health, AIIMS Raipur	12.03.2020	AIIMS Raipur
8.	Panelist in the Session On “Key Aspects of Preparedness and Preventive Measures for COVID19.”	Coronavirus India Live Virtual Summit	26.03.2020	Integrated Health & Wellbeing Council held, New Delhi

Dr. Rupa Mehta

S. No.	Title	CME/Conference	Date	Organised by
1.	Anatomy and Physiology of Ear	State level training for ENT surgeons and Audiologists	January and February 2020	Chhattisgarh State Institute of Health and Family Welfare
2.	Evolution of Endoscopic Skull Base Surgery	Endoscopic skull Base Conference with Live Operative and Cadaveric Workshop	06-07.09.2019	AIIMS, Raipur
3.	Rhinosporidiosis –An Unresolved Enigma	RHINOCON	30.08.2019 to 01.09.2019	Rhinology Society of India
4.	Common Causes of Hearing Loss and Prevention	World Hearing Day 2020 at AIIMS, Raipur	06.03.2020	AIIMS, Raipur

Dr. Ripu Daman Arora

S. No.	Title	CME/Conference	Date	Organised by
1.	Surgical Management of Medullary and Anaplastic Carcinoma Thyroid	18 th Annual Conference of AOI (HP Chapter) cum CME on Thyroid Cancer	01.06.2019	Department of Otolaryngology-Head & Neck Surgery, Indira Gandhi Medical College, Shimla Himachal Pradesh

S. No.	Title	CME/Conference	Date	Organised by
2.	Endoscopic and Radiological Anatomy of Anterior Skull Base :Otolaryngologist's Prespective"	Endoscopic Skull Base Conference with Live Operative and Cadaveric Workshop	06-07.09.2019	AIIMS, Raipur
3.	Audiological Side Effects of Cisplatin Based Chemotherapy and Radiotherapy Vs Radiotherapy in Head & Neck Carcinomas in Tertiary Care Cancer Regional Cancer Center Presentation of One Project on Cohort Study	One Week International Course in Health and Research Methodology and Evidence Based Medicine	14-19.10.2019	St. John's Medical College and Research Institute, Bengaluru, India
4.	Parathyroid Tumors	8 th ENT update and live surgical workshop	06-07.12.2019	Maulana Azad Medical College and Lok Nayak hospital, New Delhi
5.	Do's and Don'ts in Ear Surgery	NPPCD-State Level Training Programme for ENT Surgeons and Audiologists	January and February 2020	State Institute of Health and Family Welfare, Chhattisgarh
6.	New Born Hearing Screening	CME on World Hearing Day	3-6.03.2020	AIIMS, Raipur

Dr. Satish S. Satpute

S. No.	Title	CME/Conference	Date	Organised by
1.	Use of Forehead Flap in Head Neck Reconstruction	72 nd Annual Conference of Association of Otolaryngologists of India (AOICON)	9 th Jan – 12 th Jan 2020	Association of Otolaryngologists of India
2.	a) Tinnitus- Categories and Management b) Mysteries of Earache and its	NPPCD- State Level Training Programme for ENT Surgeons and Audiologist	January to February 2020	Chhattisgarh State Institute of Health and Family Welfare, Raipur
3.	Prevention of Hearing Loss	CME on "World Hearing Day"	06 th March 2020	AIIMS, Raipur

Presentation by Residents:-

S. No.	Name	Title	CME/Conference	Date	Organised by
1.	Dr. Payal Kamble	Poster Presentation Tale of 3 Hour Tracheostomy	72 nd Annual Conference of Association of Otolaryngologist of India AOICON 2020	12 th Jan.2020	Association of Otolaryngologists of India
2.	Dr. Payal Kamble	Paper Presentation Graves Disease 15surgery Definitive Treatment	72 nd Annual Conference of Association of Otolaryngologist of India	12 th Jan.2020	Association of Otolaryngologists of India

Presentation by Miss Monalisa Jati, Audiologist & Speech Therapist

S. No.	Title	Conference	Date	Organised by
1.	Alternative Mode of Communication in Patient with Intellectual Disability	3 Days State Level Seminar on "Approach to Intellectual Disability: Holistic Perspective"	21.11.2019	AIIMS, Raipur
2.	Diagnostic Tools Useful in Speech and Language Assessment of Persons with Autism Spectrum Disorder	CRE on "Communication Assessment and Management strategies for Autism Spectrum Disorder"	16.01.2020	Pt. JNM Medical College, Raipur
3.	Assessing Hearing and Counselling	NPPCD- State level training Programme for ENT surgeons and other Staffs under NPPCD	04 - 17.02.2020	State institute of health and family welfare, Chhattisgarh
4.	Rehabilitation of Hearing Impaired	CME on World Hearing Day	06.03.2020	AIIMS, Raipur

Presentation by Shashank Nema, Audiologist & Speech Therapist

S. No.	Title	Conference	Date	Organised by
1.	Hearing Impairment & Deafness Prevalence, Cause and Prevention	State Level Training of ENT surgeons and Audiologists	17.01.2020, 04.02.2020, 10.02.2020, 17.02.2020, 28.03.2020 (4 Batches)	State Institute of Health and Family Welfare, Chhattisgarh
2.	Concept of Immittance –A Mathematical Overview	Middle Ear Assessment Batteries – Online Webinar	28.03.2020	Aurbindo Institute of Speech & Hearing Indore

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding agency	Duration (years)	Start year-End year
1.	Technology Enablement from Management to Solution for Hearing Impaired	Prof. (Dr.) Nitin M. Nagarkar	Funded by Department of Science and Technology under Ministry of Science and Technology Govt	4 year 02 months	01.06. 2016 to 07.08.2020
2.	Hospital Based Cancer Registries-Data Management (HBCRDM)	Prof. (Dr.) Nitin M. Nagarkar	Non-funded Indian Council for Medical Research (ICMR), National Centre for Disease Informatics and Research (NCDIR), Bengaluru	-	01.01.2019 (on going)
3.	Evaluation of Amyloid Precursor Protein m-RNA expression in Tissue and Saliva of HNSCC Patients	Dr. Rupa Mehta	Intramural	2 years	2020-2022

S. No.	Project	Principal Investigator	Funding agency	Duration (years)	Start year-End year
4.	Intramural Grant Project : "Evaluation of Prevalence of HPV in Head and Neck Malignancies"- Ongoing as Principal Investigator	Dr. Ripu Daman Arora	Intramural	2 years	2018-2019
5.	Retrospective Analysis of Tympanometric Findings for Outpatients at AIIMS, Raipur: A Hospital Based Study	Dr. Ripu Daman Arora	Non Funded Project	1 year	2019-2020
6.	Evaluation of Prevalence of Hearing Impairment among Primary School Children in Rural Areas of Chhattisgarh, India	Dr. Satish S Satpute	Intramural	1 year	2020- 2021

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year
1.	Prevalence and Etiology of Hearing Impairment	Prof. (Dr.) Nitin M. Nagarkar	Funded by ICMR, New Delhi	5 years	16.11.2015 to 31.07.2019
2.	Investigation of the Invitro Biofilm Producing Ability and Antimicrobial Susceptibility Testing of Isolated Microbes in Various Ear Nose Throat Infections	Dr. Rupa Mehta	Non-Funded	1 year	2019-2020
3.	Newborn Hearing Screening: A Hospital Based Project at AIIMS Raipur"-	Dr. Ripu Daman Arora	Non-Funded	2 years	2018-19

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Comparison and Correlation of Result of Preoperative Fine Needle Aspiration Cytology (Fnac) Intraoperative Histopathology in the Lesions of Thyroid
2.	Incidence, Pattern and Degree of Hearing Loss Following Acute Brain Infection (Meningitis and Meningoencephalitis) in Children (Neonates - 15 Years)
3.	Role of FDG-PET CT Scan in Pretreatment Evaluation of Oral Carcinomas

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Evaluation of Amyloid Precursor Protein m-RNA Expression in Blood of HNSCC Patients	Biochemistry
2.	'Prevalence, Diagnosis And Treatment Of Non-Tuberculous Mycobacteria In India: A Multicentric Project'	Microbiology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Efficacy of Brief Tobacco Cessation Intervention on Pattern and Attitudes Towards Tobacco Chewing in Newly Diagnosed Head and Neck Cancer Patients and Their Relatives: A Pilot Randomized Controlled Trial from Chhattisgarh Extramural Grant by State Planning Commission, Chhattisgarh	Department of Psychiatry AIIMS, Raipur

PUBLICATIONS:

Paper publications

Prof. (Dr.) Nitin M Nagarkar

Chapter in Book (Complicated Cases in **Vertigo and Dizziness**, Ed. Santosh Kacker): **Nitin M. Nagarkar, Ripu Daman Arora**, Neel Prabha, Anu N. Nagarkar and Mrinalini Raman. Cerebral Metastasis from Papillary Thyroid Carcinoma presenting as Vertigo: A Rare Entity. 2019 Nov-Dec, (page 21-26)

Neel Prabha, **Ripu Daman Arora**, Namrata Chhabra, Monalisa Jati, **Nitin M. Nagarkar**. Audiological Abnormalities in Vitiligo Patients: A Hospital-Based Cross-Sectional Study. **International Archives of Otorhinolaryngology**, (November-2019) Volume 24 No. 2/20220 (page-e149-e153)

Archana B Wankhade, Priyadarshini Patro, **Ripu Daman Arora, Nitin M. Nagarkar**. Nasofacial rhinoentomophthoramycesis: A report of two cases from Central India. **Journal of Oral and Maxillofacial Pathology (JOMFP)** Published by Wolters Kluwer-Medknow, (February- 2020) Volume 24, Supplement 1 (page-S124-S127)

Neel Prabha, **Ripu Daman Arora**, Nikhil Singh, **Nitin M. Nagarkar**. Glycopyrrolate-induced black hairy tongue. **Indian Dermatology Online Journal (IDOJ)**

Published by Wolters Kluwer- Medknow, (March-April-2020) Volume 11, Issue 2 (page-256-257)

Dr. Rupa Mehta

Mehta R, Kamble P, Nagarkar NM. Varied presentation of venous ectasia head & neck- case series & review of literature. *Indian J Otolaryngol Head Neck Surg.* 2019 Oct; 71(Supple 1):647-651. doi: 10.1007/s12070-018-1457-6. Epub 2018 Jul 26. PMID: 31742036

Mehta R, Das JR, Nagarkar NM, "3 Cases Of Branchial Fistula In One Family- A Rare Presentation". *International Journal of Otorhinolaryngology and Head and Neck Surgery* . Volume 5, Issue 5 of IJOHNS, September 2019.

Dr. Ripu Daman Arora

Prabha N, **Daman-Arora R***, Khare S, Sharma A. Lupus vulgaris of the pinna-a case report. *Iran J Otorhinolaryngol.* 2019;31:247-249.

Singh LK, **Arora RD**, Tikka SK, Shukla A, Singh S, Mahant S et al. Brief Intervention for Tobacco when Diagnosed with Oral Cancer (BITDOC): Study protocol of a randomized clinical trial studying efficacy of brief tobacco cessation intervention, Chhattisgarh, India. *Tobacco Prevention & Cessation.* 2020;6(January):4. doi:10.18332/tpc/115028.

Chapters in Books

S. No.	Author(s) of Chapter	Chapter Title	Name of the Editor	Name of the Book	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Mehta R, Nagarkar NM	ENT Emergencies in children	Santosh T Soans	IAP's Text-book of Paediatric emergencies 2020	New Delhi	Jaypee Brothers	2020	509-514
2.	Arora R, Nagarkar NM, Prabha N, Mrinalini R Nagarkar AN	Cerebral metastasis from papillary thyroid carcinoma presenting as vertigo: A rare In: Complicated Cases in Vertigo and Dizziness	Kacker SK	(ISBN: 978-93-83988-06-8. 2020:21-25)	New Delhi	KWX Communications Pvt. Ltd.	2020	21-25

PATIENT CARE

Evidence based management of all types of ailments of otorhinolaryngology, orbital, head & neck diseases are done. Community outreach activities in the form of various school hearing screening camps, village hearing screening, oral cancer screening camps are organized in collaboration with Department of preventive and social medicine.

Month	OPD	IPD	Major OT	Minor OT
Total	37520	1012	821	469

DEPARTMENT OF FORENSIC MEDICINE & TOXICOLOGY

Professor & Head

Dr. Krishnadutt Chavali

Associate Professor

Dr. Shreemanta Kumar Dash
(Upto 31.07.2019)

Assistant Professors

Dr. Pankaj Ghormade

Dr. Swapnil Akhade

HIGHLIGHTS

The department conducted a one day national CME on Venomous Bites and Stings in August 2019. World renowned expert on snake bite and scorpion sting management, Dr. H.S. Bawaskar and renowned herpetologist, Dr. Varad B. Giri along with Dr. R.K. Singh, Dean, Government Medical College, Rajnandgaon were the speakers for the event. The event was attended by delegates from all over the country and especially the medical

officers working in the peripheral health centres of the state.

The new curriculum drafted by the department for the subject was approved by the academic committee of the institute. Two more police station areas have now been added to the medico-legal case jurisdiction of the department making it a total of three police station areas.

EDUCATION

The revised new curriculum for the subject of Forensic Medicine and Toxicology was approved by the Academic Committee of the Institute. The first batch of students was admitted under the new curriculum in the year and classes in Forensic Medicine and Toxicology would start from their fifth term onwards.

Faculty members of the department, Dr. Pankaj Ghormade and Dr. Swapnil Akhade attended the first annual AIIMS Forensic Conclave 2020 organized by AIIMS Rishikesh for streamlining the education in the subject at both undergraduate and postgraduate levels. Both the faculty members presented their views on various aspects of teaching of the subject.

CMEs/ WORKSHOP/ SYMPOSIA/ NATIONAL & INTERNATIONAL CONFERENCES ORGANIZED

S. No.	CME/Conference	Date	Organised by
1.	National CME on Venomous Bites and Stings	27.08.2019	AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Krishnadutt Chavali

S. No.	Title	CME/Conference	Date	Organised by
1.	Medico-Legal Issues Associated with Snake Bite	National CME on Venomous Bites and Stings	27.08.2019	AIIMS, Raipur
2.	Legal aspects of Patients with Intellectual Disability	State Level Seminar on Approach to Intellectual Disability: Holistic Perspective	19.11.2019	AIIMS, Raipur
3.	Examination of Survivor of Sexual Violence	Legal Issues in Gynaecological Practice	12.01.2020	FOGSI – Raipur Chapter
4.	Role of Medical Jurisprudence in Medical Practice	State Level Training for Medical Officers of CG state	12.03.2020	SIHFW, Raipur
5.	POCSO	State Level Training for Medical Officers of CG State	12.03.2020	SIHFW, Raipur

Dr. Krishnadutt Chavali was invited as External Faculty for imparting training to Medical Officers, Scientific Officers and Legal Officers of Chhattisgarh state and in this capacity he delivered multiple talks on various topics pertaining to Medico-legal aspects in Criminal Investigation, during the year at the Chhattisgarh Administrative Academy, Nimora, Raipur.

Dr. P.S. Ghormade

S. No.	Title	CME/Conference	Date	Organised by
1.	Autopsy Examination in a case of Snake bite envenomation	National CME on Venomous Bites and Stings	27.08.2019	AIIMS, Raipur
2.	Designing a contemporary curriculum on Firearm wounds from UG and PG students.	First Annual AIIMS Conclave organized by AIIMS Rishikesh.	29.02.2020 – 02.03.2020	AIIMS, Rishikesh

Dr. Swapnil P. Akhade

S. No.	Title	CME/Conference	Date	Organised by
1.	Establishment of F.S.L in Forensic Medicine Dept of Govt Medical Colleges (Faculty-Oral)	PRAVARA FORENSICON-2019 XXII Annual State Conference of Medicolegal Association of Maharashtra (MLAM).	13.10.2019	Pravara Institute of Medical Sciences, Loni, Maharashtra
2.	Epidemiology of Snake Bites in Chhattisgarh.	Venomous Bites & Stings, organized by Dept. of Forensic Medicine, AIIMS Raipur.	27.08.2019	AIIMS, Raipur
3.	Designing Competency based Curriculum on Mechanical Asphyxia for UG & PG Students. (Speaker)	First Annual AIIMS Conclave Organized by AIIMS, Rishikesh.	29.02.2020 – 02.03.2020	AIIMS, Rishikesh

ORAL PAPERS PRESENTED

Dr. P.S. Ghormade

S. No.	Presentation	Conference	Date	Organised by
1.	Missed Diagnosis in Krait Envenomation: Two Case Reports	FMT-MPCON -IVANNUAL National conference of MLEA of MP	9 -10.11.2019	Dept. of FMT, Gajra Raja Medical College, Gwalior(MP)
2.	Autopsy Diagnosis of Sudden Deaths Due to Acute Pancreatitis: Three Case Reports	41 st Forensic Medicon- 2020 Annual National Conference of the IAFM	30.01.2020 - 01.02.2020.	Dept. of FMT The Apollo Medical College, Hyderabad (TS)

CMEs/ WORKSHOP/ SYMPOSIA/ NATIONAL & INTERNATIONAL CONFERENCES ATTENDED (without paper presentation):

Faculty Member	CME/Conference	Date	Organised by
Dr. Krishnadutt Chavali	International Summit on Humanitarian Forensics	05 - 07.09.2019	Guj. For. Sci. University Gandhinagar, Gujarat
Dr. Pankaj Ghormade	MELESECON-2019, 37 th Annual Conference of Medico-legal Society of Odisha.	02 - 03.06.2019	AIIMS, Bhubaneswar
	Workshop on Research Methodology and Basic Biostatistics	29 - 31.08.2019	AIIMS, Raipur
	Laws Applicable to Hospitals: Issues, Challenges & Possible Solutions Organized by Dept. of Hospital Administration, AIIMS, Raipur	08.02.2020	AIIMS, Raipur
Dr. Swapnil P. Akhade	National Symposium "Poisoning as a Public Health Problem" Organized by AIIMS, New Delhi	26.04.2019	AIIMS, New Delhi
	Laws Applicable to Hospitals: Issues, Challenges & Possible solutions organized by Dept. of Hospital Administration, AIIMS, Raipur	08.02.2020	AIIMS, Raipur

RESEARCH

Non-Funded Projects

Ongoing

S. No.	Project
1.	Reducing the Errors in the Medical Certification of Cause of Death Certificate issued by the Residents at T&E Unit of AIIMS Raipur (POCQI)

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Study of the Prevalence of Atherosclerotic Lesions in Heart and Major Blood Vessels in Autopsy Cases at AIIMS, Raipur.

Completed

S. No.	Project
1.	Study of Sexual Dimorphism in Mandibular Canines using Mandibular Canine Index in Patients Attending Dental OPD at AIIMS, Raipur
2.	Do Commercially Available "Protein Supplements" Have an Ill Effect On Cardio Vascular Health of Young Adult Males? – A Pilot Study
3.	Suicidality and Impulsivity among Alcohol Dependent Patients

PUBLICATIONS

- Goswami D, Agarwal SS, Vaishnav SB, Kumar L, **Chavali KH**. Audit of informed consent document for major surgical procedures at a tertiary care hospital. J Med Soc 2019; 33:91-6.
- Sarma B, Ghormade P, Dash SK, Chavali K**. Fatal Mushroom Poisoning: A case series. JIST 2019;15(1):48-53
- Sarma B, Ghormade PS, Akhade S**. Survival after accidental strangulation (Isadora Duncan Syndrome): a case report. Journal of Forensic Medicine science & Law. 2019; 28(1): 26-30.
- Chavali KH**. Practice before you teach - ethics in medical education. Int J Eth Trauma Victimology 2018;4(2):39
- Guria J, Abhay Kumar B Dheeraj, Chavali KH**. Medicolegal profile of brought dead cases at tertiary level in central Chhattisgarh - A research study. Int J Current Adv Res. 2019;8(11A): 20403-5
- Agarwal SS, **Chavali KH**, Kumar L. Checklist in medicolegal autopsy. J Ind Acad For Med 2019;41(2):150-152
- Ghormade PS, Soni J, Sarma B, Dash SK**. Autopsy findings in death due to Eisenmenger syndrome: A medico-legal case of road traffic accident. Forensic Science International: Reports. 2020 ;(2):1-3
- Soni JP, Ghormade PS, Akhade S, Chavali KH, Sarma B**. A fatal case of multi-organ failure in acute yellow phosphorus poisoning. Autopsy Case Rep. 2020; 10(1): 1- 6
- Abhaykumar B Dheeraj, Chavali KH, Ghormade PS, Sarma B, Yadav L**. USG is poor tool in identification of pancreatic injury-A case report. Euro J Pharm Med Res. 2020;7(1):325-32

PATIENT CARE

The department provides medico-legal autopsy services and embalming of autopsied dead bodies. Additionally, the department is also providing full time, clinical forensic services in the hospital. All reports issued by the department are in computer typed format for better legibility. The department handled 206 medicolegal postmortem examinations in addition to 1488 clinical forensic cases in the calendar year 2019. Embalming of autopsied bodies was done in 15 bodies in the calendar year.

In the past year, two more police station areas have now been added to the medico-legal case jurisdiction of the department, making it a total of three police station areas. Thus the department now caters to the police station areas of Amanaka, Kabir Nagar and Saraswati Nagar of Raipur city.



Dr. K.H. Chavali introducing the Chief Guest, Prof. (Dr.)Nitin M. Nagarkar to the audience at the CME on Venomous Bites and Strings

DEPARTMENT OF GENERAL MEDICINE

Professor & Head

Prof.(Dr.) Vinay R. Pandit (Joined on 16.08.2019)

Associate Professors

Dr.Md. Sabah Siddiqui

Dr. Preetam N. Wasnik

Assistant Professors

Dr. KeshaoNagpure

Dr. Pankaj K. Kannauje (Joined on 29.06.2019)

Dr. Jhasaketan Meher (Joined on 26.07.2019)

Dr. Pranita (Joined on.28.08.2019)

Dr. Rohini Rokkam (Joined on 19.12.2019)

Dr. Ajit Kumar (Joined on 19.02.2020)

HIGHLIGHTS :

The department of General Medicine is fully functional and providing 24X 7 services at Trauma & Emergency department. Majority of admission through emergency services are handled by the department. Department offers routine OPD services in forenoon and speciality clinics in afternoon. Medicine OPD was inaugurated on April 2019. Department provides inpatient care at

male and female general ward. Permission has been obtained to start “speciality clinics” in Diabetes, Hypertension, Rheumatology, Infectious disease and Haematology. Newly developed male and female ward (IPD) of 60 bed strength was inaugurated on January 2020. The department is also providing IPD services at neurology ward.

Education and Training:

The department is associated with teaching of undergraduate (MBBS), interns, postgraduate (MD General Medicine) training. Approval has been obtained to increase the postgraduate Residents to 12 from current academic year.

The department has trained more than 200 Assistant Medical Officers (AMO) from Chhattisgarh on management of non-communicable disease for Health and wellness centres under Govt. of India project Ayushman Bharat. Module has been developed for training of doctors for Health and wellness centre. Faculties are resource person for Training of Trainers (ToT) for Medical Officers and AMO under Ayushman Bharat. The department has done training of health care workers organised by National Programme for Health Care of the Elderly (NPHCE). BLS Course for Nursing Staff was done. The other training conducted include skills training for MBBS & nursing students, hand hygiene workshop for residents. The department also participated in medical camp organised at Kondagaon.

Lectures delivered at CMEs, National and International conferences/ Training done

Prof.(Dr.) Vinay R. Pandit

S.No.	Title	CME/ Conference	Date	Organized by
1.	LOC in dental chair	Dental Code Blue, National CME	09.11.2019	AIIMS Raipur
2.	Panel Discussion on Dental Emergency	Dental Code Blue, National CME	09.11.2019	AIIMS Raipur
3.	Screening and Prevention of CKD in Adult population	World Kidney Day CME	12.03.2020	AIIMS Raipur

Dr. Md. Sabah Siddiqui

S.N.	Title	CME/ Conference	Date	Organized By
1.	RUSH Protocol	Pediatric Emergency Sonography workshop WACEM-2019	21.10.2019	Roda Al Bustan, Dubai
2.	Advance procedural Ultrasound Workshop	EM India 2019	31.08.2019 to 04.10.2019	AIIMS New Delhi
3.	Daiabetic Ketoacidosis	EM India 2019	31.08.2019 to 04. 10.2019	AIIMS New Delhi
4.	Taskforcememberfordevelopment of National emergency and trauma care guidelines	WHO collaborative centre for emergency and Trauma Care	31.08.2019 to 04.10.2019	AIIMS New Delhi
5.	Occupational Exposureand it's Management	Hands on workshop on Infection Control Practices	12.03.2019 and 14.03.2019	AIIMS Raipur
6.	Treatment protocol of VBD(Dengue, Malaria, JE) Master Trainer	Two days training of VBD Consultant & VBD Technical Supervisor	10.11.10. 2019	SIHFW Raipur
7.	Acute Undifferentiated fever evaluation and Management Master Trainer	Dengue and other vector borne disease training of	20.07.20	State Health Resource Centre, Sarguja (Ambikapur) Chhattisgarh
8.	Judge for Best thesis of Post Graduate Student	CG APICON 2020	08-09.02.2020	CG APICON Bilaspur
9.	Chaired session on "Hitting Glucose Pushing Insulin"	CG APICON 2020	08-09.02.2020	CG APICON Bilaspur
10.	POCQI Step 4: Sustaining Improvement	Point of care Quality Improvement Workshop	28-29.05.2019	NHM-DHS-UNICEF Raipur
11.	Faculty	PoCQI Workshop Using LaQshya Model	14.11.2019	NHM-DHS-UNICEF Raipur
12.	Member	AntiMicrobial ConsortiumChattissgarh state	15.01.2020	Chhattisgarh
13.	Member	Taskforce for development of State Treatment Guidelines For Hypertension Diabetes		SIHFW, Raipur
14.	In Hospital management of hyperglycaemia	AIIMS-Patna National Diabetes CME	17.11.2019	AIIMS Patna
15.	Master Trainer	2 days training of Medical officers and Nurses on ETAT Emergency triage and treatment	18-19.12.2019	SIHFW, Raipur
16.	Master Trainer	2 days training of Medical officers and Nurses on ETAT Emergency triage and treatment	08-09.01.2020	SIHFW, Raipur

S.N.	Title	CME/ Conference	Date	Organized By
17.	Resource Person	4 days training of Assistant Medical officer under Health and Wellness Centre	06-09.01.2020	SIHFW, Raipur
18.	Resource Person	4 days training of Assistant Medical officer under Health and Wellness Centre	10-13.02.2020	SIHFW, Raipur
19.	Member of State Antibiotic usage Policy	State Antibiotic usage Policy for Chhattisgarh State	15.01.2020	SIHFW, Raipur

Dr. Preetam N. Wasnik

S.N.	Title	CME/Conference	Date	Organised by
1.	Pre-existing co morbidities in dental chair	Dental code blue CME	09.11.2019	AIIMS, Raipur
2.	Chairperson in one session of "pulmonary embolism"	CARDICON (Cardiology conference)	29-30.06.2019	Raipur.
3.	Faculty member in panel discussion	World Kidney Day celebration	12.03.2019	AIIMS, Raipur

Dr. Keshao Nagpure

S.N.	Title	CME/ Conference	Date	Organized By
1.	Training obtained	3rd JIPMER Research Leadership Mentoring Program -3),	November 2019-February 2020	JIPMER, Pondicherry
2.	Training obtained	NPTEL online certificate course "Health research Fundamentals" NIE-ICMR e Certificate course: Nle-cer101 (Elite certification)	July-Sept.2019	NPTEL
3.	Training obtained	six-hour online certificate course on: GOOD CLINICAL PRACTICE	19.02.2020	NIDA Clinical Coordinating Centre
4.	Training obtained	Online training program in ICH-GCP and Indian Regulatory Guidelines (ICMR, Schedule Y)	11.10.2019	KV Clinical Research Services, Raipur

Dr. Pankaj Kumar Kannauje

S.N.	Title	CME/ Conference	Date	Organized by
1.	Best of American society of Haematology	Best of ASH	January 2020	Mumbai hematology group

RESEARCH

Departmental projects (Including thesis/ Dissertations)

S.N.	Project
1.	Cardiac autonomic neuropathy in newly diagnosed type 2 diabetes mellitus patients
2.	Clinical and epidemiological study of poisoning cases at emergency department of tertiary care centre

RESEARCH

Funded Projects- Ongoing

S.N.	Projects	Principal Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1.	Training of Assistant Medical officer under Health and Wellness Centre	Dr. Md Sabah Siddiqui	State Health Resource Centre Chhattisgarh	ongoing	2019-ongoing	16,66,000

Collaborative Projects - Ongoing

S.N.	Projects	Collaborating Department/ Institution
1.	Medical officers and Nurses training on ETAT(Emergency triage and treatment	State Health Resource Centre Chhattisgarh
2.	Prevalence of scrub typhus & leprospirosis in cases of acute undifferentiated fever in (C.G.). A preliminary study at AIIMS, Raipur	Department of Microbiology AIIMS, Raipur
3.	Detection of virulence factor in colonized strains of Candida species isolated from diabetic patients	Department of Microbiology AIIMS, Raipur
4.	Correlation study of endothelial function & biomarkers in patients of sickle cell anaemia in Chhattisgarh	National Institute of Technology (NIT) Raipur
5.	Usefulness of STOPP /START Criteria and Beers Criteria for prescribing in geriatric patients in a tertiary health care Centre, Raipur, Central India	Department of pharmacology AIIMS, Raipur
6.	Development of Risk Stratification System for clinical management of Sickle Cell Disease using Predictive Machine Learning Approaches.	National Institute of Technology (NIT) Raipur.

Publications:

- Ravipragasam S, Chandar D, **Pandit VR**, Cheriyan A. Survival to discharge after in-hospital cardiac arrest at emergency department and its associated factors: a prospective observational study. J Acute Dis 2019; 8(5): 185-190.
- Lincy Juliet K, Adole PS, **Pandit VR**, Vinod KV. Serum Paraoxonase 1 Activity in Patients with Organophosphate Poisoning: A Potential Indicator of Prognosis. Asia Pac J Med Toxicol 2019;8(2):50-55.
- Vasanthi M, Adole PS, **Pandit VR**, Vinod KV. Assessment of serum tenascin-c and growth differentiation factor-15 among type 2 diabetes mellitus patients with and without acute coronary syndrome J Med Biochem 39: 1-7, 2020
- Scrub typhus and leptospirosis in rural and urban settings of central India: a preliminary evaluation: Kumar Vikram, Pragya Agarwala, Anudita Bhargava, Yogesh Jain, Tushar Jagzape and **Preetam Wasnik**: Tropical Doctor 2020, Vol. 50(2) 111-115

Awards, Honours and Significant Events:

- Dr. Preetam Wasnik received excellence in General Medicine award organized by Dainik patrika group and 95 FM

PATIENT CARE : IPD & OPD patient data from 1st April 2019 to 31st March 2020

OPD	IPD
60056	4235



Inauguration of Medicine OPD by- Prof. (Dr.) Nitin M. Nagarkar, Director on 15.04.2019



Inauguration of Male & Female Medicine (IPD) by - Prof. (Dr.) Nitin M. Nagarkar, Director on 01.01.2020

DEPARTMENT OF GENERAL SURGERY

Additional Professor & Head

Dr. Debajyoti Mohanty

Associate Professors

Dr. Radhakrishna Ramchandani

Dr. Tridip Dutta Baruah

Dr. Dharmendra Duggar

Assistant Professors

Dr. Rubik Ray

Dr. Chetan Anand

HIGHLIGHTS

The Department offers varied open and laparoscopic surgical facilities to the patients in need of surgical care in both elective and emergency settings. The Department is running postgraduate course MS General Surgery with annual intake of the three postgraduate students.

The Department has been organizing “Breast Health Awareness Camp” as a part of Breast Cancer

Awareness Campaign” by experts and patients since 27th Nov. 2018. Running Special Clinic under Department “Breast Cancer Clinic” every Wednesday 2pm to 4 pm from 27th November 2015 onwards. Till March 2020, total 120 cases of Breast cancer Surgeries done under Breast Cancer Clinic and 25 Phylloides tumour and lot of Benign Breast Disorders

EDUCATION

The Department undertake clinical teaching of undergraduate students of four semesters (3 hours/day/ semester) while students of three semesters were taught in didactic lectures (9 hours/ week). 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 with the surgical skills. On-line classes are also being held for undergraduate students to facilitate continuous learning process.

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

1. National level CME “SURGICON AIIMS RAIPUR-2019” was organized by the Department on the theme of Acute Pancreatitis on 23rd and 24th November, 2019.
2. The 19th Annual Conference of the Association of Surgeons of India Chhattisgarh state “CGASICON-2020” was organized by the Department on 6th and 7th March, 2020.

Lectures delivered at CMEs, National and International conferences

Dr. Debajyoti Mohanty

S. No.	Title	CME/conference	Date	Organised by
1.	Recent Controversies in the Management of Acute Pancreatitis	CME on acute Pancreatitis “SURGICON 2019”	23.11.19	AIIMS, Raipur

S. No.	Authors	Title	Conference	Date	Organised by
1.	Ramchandani R, K Ravindra, Sharma MS, Manju R	Perforated Gist of Ileum- A Rare Case Scenario*	CGASICON 2020	06 -07.03.2020	AIIMS, Raipur
2.	Chaudhary MK, Muhammed S	A Case of Perinephric Abscess Squealed Into Acute Intestinal Obstruction	CGASICON 2020	06 -07.03.2020	AIIMS, Raipur
3.	Baruah TD, Chaudhary MK, Samal S	Retroperitoneal Appendicular Perforation Causing Collection In Retroperitoneum Along With Anterior Abdominal Wall	CGASICON 2020	06 -07.03.2020	AIIMS, Raipur
4.	Mohanty D, Ray R, Waliya A	Comparison of Incidence Of Surgical Site Infection Of Umbilical Extraction Port With And Without 10% Povidone Iodine Irrigation In Patients Undergoing Laparoscopic Cholecystectomy**	CGASICON 2020	06 -07.03.2020	AIIMS, Raipur

Dr. Radhakrishna Ramchandani

S. No.	Authors	Title	Conference	Date	Organised by
1.	Dr. Radhakrishna Ramchandani	A Rare case of Incarcerated Inguinal Hernia diagnosed to be a part of Syndrome MRKH type II	Association of Surgeons of India – Rajasthan Chapter (ASIRAJ 2019)	18.10.2019	AIIMS, Jodhpur

List of oral papers/posters presented:

*- Awarded state level Best poster in the competitive section in 'CGASICON 2020'

** - Awarded state level Best paper in the competitive section in 'CGASICON 2020'

Departmental projects (including thesis/dissertations)

On-going:

S. No.	Title
1.	Incidence of Surgical Site Infection of Umbilical Extraction Port With and Without 10% Povidone Iodine Irrigation In Patients Undergoing Laparoscopic Cholecystectomy
2.	Comparison Of Postoperative Outcomes With Skin Flap Raising Either by Harmonic Scalpel or Electrocautery During Mastectomy
3.	Evaluation of Prognostic Factors In Necrotizing Soft Tissue Infections
4.	Measurement of Intra Abdominal Pressure In Patients Undergoing Exploratory Laparotomy and Its Correlation With Postoperative Morbidity and Mortality

Collaborative projects

Ongoing: 01

S. No.	Title	Collaborating department/ institution
1.	Triple negative breast cancer; immunohistochemistry based genomic profiling and correlation with histomorphology and outcomes	Department of Pathology and Radiation oncology

PUBLICATIONS:

1. Borkar NB, Padhi P, Mishra JK, Sahu SA, **Mohanty D**, Singh S. Necrotizing Fasciitis in Neonate and Use of Allograft. Journal of Neonatal Surgery 2019;8:8,DOI: 10.21699/jns.v8i1.850
2. Borkar NB, **Mohanty D**, Singh S. Laparoscopic Pyloroplasty for Jodhpur Disease. Journal of Clinical & Diagnostic Research. Jan2019, Vol. 13 Issue 1, p1-2. 2p.
3. Srivastava N, Singh S, **Mohanty D**. Suprapubic and lower limbs fusion contracture after thermal burn in a child: a rare presentation of common complication. International Journal of Medical Science and Current Research. Volume 2, Issue 5, Page No: 117-120 September-October 2019

PATIENT CARE

In patient care/supportive activities include information regarding: (a) facilities available in the department (including special clinics and/or special laboratory facilities) (b) community services/camps etc.

April 2019- March 2020	OPD	IPD	Procedure Room	Minor OT	Major OT
Total Number of Patients	29,814	1,785	8,731	261	1,112

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Debajyoti Mohanty was invited to the annual conference of Sambalpur city branch of ASI, Odisha Chapter to deliver the “N. Pattnaik” oration on 22.09.2019 at Sambalpur, Odisha. The topic for the oration was “Postcholecystectomy bile duct injury: Recent Trends in Management”.

Dr. Radhakrishna Ramchandani was honored with Fellow of Association of Indian Surgeons (FAIS) on 18th December 2019 at ASICON 2019 at Bhubaneswar, Odisha. He also started Basic Trauma Emergency & Life Saving (BTELS) Skill Course –The course has been registered under copy Right Act of India. (Copyrighted with registration number L-74243)

DEPARTMENT OF MICROBIOLOGY

Additional Professor & Head

Dr. Padma Das

Additional Professors

Dr. Anudita Bhargava

Dr. Ujjwala Gaikwad

Associate Professor

Dr. Sanjay Singh Negi

Assistant Professor

Dr. Archana B.Wankhade

HIGHLIGHTS

- Sixth batch of MBBS students passed 2nd professional examination in December 2019.
- Eight PG students have joined MD Microbiology course and continuing in 2018 and 2019.
- Sixth batch of BSc. Nursing students passed microbiology in 2019.
- Allotment of space in central laboratory area and ongoing efforts for designing and establishing test facilities.
- Implementation of round the clock laboratory service including holidays with gradual increase in available test lists.
- Ongoing developmental work in establishing of state of art Tuberculosis laboratory with BSL-3 facility.
- Ongoing developmental work in establishing of State-level Virus Diagnostic and Research Laboratory in the department.
- Escalation of various infection control activities in wards, ICUs & OTS of AIIMS Raipur.
- Regular training activities regarding infection control practices & Biomedical Waste Management imparted to Health care personals.
- Ongoing continuous effort for purchase of laboratory instruments, planning & designing of different laboratories, maintenance of day to day educational activities.
- Obtaining sanction of various extra-mural and intramural research grants to all the faculty of the department and working for their completion.
- Establishment and maintenance of many fully functional diagnostic sections of the department including Bacteriology, Serology, Tuberculosis, Mycology, Virology and Infection control.

EDUCATION

- Dr. Sanjay S. Negi and Dr. Archana B. Wankhade as a master trainer in National Viral Hepatitis Control Program, trained CG state sponsored Technician in Quality Control and Laboratory Testing of Viral Hepatitis from 10.02.2020 to 14.02.2020 at Raipur, Chhattisgarh.
- New courses i.e. B.Sc MLT, B.Sc OT and diploma of Anesthesia Technician are started & Involved in the training of the students.
- Ongoing training and sensitization programme on infection control measures and biomedical waste management for newly joining hospital staff.

- Organized OSPE on ‘Infection Control’ for II Year BSc Nursing students as a part of their Mid-term assessment.
- Organized a quiz competition for post graduates on “Hospital Infection Control” on 11th April 2020 as a part of educational activity under HICC.
- Actively engaged in imparting teaching to MBBS and B.Sc. Nursing students for both theory and practical’s of Bacteriology/ Virology/ Mycology/ Parasitology/ Immunology).
- Organized intradepartmental weekly seminars.
- Academic presentation in weekly academic meetings for all faculty members.

CMEs/Workshops/Symposia/National and International Conferences

1. Successfully organized a 4 day national workshop on “National workshop on molecular diagnosis of human Viral Infectious Diseases” from 10th-13th April, 2019 in the department of Microbiology, AIIMS, and Raipur. This workshop was attended by participant from India and other Asian countries.
2. Organized hands-on workshop on Infection control for Assistant Nursing Superintendents of AIIMS, Raipur 12th December 2019.

Lectures delivered at CMEs, National and International conferences

Dr. Padma Das

S.No	Title	CME/Conference	Date	Organised By
1.	Panel discussion on “Multi Drug Resistant Organisms (MDRO) in ICUs”	CGMICROCON 2019	28 th to 29 th September 2019	Department of Microbiology Pt. JNM Medical College, Raipur
2.	Moderator for a panel discussion on “ Management of sepsis in cancer patients”	State level CME 2020	11 th January 2020	BALCO Medical Centre
3.	Clinical relevance of antibiotic resistance & treatment approach	State level CME on Antimicrobial resistance: A global emergency	23 rd November 2019	CIMS,
4.	Environmental decontamination and disinfection for COVID 19	Update – COVID -19 Organized by Telemedicine Facility, AIIMS Raipur	18 th March 2020	AIIMS, Raipur

Dr. Anudita Bhargava

S. No	Title	CME/Conference	Date	Organised By
1.	Role of Microbiology Laboratory in Public Health	First Meeting of Microbiology Consortium of Chhattisgarh	June 2019	UNICEF, Raipur
2.	Microbiological Surveillance in SNCUs of CG.	First Meeting of Microbiology Consortium of Chhattisgarh	June 2019	UNICEF, Raipur
3.	Microbiology of ocular infections	Annual conference of State chapter of Indian Association of Ophthalmology	August 2019	Indian Association of Ophthalmology, CG, Raipur
4.	Basics of Lab Investigation	CME on LEID (Lab Evidences in Pediatric infection Disease) organized by Indian Academy of Pediatrics	November 2019	Indian Academy of Pediatrics , Shri Shankaracharya Institute of Medical Sciences, Durg

S. No	Title	CME/Conference	Date	Organised By
5.	Laboratory diagnosis of Dengue fever	CME on LEID (Lab Evidences in Pediatric infection Disease) organized by Indian Academy of Pediatrics	November 2019	Indian Academy of Pediatrics , Shri Shankaracharya Institute of Medical Sciences, Durg
6	A panelist in the Panel discussion on AMR	Annual CME of CMM	January 2020	BALCO Medical Centre, Raipur
7	Laboratory Diagnosis of COVID-19	Training for doctors and technical staff on COVID-19 by IDSP, Department of Health and Family Welfare, Chhattisgarh	9 th March 2020	Department of Health and Family Welfare, Raipur Chhattisgarh
8	Basic Infection control practices in COVID-19	Training for doctors and technical staff on COVID-19 by IDSP, Department of Health and Family Welfare, Chhattisgarh	9 th March 2020	Department of Health and Family Welfare, Raipur Chhattisgarh
9	Workshop for Nursing Officers of Chhattisgarh	Workshop for Nursing Officers of Chhattisgarh	16 th March 2020	Pt. J. N. M. Medical College, Raipur

Dr. Ujjwala Gaikwad

S.No	Title	CME/Conference	Date	Organised By
1.	Occupational exposure and its management	National workshop on Molecular diagnosis of human viral infections	12.04.2019	AIIMS, Raipur
2.	Environmental decontamination for COVID-19	Training for doctors and technical staff on COVID-19 by IDSP, Department of Health and Family Welfare, Chhattisgarh	09.03.2020	Department of Health and Family Welfare, Raipur Chhattisgarh
3.	Live Doordarshan telecast on COVID-19	Doordarshan centre, Raipur	6 th March 2020	Doordarshan, Raipur
4.	Infection Control Precautions for COVID-19	Update - COVID -19 Organized by Telemedicine Facility, AIIMS Raipur	18 th March 2020	AIIMS, Raipur

Dr. Sanjay Singh Negi

S. No.	Title	CME/Conference	Date	Organised By
1.	Isolation of Viral DNA & RNA (Manual Vs Column Based extraction principle)	National workshop on molecular diagnosis of human Viral Infectious Diseases	10.04.2019	Microbiology department, AIIMS, Raipur
2.	Estimation of Viral DNA/ RNA concentration & purity checking (Theoretical)	National workshop on molecular diagnosis of human Viral Infectious Diseases	10.04.2019	Microbiology department, AIIMS, Raipur
3.	Polymerase Chain Reaction + Electrophoresis Principle & Chemistries	National workshop on molecular diagnosis of human Viral Infectious Diseases	11.04.2019	Microbiology department, AIIMS, Raipur
4.	Real Time PCR (Chemistry+ Analysis of the results)	National workshop on molecular diagnosis of human Viral Infectious Diseases	11.04.2019	Microbiology department, AIIMS, Raipur
5.	Importance of Genotyping / Serotyping identification(HPV/ HCV/Dengue)	National workshop on molecular diagnosis of human Viral Infectious Diseases	12.04.2019	Microbiology department, AIIMS, Raipur

S. No.	Title	CME/Conference	Date	Organised By
6.	HBV and HCV testing by ELISA/ ICT(Principle & Procedure)	National Viral Hepatitis Control Program	10.02.2020	Directorate of Health Services, Raipur

Dr. Archana B.Wankhade

S.No	Title	CME/Conference	Date	Organised By
1.	Introduction to laboratory QMS	Training workshop for laboratory technicians and doctors on viral Hepatitis : laboratory diagnosis	10 -14.02.2020	State Institute Of Health And Welfare,Chhattisgarh, Raipur
2.	PEP-HIV/HBV/HCV Guidelines	Training workshop for laboratory technicians and doctors on viral Hepatitis :laboratory diagnosis	10 -14.02.2020	State Institute Of Health And Welfare,Chhattisgarh, Raipur
3.	National Guidelines on Diagnostic Algorithm of Hepatitis B,Hepatitis C& Dengue	4 Day National workshop on Molecular Diagnosis of Human Viral Diseases	12.04.2019	AIIMS, Raipur
4.	Emerging & Re-Emerging Zoonotic Infectious Diseases	National workshop on "Recent trends in diagnosis of infectious diseases	05.10.2019	College of Veterinary Sciences and Animal Husbandry, CGKV, Durg

Oral papers/posters presented

S.No	Authors	Presentation	Conference	Date	Organised By
1.	P. Das , M. Bhise	Polymicrobial Cerebellar Abscess Due To <i>Streptococcus constellatus</i> And <i>Sphingobacterium multivorum</i> : A Case Report	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli, Mumbai
2	U Gaikwad , V Kumar, P Das, A Wankhade, A Bhargava, S Negi	Analysis of time to positivity by MGIT system to predict culture-negatives for Mycobacterium tuberculosis complex: A consideration for issuing preliminary reports guiding patient management	50 th Union World conference on Lung Health	30.10.2019 to 02.11.2019	Hyderabad international convention centre
3	Negi SS et al	Earlier truncation of E6 oncoprotein in Human Papilloma Virus (HPV) Type 16 variants and finding of European and Asian lineage of HPV isolated from cervical cancer cases from Raipur, Chhattisgarh.	Virocon, 2020	19.02.2020	Indian National Science Academy
4	Wankhade AB , Patro P, Mathias A, Sharma P, Das P, Gaikwad U, Arora R, Chhabra N.	Subcutaneous Mycosis: Diversity of Pathogens	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli , Mumbai

5	Dr. P. Patro , Dr. P. Das	Prompt Diagnosis Leads To Successful Management Of Neonatal Meningitis Case Caused By Elizabethkingia meningoseptica : A Microbiological Enigma	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli , Mumbai
6	Dr. Anuniti , Dr. Ujjwala, Dr. Priyadarshini, Dr. Swati, Dr. Vikram, Dr. Pratibha	Missed CLABSI Cases: Is The Blood Culture Sending Practice Appropriate?	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli , Mumbai
7	N. Srivastava , P Das, A B Wankhade, A Bhargava, U Gaikwad, S S Negi	Analysis of Enterococcal Isolates from Clinical Specimens With Special Reference to Antibigram and Virulence Markers	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli , Mumbai
8	S Khatoon , A Bhargava, SS Negi, P Das, A. Wankhade, U Gaikwad, Priyanka Singh	Diagnostic Utility of PCR In Detection of Clinical Cases And Contacts of Leprosy: First Cross Sectional Study From Chhattisgarh	MICROCON 2019	29.11.2019 to 01.12.2019	Nehru Centre, Worli , Mumbai
9	A. Mathias , P. Das	Polymicrobial secondary blood stream infection: A case report	ISSHID -2019	12 to 14.10. 2019	SRIHAR
10	N. Srivastava , P. Das, A.B. Wankhade, A. Bhargava, U. Gaikwad, S.S. Negi S. Tiwari	Distribution of <i>Candida</i> spp. in hospital acquired blood stream infection and study of their Virulence factors	ISSHID -2019	12 to 14.10. 2019	SRIHAR
11	P. Sharma , P. Das, A. Wankhade, L. Nehete , U. Gaikwad, SS Negi, A. Bhargava	<i>Streptococcus constellatus</i> causing brain abscess: A case report	CG- MICROCON - 2019	28 to 29.09. 2019	Department of Microbiology Pt. JNM Medical College
12	Dr. Anuniti , Dr. Ujjwala, Dr. Priyadarshini, Dr. Swati, Dr. Vikram, Dr. Pratibha,	Missed CLABSI Cases: Is The Blood Culture Sending Practice Appropriate?	CG- MICROCON- 2019	28 to 29.09. 2019	Department of Microbiology Pt. JNM Medical College
13	S. Salila , U. Gaikwad, P. Patro, A. Mathias, K. Vikram, P. Sharma, A. Wankhade, P. Das	Diagnostic value of post decontamination smear microscopy for improved diagnosis of tuberculosis	CG- MICROCON- 2019	28 to 29.09. 2019	Department of Microbiology Pt. JNM Medical College
14	N. Srivastava , P. Das, A.B. Wankhade, A. Bhargava, U. Gaikwad, S.S. Negi	Distribution of <i>Candida</i> species in hospital acquired blood stream infection: Biofilm formation and Virulence factors	CG- MICROCON- 2019	28 to 29.09. 2019	Department of Microbiology Pt. JNM Medical College

RESEARCH

Funded projects- Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration	Start year- End year	Total Funds
1.	Capacity Building and Strengthening of Hospital Infection Control to detect and prevention of antimicrobial resistance in India	Dr. Padma Das	CDC-Atlanta	4 years	September 2017- September 2021	Approximately 50 Lakhs
2.	ICMR ad hoc project on AMSP	Dr. Padma Das	ICMR	1 year	2020-21	10 Lakhs
3.	Microbiological surveillance of SNCUs of Chhattisgarh	Dr. Anudita Bhargava	UNICEF	2.5 years	2017-20	Approx. 58 Lakhs received
4.	Monitoring of Dengue and Chikungunya viruses circulating in India for changes in the serotypes, genotype and lineages utilizing Viral Research & Diagnostic Laboratories Network.	Dr. Anudita Bhargava	DHR- VRDL	1 Year	2019-20	From VRDL funds
5.	Assessment of Neuraminidase Inhibitor susceptibility by detecting H275Y mutation in Influenza A (H1N1) pdm09 virus during 2018-2019 seasons.	Dr. Anudita Bhargava	DHR- VRDL	1 Year	2019-20	From VRDL funds
6.	Microbiological surveillance of Enteric pathogens causing childhood diarrhoea and evaluation of Faecal Calprotectin as a non invasive marker in distinguishing Enteric pathogen.	Dr. Ujjwala Gaikwad	Intramural	2 years	2017-19	5,00,000/-
7.	Evaluation of Fluorescein Diacetate viability staining during follow up examination of smear positive pulmonary TB patients put on category I daily treatment regimen to identify the patients requiring DST at the end of intensive phase.	Dr. Ujjwala Gaikwad	Extramural (RNTCP)	1 year	Sep 2019 to Aug 2020	2,00,000/-
8.	Spectrum of dermatophytic infections & drug susceptibility pattern of dermatophytes from patients of AIIMS, Raipur	Dr. Archana B. Wankhade	Intramural	1 year	Dec 2019 - Dec 2020	499720/-

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Prevalence of Scrub typhus and Leptospirosis in cases of Acute febrile illness in Central India: A pilot study	Anudita Bhargava	AIIMS Raipur	1.5 years	2018- 19	3,94,900/-
2.	Screening for high risk human papillomavirus (HPV) genotypes by real time PCR in women with premalignant and malignant cervical pathology: a hospital based study from Raipur, Chhattisgarh.	Dr. Sanjay Singh Negi	DST-SERB	2Years	Oct, 2017-Sept, 2019	9.61 Lakh
3.	Base line widal titre and Salmonella carrier rate detection in healthy blood donors in Raipur	Dr. Padma Das	AIIMS, Raipur	1.5 years	2018-20	5 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Characterization, speciation and detection of antibiotic resistance in Enterococcal isolates from clinical specimens
2.	Diagnostic utility of PCR in detection of clinical cases and carriers of leprosy
3.	Genotypic and Phenotypic differentiation and clinico-epidemiological profile of Mycobacterium tuberculosis complex isolates from a tertiary care hospital in Chhattisgarh (MD thesis)
4.	Diagnostic Accuracy of Lipoarabinomanann antigen detection in pleural Tuberculosis (MD thesis)
5.	Developing In-House Polymerase Chain Reaction (PCR) for ameliorating diagnostic modalities of Scrub Typhus and its comparison with IgM capture ELISA.
6.	Clinico-mycological Study of Spectrum of Pulmonary Aspergillosis in Central India
7.	Evaluation of prevalence of HPV in Head and Neck Malignancies.
8.	Comparison of Diagnostic modalities for Mycoplasma pneumonia in clinically suspected pneumonia cases in 5-15 year age group

Completed

S. No.	Project (ICMR-STC Project for students)
1.	Decreasing misuse of gloves by healthcare workers through prospective audit of gloving practices and evidence-based feedback on environmental transmission of pathogens. (Undergraduate student project)
2.	Detection of Virulence factors in colonized strains of Candida species isolated from diabetic patients.

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	AIIMS, New Delhi, All ICUs of AIIMS, Raipur
2.	Burden of multidrug-resistant neonatal sepsis in district hospital settings in India	Department of Pediatrics-AIIMS-Raipur Institutions- AIIMS-New Delhi, AIIMS-Jodhpur, AIIMS-Raipur, JIPMER Puducherry, GMCH- Chandigarh & Assam Medical College and Hospital-Dibrugarh
3.	Evaluation of prevalence of HPV in Head and Neck Malignancies.	ENT, AIIMS, Raipur
4.	AIIMS, Raipur: Initiating Antimicrobial Stewardship activities in hospitals in India	AIIMS, New Delhi, Hospital administration, Dept. of Pharmacology & All ICUs of AIIMS, Raipur,
5.	The immunohistochemical biomarker BCL2 expression in malignant and premalignant lesions of uterine cervix and their correlation with human papilloma virus infection.	OBG, AIIMS, Raipur

Completed

S. No.	Project	Collaborating Department/Institution
1.	Situational analysis of WASH (Water Sanitation and Hygiene) facilities related to MCH services in Raipur District	Department of Community and family medicine, AIIMS Raipur
2.	Base line widal titre and Salmonella carrier rate detection in healthy blood donors in Raipur	Red Cross Blood Bank, Raipur

PUBLICATIONS

A. **Papers published in journals** listed in **MEDLINE, PubMed Central, Science Citation Index** and those published in **Open access** journals.

- Bhargava Anudita**, Kombade Sarika, Dash Debabrata and Jain Yogesh. Disseminated nocardiosis by *Nocardia farcinica*: Review and first case report from Central India. *Med Journal Armed Forces India* 2019; 75: 106 - 111.
- Sarika Kombade, **Padma Das**, Neeta Gade, **Ujjwala Gaikwad**, **Sanjay S Negi** and **Anudita Bhargava**: Early Diagnosis of Keratic Mycosis: A Call of Hours , *Acta Scientific Microbiology* 2.11 (2019): 83-85
- Padma Das**. "Emerging Fungal Infection- A Challenge". *EC Clinical and Medical Case Reports* 2.6 (2019): 270-271.
- Dash D., **Das P.**, **Bhargava A.** , **Gaikwad U.N.**, **Negi S. S.**, **Wankhede A.** Burden of enteric fever in Chhattisgarh : A single-center study on culture-positive cases from a newly built tertiary care hospital, *Journal of Laboratory Physicians - Volume 11, Issue 3, July-September 2019.*
- Patro P., **Das P.**, Intrinsically resistant bacteria as looming disaster: A rare case report of *Elizabethkingia meningoseptica* meningitis in a neonate. *JLP*, Accepted Manuscript: JLP-2020-4-9/R2 RESUBMISSION - (122)
- Sanjay Singh Negi**, **Anudita Bhargava**, Priyanka Singh, **Sarita Aggarwal**, **Nighat Hussain**, **Padma Das**. Predominance of High-Risk Human Papillomavirus Genotype 16 and 39 in Women with Premalignant and

Malignant Cervical Pathology from Raipur, Chhattisgarh: Clinical Evaluation of Tagging Oligonucleotide Cleavage and Extension Mediated Genotyping Assay. *Indian J Med Microbiol* 2019; 37: 255-62.

7. Vikram K, Agarwala P, **Bhargava A**, Jain Y, **Jagzape T**, **Wasnik P**. Scrub typhus and leptospirosis in rural and urban settings of central India: a preliminary evaluation. *Trop Doct.* 2019 Nov 28:49475519889712. doi: 10.1177/0049475519889712.[Epub ahead of print] PubMed PMID: 31779530.
8. A Dewangan, **U Gaikwad**. Comparative evaluation of a novel fluorescent marker and environmental surface cultures to assess the efficacy of environmental cleaning practices at a tertiary care Hospital. *J Hosp Infect* 2020; 104:261-268. <https://doi.org/10.1016/j.jhin.2019.11.011>.
9. **Gaikwad UN and Gaikwad NR**. Modalities to monitor the treatment response in Tuberculosis. *Indian Journal of Tuberculosis* (Special issue on review articles) 2019; 66(4):109-117.
10. **Wankhade AB**, Patro P, Arora RD, **Nagarkar NM**. Nasofacial rhinotomophthoramyosis: A report of two cases from Central India. *J Oral Maxillofac Pathol* 2020; 24:S124-7.

11. **Wankhade AB**. Necessity of identification of fungi & antifungal susceptibility testing (AFST). *Infection Control Trends News Letter special edition on clinical Mycology Oct 2019; Vol 2 (1):18*

B. List of **abstracts published in journals**. –

1. Srivastava N, **Das P**, **Wankhade AB**, **Bhargava A**, **Gaikwad U**, **Negi S**. Distribution of *Candida* spp. in hospital acquired blood stream infection and study of their virulence factor. *BMC Infectious Diseases* 2020, 20(Suppl 1):ISSHID
2. Mathias P., **Das P.**, Polymicrobial secondary blood stream infection: A case report. *BMC Infectious Diseases* 2020, 20(Suppl 1):ISSHID
3. **Gaikwad U**, Kumar V, **Das P**, **Wankhade A**, **Bhargava A**, **Negi S**. Analysis of time to positivity by MGIT System to predict culture-negatives for *Mycobacterium tuberculosis* complex: A consideration for issuing preliminary reports guiding patient management. *Int J Tuberc Lung Dis* 2019;22(11):S498.

A. List of **edited books and monographs**.

1. **Dr. Ujjwala Gaikwad-Editor for** – Hospital Infection Control Manual (version - 2.0), AIIMS Raipur, released on 13th April 2019.

PATIENT CARE

1. Started CBNAAT (GeneXpert) facility for rapid diagnosis of MDr. TB at AIIMS Raipur since January 2020.
2. Started Endotoxin detection facility for dialysis water samples at AIIMS, Raipur For the first time in the city.
3. Accreditation process for Line probe assay (LPA) for molecular diagnosis of tuberculosis started.
4. Standardized and started RT-PCR test of COVID-19 infection in AIIMS, Raipur and also involved in imparting training on COVID-19 rRT-PCR test to Microbiologist of various medical colleges of Chhattisgarh.
5. Provided Real Time PCR testing facility for HBV, HCV, HPV, HSV, Dengue, Chikungunya, viral meningitis (HSV, EBV, CMV, Adenovirus, HHV-6 &7, Human Parvovirus 19, Enterovirus, Parechoviruses) and Zika virus.
6. Provided Real Time RT-PCR for Viral load estimation of HBV and genotyping of HCV.
7. Started detection of Galactmannan facility for diagnosis of invasive Aspergillosis.
8. Started anaerobic bacterial culture facility.

Other Academic Activities

- Dr. Ujjwala Gaikwad attended training in molecular based detection of first line and second line drug resistance in TB by Line probe Assay at National Tuberculosis Institute, Bengaluru from 26th – 30th August 2019.
- Dr. Sanjay Negi attended 5 day national course on educational science for teachers of health professionals held at JIPMER, Puducherry from 16 to 21.09.2020.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Ujjwala Gaikwad and Dr. Anudita Bhargava received “HIC Champion -2020” award for implementing the best infection control practices at AIIMS Raipur. The award was given by JIPMER Pondicherry for securing first rank amongst the 24 participating institutes all over the India.
2. Dr. Ujjwala Gaikwad was invited to chair an oral abstract session on “Vulnerability to TB has many faces” at 50th Union World conference on Lung Health from 30th October to 2nd November 2019 at Hyderabad.
3. Dr. Ujjwala Gaikwad contributed actively as joint organizing secretary in organization of “Zonal Task Force” Meeting under NTEP at AIIMS Raipur on 18th -19th Feb 2020.
4. Dr. Padma Das contributed as joint organizing secretary in CGMICROCON 2019.
5. Dr. Ujjwala Gaikwad and Dr. Padma Das contributed actively as different section in charges under ‘Kayakalp’ committee for year 2019-20.
6. First & Second prize in oral paper presentation in ‘CGMICROCON 2019’Chapter conference held on 28th and 29th September 2019 to Dr. Neetu Shrivastav, Postgraduate Student, Department of Microbiology & Dr. Swati Salila, Senior Resident, Department of Microbiology respectively.
7. First & Second prize in poster paper presentation in ‘CGMICROCON 2019’Chapter conference held on 28th and 29th September 2019 to Dr. Shagufta, Postgraduate Student, Department of Microbiology & Dr. Pratibha Sharma, Senior Resident, Department of Microbiology respectively.
8. Two MBBS students Sai Kaumudi and Aishwarya Rai received second prize in State level intercollegiate undergraduate Microbiology Quiz during CGMICROCON, the 3rd annual conference of CAMM on 28th and 29th September 2019.

VISITING SCIENTIST

1. **Dr. Richard Cunniffe**, Senior Fund Portfolio manager, Global funds visited Tuberculosis diagnostic facility at the department on 15th November 2019, during a visit by the **WHO’s Joint Monitoring Mission to Chhattisgarh** to inspect Tuberculosis diagnosis and management facilities at AIIMS Raipur under NTEP.



VRD Lab of Microbiology Department was the first lab in Chhattisgarh to start testing COVID-19 samples



“HIC Champion -2020” award for implementing the best infection control practices at AIIMS Raipur

DEPARTMENT OF NEONATOLOGY

Assistant Professor & Head

Dr. Phalguni Padhi

HIGHLIGHTS

Inauguration of 22 bedded State of Art Neonatal Intensive Care Unit on 2nd November 2019 by Prof. (Dr.) George A. D'Souza, President, All India Institute of Medical Sciences, Raipur in the august presence of Director Prof. (Dr.) Nitin M. Nagarkar.

Neonatal unit is capable of managing extreme premature baby with provision of highest level of neonatal care with compassion. Isolation unit with negative pressure ventilation was also set up.

The department also started Centre of excellence for Kangaroo Mother Care in collaboration with UNICEF at Neonatal Unit. It is a eight bedded unit where Training of trainers is being conducted (20 successful batches of trainers have been completed).

PDCC in Neonatology was started in August 2019 and first batch of four Fellows for neonatology have taken admission.

Education

1. Teaching and training program of fellows in neonatology that includes one journal, topic and case presentation per weeks with one mortality /perinatal meet per month.
2. Training of trainers for Kangaroo mother care at SNCU. Already 20 batches of medical officers and nurses have been trained for this purpose.
3. Mentoring visit and training of medical officers/nurses at SNCU.
4. Teaching and training program of Medical officers posted for 6 week pediatric training.
5. Regular theory classes of MBBS students as per schedule regarding neonatology with training of interns posted in NICU for basic neonatal care (Total theory classes 11 and total no of clinical classes 33).
6. Training and presentation by nursing officers once per week is also performed.
7. Interdepartmental teaching of fellows is also regularly done.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

1. Nominated by State health Department as Master Trainers for conducting training on Family Participatory Care Training of Trainers (TOT) on 21-22 Aug at State Collaborative Centre, GMC Raipur. The Department successfully conducted the workshop.
2. Conducting the Departmental Round of Central Zone of NNF PG and Nursing Quiz in Neonatology on 2nd September 2019 at AIIMS Raipur
3. NRP workstation in Respectful maternity care and emergency obs drills on 22nd December, 2019.
4. Resource person for NRP workstation in newborn week celebration at nursing college on 17th November, 2019.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Phalguni Padhi

S. No.	Title	CME/Conference	Date	Organized by
1.	Feeding in LBW Babies	Annual Clinical Update	18.04.2019	JLN Hospital and Research Centre, Bhilai, Chhattisgarh

S. No.	Title	CME/Conference	Date	Organized by
2.	Breastfeeding in Special Situations Research that Changed Neonatal Practice	CME on Breastfeeding	04.08.2019	JLN Hospital and Research Centre, Bhilai, Chhattisgarh
3.	Breastfeeding – Common Problems	Breastfeeding Week Celebration	01-05.04.2019	AIIMS, Raipur
4.	NRP	Newborn Week Celebration	18.11.2019	Nursing College, AIIMS, Raipur
5.	Delivery Room and Neonatal Emergencies and Management	Internship Induction Programme	04.01.2020	AIIMS, Raipur
6.	LBW Babies and their Management	KMC Workshop	5-6.04.2019	UNICEF, Raipur
7.	KMC	KMC Workshop	5-6.04.2019	UNICEF, Raipur
8.	Probiotics in Newborn	CG –IAP MEET	24.07.2019	CG –IAP
9.	LBW Babies Feeding	CG –IAP MEET	14.08.2019	CG –IAP

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Study of Emerging Biomarkers in Acute Kidney Injury in Term Neonates with Perinatal Asphyxia – A Nested Case Control Study	Dr. AK Goel	AIIMS, Raipur	2 year	June 2018	5,00,000/-
2.	Initiating Antimicrobial Stewardship Activities in Hospitals in India	Dr. Padma Das	AIIMS, Raipur	1 year	June 2018	5,00,000/-

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Factors Affecting Initiation of Breastfeeding In First Twenty Four Hours After Birth at AIIMS, Raipur
2.	Morbidity and Mortality Profile of Newborns Admitted in NICU in Chattisgarh, (Mouli, AIIMS, Raipur)

Collaborative Projects

Ongoing

S. No.	Project
1.	Correlation between Abnormal CTG and Cord ABG-DEPT OF OBS & GYNIC
2.	Prenatal Diagnosis of Congenital Anomalies-Prevalence, Pattern and Perinatal Outcome–Dept. of OBS & GYNIC

Awards, Honours And Significant Events

1. Organized celebration of breast feeding Week from from 1.08.2019to 5.08.2019.
2. Conducted KMC workshops and FPC workshops.

Publications

1. Necrotizing Fasciitis in Neonate and Use of Allograft
 Nitinkumar Borkar, Phalguni Padhi, Jiten Kumar
 Mishra, Shamendra Anand Sahu, Debajyoti Mohanty, Sunita Singh -Journal of neonatal surgery, Vol 8, No 1 (2019)

S. No.	Author(s)	Title	Editor	Name of the Book	Edition	City of Publication	Publisher	Year of Publication	First page- Last page
1.	Dr. Phalguni Padhi	Perivent Ricular Leukomalacia	Dr. N. Kabra	IAP NNF Textbook of Clinical Neonatology	1 st	Mumbai	JAYPEE	2020	Not Printed Yet

Patient Care

In patient care/supportive activities include information regarding:

- (a) facilities available in the department-
 Special clinic-KMC clinic/High risk follow up clinic/FPC clinics
- (b) Mentoring visit to SNCU in the month of June and December of 2019 as a part of Quality Improvement

DEPARTMENT OF NUCLEAR MEDICINE

Professor and Head

Dr. Karan Peepre

Assistant Professor

Dr. Mudalsha Ravina

HIGHLIGHTS

Positron emission tomography-computerized tomography (PET-CT) equipment was installed and is functional from 25.10.2019. It is the first state of art

installation in a government institute in the state of Chhattisgarh and also the first installation amongst all the new AIIMS.

EDUCATION

PhD in Nuclear medicine has been started.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Mudalsha Ravina

S. No.	Title	CME/Conference	Date	Organised by
1.	Role of PET-CT in Hepatobiliary malignancy	AROICON 2020	22 to 23.02.2020	Association of Radiation Oncologists of India, Raipur
2.	Performing the ideal cardiac PET	12th biennial NCSI conference	05 to 06.10.2019	Nuclear Cardiological Society of India (NCSI), Chennai

RESEARCH

Ongoing

S. No.	Project
1.	Role of 18-F FDG PET-CT in initial staging & prediction of bone marrow involvement in newly diagnosed lymphoma patients in correlation with bone marrow study

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	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.	Radiotherapy
2.	Role of FDG PET-CT in pretreatment evaluation of oral carcinoma	ENT and HNS

PUBLICATIONS

Peepre K, Borkar NK, Jondhale SN, Ravina M, Moideen A, Yadav V, et al. Unusual presentation of jejunal hemangioma on Tc-99m pertechnetate scan with single photon emission computerized tomography - computerized tomography. World J Nucl Med. 2019; 18(3):310-313.

Ravina M, Saboury B, Chauhan MS, Jacob MJ, Pandit AG, Sanchety N, et al. A Utility of 18F-FDG PET/CT in pre-surgical risk stratification of patients with breast cancer. Hell J Nucl Med. 2019; 22(3): 165-171.

PATIENT CARE

Facilities available in the department

1. SPECT/CT Scan
2. PET/CT Scan
3. Thyroid Probe
4. Nuclear Medicine therapy clinic

April 2019- March 2020	SPECT/CT	SPECT/CT	Radioiodine Therapy for Thyroid Carcinoma and Thyrotoxicosis	Radio-Active Iodine Uptake Study
Total Number of Patients	1650	772	40	35

DEPARTMENT OF NEUROSURGERY

Assistant Professors

Dr. Anil Kumar Sharma (Head)
Dr. Nehete Lokesh Suresh
Dr. Surendra Kumar Gupta (From 03.09.2019)
Dr. Nitish Nayak (From 05.09.2019)
Dr. Gandhoke Charandeep Singh (From 23.10.2019)
Dr. Raghavendra Kumar Sharma (From 23.10.2019)
Dr. Prashant Raj Singh (From 13.12.2019)

HIGHLIGHTS

The Department of Neurosurgery continued to scale new heights in patient care, research and training. The department of Neurosurgery started functioning since Sep. 2017. Within a short period of time the department has become a specialized centre and is able to cater to almost all neurosurgical diseases affecting the cranium, spine and peripheral nervous system.

Department of Neurosurgery, along with collaboration of ENT- Head and Neck surgery and Anatomy department conducted Endoscopic skull base conference with live operative and cadaveric workshop on 6th-7th Sept. 2019 at AIIMS, Raipur. Eminent skull base surgeons participated in this workshop to teach advanced Endoscopic skull base procedures and was attended by the delegates from all over the country. In

Workshop delegates were given hands on cadaveric training on endoscopic endonasal techniques along with extended approaches. Department of Neurosurgery with ENT- Head and Neck surgery department started extended endoscopic endonasal approaches to treat skull base pathologies.

- The Department started awake brain tumor surgery for lesion in eloquent areas in brain.
- The Faculty members performed a very complex surgery of Giant Middle Cerebral Artery Aneurysm with revascularization and extracranial -intracranial bypass surgery. Surgery was performed by a team led by Dr. Anil Kumar Sharma with Dr. Nitish Nayak.

EDUCATION

Department faculty involved in the teaching of postgraduates students of other departments as co-supervisor of their thesis.

All faculties are actively involved in clinical teaching to post graduate students posted to neurosurgery department.

In cadaveric Workshop delegates were given hands on cadaveric training on endoscopic endonasal techniques along with extended approaches

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Anil Kumar Sharma

S. No.	Title	CME/Conference	Date	Organised by
1.	Endoscopic Endonasal Transplanum Transtubercular Approach	Endoscopic Skull Base Conference With Live Operative And Cadaveric Workshop	06 to 07.09. 2019	AIIMS, Raipur
2.	Practical Infection Control in Neurosurgical Operation Theatre	Infection prevention and control workshop	20.10.2019	Pulse Hospital and IMA, Durg

S. No.	Title	CME/Conference	Date	Organised by
3.	Cadaveric Assessment of the Extended Endoscopic Endonasal Approach to the Posterior Circulation for Aneurysm Clipping	19th Annual Conference of CerebroVascular Society Of India (NEUROVASCON 2019)	13 to 15.09.2019	Cerebro-Society of India
4.	Recent Advances in Management of Craniopharyngioma	CME- Chattisgarh Association of Neuroscientists	24.10.2019	Chhattisgarh Association of Neuroscientists (CAN), Raipur
5.	Invited Lecture- Giant Partially Thrombosed Cerebral Aneurysm	1 st Vascular Neurosurgery Update, SGPGI , Lucknow	15 to 16.11.2019	SGPGI, Lucknow (U.P.)
6.	Invited Lecture-Assessment of Extended Endoscopic approach to the Acom Aneurysm: a Cadaveric Study	22nd Annual conference of the Delhi Neurological Association 2020	01 to 02.02.2020	University College of Medical Sciences (UCMS) and GTB hospital, Janpath, New Delhi

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Vaibhav Nasre, Anil Kumar Sharma	Surgical Outcome of syndromic craniosynostosis	19th Annual Conference of CerebroVascular Society Of India (NEUROVASCON 2019)	13 to 15.09.2019	New Delhi
2.	Nitish Nayak Anil kumar Sharma	C2 Aneurysmal bone cyst	22nd Annual conference of the Delhi Neurological Association 2020	01 to 02.02. 2020	Delhi

RESEARCH

Completed

Principal Investigator: Dr. Anil Kumar Sharma

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1.	Anatomic study and clinical significance of the endoscopic endonasal approach to the anterior communicating artery complex	Dr. Anil Kumar Sharma	AIIMS, Raipur	01	2018-2019	5 Lakhs

Collaborative Projects

On-going

S. No.	Title	Collaborating Department/Institution
1.	An epidemiology study of Traumatic Head Injury and Spinal cord Injury	AIIMS, Delhi

PUBLICATIONS

1. **Anil Kumar**, Jitender Chaturvedi, Harsh Deora, Unilateral visual loss after spine surgery: Lesson to be learnt from unexpected devastating complication, *Interdisciplinary Neurosurgery*, 2019, ISSN 2214-7519, <https://doi.org/10.1016/j.inat.2019.03.005>.
2. **Kumar, Anil**. Devi BI. (2019). Do We Need to Perform Duroplasty and Tonsillar Resection in the Surgical Treatment for Patients with Chiari 1 Malformation?. *10.1016/j.wneu.2018.12.140*. <https://doi.org/10.1016/j.wneu.2018.12.140>
3. **Kumar A**. MISME syndrome: A very rare constellation of multiple supratentorial, infratentorial and multiple spinal tumors in neurofibromatosis type 2. *Interdisciplinary Neurosurgery*. 2019 Sep 9:100579. <https://doi.org/10.1016/j.inat.2019.100579>
4. **Kumar A**, Konar S, Hussain N, Chaturvedi J. Mirror meningioma at foramen magnum: Enigma in management of a very rare case. *Surg Neurol Int* 2019;10:230. https://doi.org/10.25259/sni_437_2019
5. **Anil Kumar**. "Current Concept in Management of Chiari Malformation I". *EC Neurology* 12.2 (2020): 01-02.
6. **Anil Kumar**. "Extended Endoscopic Endonasal Approach for Cerebral Aneurysm: What we Know Today". *Acta Scientific Neurology* 3.2 (2020): 01-02. <https://doi.org/10.31080/asne.2020.03.0144>
7. **Kumar, Anil & Nayak, Nitish & Nasre, Vaibhav**. (2019). Neurotrauma at AIIMS Raipur: An Overview. *Indian Journal of Neurotrauma*. 16. 117-119. [10.1055/s-0039-3402826](https://doi.org/10.1055/s-0039-3402826).
8. Shiv Kumar Mudgal, Suresh K Sharma, Jitender Chaturvedi, **Anil Sharma** Braincomputer interface advancement in neurosciences: Applications and issues *Interdisciplinary Neurosurgery*, 2020-06-01, Volume 20, Article 100694, <https://doi.org/10.1016/j.inat.2020.100694>
9. **Nayak N, Anil Kumar**. Cerebellar hemangioblastoma during pregnancy: Management options and review of literature. *Surg Neurol Int* 2020;11:123, https://doi.org/10.25259/sni_203_2020
10. Suprasellar Tension Pneumatocoele after Endoscopic Transsphenoidal Surgery for Pituitary Macroadenoma, *Asian Journal of Neurosurgery* (Accepted)
11. Deora, H., **Nayak, N.**, Dixit, P., Vikas, V., Rao, K., Pruthi, N., Srinivas, D., Shukla, D. P., Bhat, D. I., Malla, B. R., Devi, B. I., & Somanna, S. (2020). Surgical Management and Outcomes of Aneurysms of Posterior Inferior Cerebellar Artery: Location-Based Approaches with Review of Literature. *Journal of neurosciences in rural practice*, 11(1), 34-43. <https://doi.org/10.1055/s-0039-3399486>
12. **Nehete LS**, Konar SK, Nandeesh BN, Shukla D, Devi BI. Atypical presentation of extraspinal neurofibroma presenting with acute-onset monoparesis and Horner's syndrome: Case report and review of literature. *J Craniovertebr Junction Spine*. 2019;10(3):188-191.

PATIENT CARE

OPD services	IPD services	Major surgeries
5631	782	530

Department has started High dependency unit within neurosurgery IPD where critical patients on ventilators can be treated.

Neurosurgery department works in an interdisciplinary environment that brings together neurologists, radiologists, radiation oncologists, ENT-Head and Neck surgeons and a dedicated neuroanesthesia team. 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
- Spinal neurosurgery
- Functional surgeries like Drezotomy and microvascular decompressions
- 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

AWARDS, HONOURS AND SIGNIFICANT EVETS

Dr. Anil Kumar Sharma

- **Dr. Anil Kumar Sharma was appointed as Assistant Editor-** Indian Journal of Neurotrauma (IJNT), Official Journal of Neurotrauma Society of India (NTSI).
- He also served as **Co-Editor-** Neurology India (Official Journal of Neurology Society of India), January-February, 2019 Volume 67 | Issue 7 (Supplement).
- He is also serving as Review Editor for Neurosurgery section in Frontiers in Surgery Journal
- **Editorial board member-** Acta Scientific Neurology
- He was awarded as Visiting Surgeon fellow in Spine surgery at Medical college of Wisconsin, Milwaukee, USA

DEPARTMENT OF NEPHROLOGY

Assistant Professors

Dr. Vinay Rathore (Head)

Dr. Saurabh Nayak (Joined on 02.03.2020)

Dr. Varun Mamidi (Joined on 19.09.2019)

HIGHLIGHTS

Patient Care and Services:

OPD services caters to about 50-60 OPD patients per day, while IPD admission has increased to about 60/month. No of Hemodialysis Machine operational has increased from none to 8, including two hemodialysis machines operational exclusively for COVID-19 patients.

Ultrasound guided kidney Biopsy, Hemodialysis, Peritoneal dialysis facilities including CAPD, Automated Peritoneal dialysis, and Acute PD have been made fully functional. Facilities of Plasmapheresis, Hemoepufusion, CRRT, SLED, Isolated ultrafiltration have been started.

Day care facilities have been developed for Immunosuppression drugs and renal biopsy for patients of Glomerular diseases. Special clinics namely glomerular disease clinic (GDC), and CKDu clinic have been started with overwhelming response. Preventive Nephrology Clinic: Preventive Nephrology clinic has been started on 12th March 2020 in collaboration with School of Public Health.

The Department is providing support to State Government in dealing with Kidney Diseases cases in Supebeda.

EDUCATION:

Approval for One seat of DM Nephrology.

Regular classes and training for Dialysis technicians and Nursing staff .

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Department of Nephrology and School of Public Health organized World Kidney Day Program on 12th of March 2020. The activities included:

1. **Poster competition** on the theme 'Kidney Health for Everyone Everywhere from Prevention to Detection and Equitable Access to Healthcare
2. **Inauguration of Preventive Nephrology clinic**
3. **Dialysis Games** where patients on dialysis played games like Gully cricket, Badminton, Carrom, and Chess. It was organized in the basketball court and the basement area. The motto of the 'Dialysis Games' was to deliver a message that 'a fruitful life is possible with CKD and even with dialysis'.
4. **CME on the of World Kidney Day 2020** 'Kidney Health for Everyone Everywhere – from Prevention to Detection and Equitable Access to Care' was conducted.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Vinay Rathore

S. No.	Title	CME/Conference	Date	Organised by
1.	Role of Nursing in Deceased Donor Renal Transplant	Organ Donation and Transplantation	20.02.2020	AIIMS, Raipur

S. No.	Title	CME/Conference	Date	Organised by
2.	Chronic Kidney Disease of Unknown Origin (CKDu): AIIMS, Raipur Experience	State Level Consultation on CKD	14.01.2020 & 15.01.2020	Department of Health and Family Welfare, Govt. of Chhattisgarh Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Rathore V , Pal R, Galhotra A, Patel S, Nagarkar NM	A Clinical And Epidemiological Profile of Patients With Chronic Kidney Disease of Unknown Etiology Attending Aiims, Raipur, Chhattisgarh (Online Poster)	World Congress of Nephrology-2020 (Web conference)	26.03.2020 to 29.03.2020	International Society of Nephrology,
2.	Nayak S , R Ramchandran	Comparing The Impact of Post Dilution Online HDF Versus High Flux Hemodialysis On Plasma Cytokine Clearance - A Randomized Control Trial (Best Abstract Award Winning)	ISBP - PDSICON 2019	18.09.2019 to 19.09.2019	Peritoneal Dialysis Society of India, Hyderabad
3.	Mamidi V , Shekar M, Elumalai R, Rathore V Matcha J	Acute Kidney Injury in Patients with Rhabdomyolysis.	World Congress of Nephrology-2020 (Web conference)	26.03.2020 to 29.03.2020	International Society of Nephrology,

RESEARCH

Funded Projects

On-going

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End Year	Total Funds Sanctioned (Rs.)
1.	A Clinical and Epidemiological Profile of Patients with Chronic Kidney Disease of Unknown Etiology Attending Aiims, Raipur, Chhattisgarh	Dr. Vinay Rathore	AIIMS, Raipur	1 years	2019-2020	4 lakhs

Departmental Projects (including thesis/dissertations)

On-going

S. No.	Project
1.	Occult Hepatitis B Infection Among Chronic Kidney Disease Patients in a Tertiary Health Care Centre: A Preliminary Study

PUBLICATIONS

1. Joshi H, Agarwal D, Malhotra V, Rathore V, Beniwal P, Raveendran N, et al. A leap toward brighter future—deceased-donor renal transplantation: Three years of experience in Sawai Man Singh Hospital, Jaipur, India. *Indian Journal of Transplantation*. 2019;13(1):25.
2. Gawande A, Gupta GK, Gupta A, Wanjari SJ, Goel V, Rathore V, et al. Acute-on-Chronic Liver Failure: Etiology of Chronic and Acute Precipitating Factors and Their Effect on Mortality. *Journal of Clinical and Experimental Hepatology*. 2019;9(6):699–703.
3. Hassan I, Tiewsoh JBA, Ray P, Dawman L, Rathore V, Suri D, et al. Changing Spectrum of Infections in Childhood Nephrotic Syndrome. *The Indian Journal of Pediatrics*. 2019;86(11):1065–1065.
4. Rathore V, Bhattacharya D, Pandey J, Bhatia A, Dawman L, Tiewsoh K. Chylothorax in a child with nephrotic syndrome. *Indian Journal of Nephrology*. 2020;30(1):32.
5. Bhattacharya D, Indla RT, Tiewsoh K, Rathore V. Chylous ascites during peritoneal dialysis in a toddler: a rare complication. *BMJ Case Reports CP*. 2019;12(8):e229848.
6. Bhattacharya D, Rathore V, Tiewsoh K, Dawman L. Episodic hematuria in a young boy-do not miss familial idiopathic hypercalciuria. *Case Rep Open A Open J*. 2019;1–2.
7. Agarwal S, Beniwal P, Agarwal D, Rathore V. Renal transplant in a patient with idiopathic thrombocytopenic purpura refractory to steroid and intravenous immunoglobulin. *Indian Journal of Transplantation*. 2019;13(3):228.
8. Pandey AK, Agarwal D, Rathore V, Sharma GS, Nowal SS, Beniwal P, et al. Short Term Renal Outcome of Bortezomib Based Therapy in Patients with Multiple Myeloma Requiring Dialysis. *Indian Journal of Nephrology*. 2020;30(3):213.
9. Gaur N, Malhotra V, Agrawal D, Singh SK, Beniwal P, Sharma S, et al. Sofosbuvir–Velpatasvir Fixed Drug Combination for the Treatment of Chronic Hepatitis C Infection in Patients With End-Stage Renal Disease and Kidney Transplantation. *Journal of clinical and experimental hepatology*. 2020;10(3):189–93.
10. Sharma GS, Agarwal D, Rathore V, Pandey AK, Jhorawat R, Sharma SK, et al. Spectrum of asymptomatic bacteriuria in renal allograft recipients and its short-term effect on graft outcome: Experience of a Tertiary Care Center from Northwest India. *Indian Journal of Transplantation*. 2019;13(1):20.
11. Sahu RD, Jangid DK, Dhaker DS, Rathore V, Agrawal S, Yadav SS, et al. Usefulness of real-time sonoelastography for assessment of renal allograft fibrosis. *Indian Journal of Transplantation*. 2020;14(1):53.

Abstracts published in journals.

1. Rathore V, Pal R, Galhotra A, Patel S. Sun-114 a clinical and epidemiological profile of patients with chronic kidney disease of unknown etiology attending aiims, raipur, chhattisgarh. *Kidney International Reports*. 2020; 5. S248. 10.1016/j.ekir.2020.02.641.
2. Mamindi V, Shekar M, Elumalai R, Rathore V, Matcha J. Sat-049 acute kidney injury in patients with rhabdomyolysis. *Kidney International Reports*. 2020; 5. S21-S22. 10.1016/j.ekir.2020.02.054.
3. Nayak S, Ramachandran R, Gupta K. Comparing intermittent online hemodiafiltration and conventional intermittent hemodialysis inpatients with aki and sirs: prospective randomized controlled trial. *Nephrol Dial Transplant*. 2019 Jun 13; 34: 10.1093/ndt/gfz106.FP550
4. S. Nayak, A. Prabhakar, P. Bahuguna, K.L. Gupta, H.S. Kohli, R. Ramachandran. Online hemodiafiltration (post-dilution) as compared to high flux hemodialysis does not improve outcomes in community acquired aki with sirs- a randomised controlled trial, *Kidney International Reports*. 2020 Mar 01;5(3): 205-6: 10.1016/j.ekir.2020.02.525

PATIENT CARE

OPD	IPD	Renal Biopsy	Acute Peritoneal Dialysis	CAPD	Hemo-dialysis	CRRT	Plasma-phaeresis	Permacaths insertion	AVF Creation	AVF Banding
8637	517	150	9	15	1325	3	26	75	3	1

Health Camps

- Department of Nephrology has organized three health camps in the village of Supebeda, a small village close to the Orissa border in Gariyaband district of Chhattisgarh on 19.10. 2019, 26.11.2019 and 13.01. 2020 in collaboration with School of Public Health, AIIMS, Raipur and Ministry of Health and Family Welfare, Government of Chhattisgarh.
- Department of Nephrology participated in the **State level consultation on CKD** organized by Department of Health and Family Welfare, Chhattisgarh on 14.01.2020 and 15.01. 2020, to build confidence among villagers in dealing with CKD and further plan research to address the issue of CKD. Prof Vivekanand Jha (Executive Director, George Institute for Global Health, India) and Dr. Vijay Kher were the invited dignitaries in this program.

VISITING SCIENTIST

Vivekanand Jha | MD DM FRCP FAMS

Executive Director, George Institute India

Chair of Global Kidney Health, Faculty of Medicine, Imperial College London

Conjoint Professor of Medicine, University of New South Wales, Sydney

President, International Society of Nephrology

DEPARTMENT OF OBSTETRICS AND GYNAECOLOGY

Professor & Head

Dr. Sarita Agrawal

Associate Professors

Dr. Nilaj Bagde

Dr. Vinita Singh

Dr. Prasanta Kr. Nayak

Dr. Pushpawati

Dr. Chandrashekhar Shrivastava

Assistant Professors

Dr. Sarita Rajbhar

HIGHLIGHTS

The department is imparting continuous Trainings on Cervical Cancer screening.

It is organizing Screening Programme- Breast & Cervical Cancer Screening & Awareness. The

faculty members visits to Schools for Awareness on Adolescent Health Menstrual Hygiene & Cancer Awareness, Sensitization on HPV Vaccine regularly.

EDUCATION:

National Level workshop for Post Graduates on Respectful Maternity Care & Emergency Obstetrics drills; 22nd December 2019.



Lectures delivered at CMEs, National and International conferences

Dr. Sarita Agarwal

S. No.	Title	CME/Conference	Date	Organised by
1.	Research Methodology and Basic Biostatistics	Research Methodology and Basic Biostatistics	29 to 31.08.2019	AIIMS, Raipur
2.	Role of Conventional and Liquid based cytology for cervical cancer screening	Regional consultation on cancer cervix screening - the role of colposcopy	09.09. 2019	Mahatma Gandhi Institute of Medical Sciences, Sewagram Dist.Wardha

S. No.	Title	CME/Conference	Date	Organised by
3.	Respectful Maternity Care & Emergency Obstetrics Drills	1 st National Level Post Graduates Workshop On "Respectful Maternity Care & Emergency Obstetrics Drills	22.12.2019	AIIMS, Raipur
4.	Current trends in managing infertility in PCOS	FOGSI-ICOG Annual Conference	29.11.2019 - 01.12.2019.	FOGSI
5.	HPV implications in Gynaecology and vaccine	FOGSI Gynae Oncology Committee, Department of Obstetrics and Gynecology, AIIMS Bhopal and and The Obstetric and Gynecological Society of Bhopal under the aegis of ICOG, AGOI	20- 21.07.2019	AIIMS, Bhopal
6.	Moderator Session : Panel Topic : Sudden Fetal Demise	All India Congress of Obstetrics and Gynaecology (AICOG 2020)	29- 02.02.2020	FOGSI

Dr. Nilaj Kumar Bagde

S. No.	Title	CME/Conference	Date	Organized by
1.	Labor Room to Operation Theater Panel Discussion	All India congress of Obstetrics and Gynecology (AICOG 2020).	29.01.2020 - 02.02.2020	FOGSI
2.	Stress Urinary Incontinence.	HAPPY Gynecon Raipur	14- 15.09.2019.	AIIMS, Raipur
3.	Obstetrics Ecmplecisadrills.	National Level workshop for Post Graduates on Respectful Maternity Care & Emergency Obstetrics drills	22.12.2019	AIIMS, Raipur

Dr. Vinita Singh

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Dr. Zamir Lone Dr. Vinita Singh Dr. Pushpawati	Systemic Lupus Erythematosus and Pregnancy	HAPPY GYNAECON	13 -15.09.2019	AIIMS, Raipur
2.	Dr. Esha Das Dr. Vinita Singh	Placenta Percreta , A Case Report.	HAPPY GYNAECON	13 -15.09.2019	AIIMS, Raipur
3.	Dr. Veena Chandrawanshi Dr. Pushpa Dr. Vinita Singh	Congenital Cervical Incompetence And Its Outcome	HAPPY GYNAECON	13 -15.09.2019	AIIMS, Raipur
4.	Dr. Esha Das Dr. Vinita Singh	Role Of 1 st Trimester Uterine Artery Doppler And Pregnancy Associated Plasma Protein-A (Papp-A) In The Prediction Of Preeclampsia	33 rd Annual Conference, AICC RCOG , 2019	05- 08.09.2019	Royal College of Obstetricians and Gynaecologists (RCOG)

S. No.	Authors	Presentation	Conference	Date	Organised by
5.	Dr. Thakur P Dr. Singh V Dr. Rajbhar S.	Myoinositol "Role in Pcos Management"	33 RD AICC RCOG Kolkata	05.09.2010	Royal College of Obstetricians and Gynaecologists (RCOG)

Dr. Prasanta Kumar Nayak

S. No.	Title	CME/conference	Date	Organised by
1.	Pregnancy and Cancer Cervix	2 nd National Conference of SOVSI(Society of Vaginal Surgeons of India) and 15 th CG State conference, 14.09.2020	13-15.09.2020	Society of vaginal surgeons of India & Association of Obstetrics and Gynaecology of Chhattisgarh
2.	Extremes of Blood Sugars in Pregnancy	FOGSI International Conference Saving Mothers, Endorsed by SAFOG	02.08.2019	FOGSI
3.	Cancer Cervix Complicating Pregnancy	East Zone PG CME organised by AGOI (Association of Gynaecological Oncologists of India) at SCB.MC, Cuttack, India	29.06.2019	Association of Gynaecological Oncologists of India
4.	Screening, Complications and Management of Diabetes in Pregnancy	Raipur Obstetrics and Gynaecology Society	26.05.2019	Raipur Obstetrics and Gynaecology Society
5.	Gestational Diabetes	Raipur Obstetrics and Gynaecology Society	26.05.2019	Raipur Obstetrics and Gynaecology Society
6.	Management of Diabetes in Pregnancy	FOGSI International Conference Saving Mothers, Endorsed by SAFOG	02.08.2019	FOGSI

Dr. Pushpawati Thakur

S. No.	Title	CME/Conference	Date	Organised by
1.	Myoinositol "Role in Pcos management"	33 RD AICC RCOG Kolkata	05.09.2010	Royal College of Obstetricians and Gynaecologists (RCOG)
2.	HPV DNA screening	Happy GYNAECON 2019, Raipur	14.09.2019	AIIMS, Raipur
3.	Cervical cancer prevention	Happy GYNAECON 2019, Raipur	14.09.2019	AIIMS, Raipur

RESEARCH

Funded projects

On-going

Dr. Sarita Agarwal

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 Ovary Syndrome (PCOS): A Multicenter Study Across India	Dr. Sarita Agrawal	ICMR	3 Years	2017- Ongoing	6506780 /-
2.	Landscaping of Vitamin D Status Across Ages, And Ethnicities Among Indians And Establishing Normative Data Based On Various Functional Outcome: A Multicentre Study	Dr. Sarita Agrawal	DBT	3 Years	IEC Approval Received	to be initiated
3.	To Evaluate Maternal And Fetal Outcomes In Women Diagnosed With GDM or Normoglycaemia using IADPSG Criteria, among Women Diagnosed With Normoglycaemia by DIPSI Criteria: Prospective Multi-Centre Observational Cohort Study (An ICMR Task Force study)	Dr. Sarita Agrawal	ICMR	4 Years	IEC Approval Received	to be initiated

Completed

Dr. Sarita Agarwal

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Prediction of Timing of Ovulation by Digital Speech Processing Techniques Among Women With Infertility - A Pilot Study	Dr. Sarita Agrawal	Non Funded	18 Month	2017- September 2019	Non Funded

On-going

Dr. Nilajkumar Bagde

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1.	Role Of Geminin As A Tool For Augmenting Accurate Diagnosis Of Cervical Neoplasia' (Intramural Funded).	Dr. Nilajkumar Bagde Department of Obstetrics and Gynecology AIIMS, Raipur.	Intramural Funded Project	1	2020	5,00,000
2.	Clinical Phenotypes and Genetic Regulation of Endometriosis in Indian Women (Extramural Funded Project for 5 Years with ICMR) Department of Obstetrics and Gynecology AIIMS, Raipur.	Principal Investigator- Dr. Rahual Gajbhiye, Scientist D, ICMR-NIIRH Mumbai. Co – Investigator Dr. Nilajkumar Bagde Department of Obstetrics and Gynecology AIIMS, Raipur.	Extramural Funded (Wellcome Trust- DBT India Alliance Project)	5	2019 - 2024	9,16,000

Completed

Dr. Nilajkumar Bagde

S. No.	Project	Co-Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1.	The Immunohistochemical Biomarker BCL2 Expression in Malignant and Premalignant Lesions of Uterine Cervix and their Correlation with Human Papilloma Virus Infection'	Dr. Nilajkumar Bagde Department of Obstetrics and Gynecology AIIMS, Raipur.	Intramural Funded Project	1	2019-2020	5,00,000
2.	Testing of Microdeletions of Genes on Y Chromosome in Male Partner of Infertility Cases	Dr. Nilajkumar Bagde Department of Obstetrics and Gynecology AIIMS, Raipur.	Intramural Funded Project	3	2018- (Extended due to COVID-19 Pandemic)	5,00,000

Collaborative Projects

On-going

S. No.	Project	Collaborating Department/Institution
1.	Medical Evaluation of Hymen In Correlation With Genital Infections and Physical Activities In Sexually Inactive Females.	Department of Obstetrics and Gynecology AIIMS, Raipur

Funded projects

On-going

Dr. Vinita Singh

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs)
1.	Serum Testosterone Level And Semen Quality In Males Patients With Sickle Cell Disease Attending AIIMS, Raipur OPD: ONGOING WITH	Dr. Vinita Singh	AIIMS, Raipur	1	2017-2019	5 lakhs

NON-FUNDED

Dr. Vinita Singh

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs)
1.	Prediction of Adverse Maternal and Fetal Outcomes in Preeclampsia Using a Risk Prediction Model	Dr. Vinita Singh	AIIMS, Raipur	1	2020-2021	NA

Funded projects

On-going

Dr. Prasanta Kumar Nayak

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs)
1.	The Immunohistochemical Biomarker BCL2 Expression In Malignant And Premalignant Lesions of Uterine Cervix and their Correlation with Humanpapilloma Virus Infection	Dr. Prasanta Kumar Nayak	AIIMS, Raipur	1	2018-2019	5 lakhs

Funded projects

On-going

Dr. Pushpawati Thakur

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year- End year	Total funds sanctioned (Rs)
1.	Serum 25 Dihydroxy Vitamin D3 Level Estimation and Insulin Resistance in Women of 18-40 Years Age Group with Polycystic Ovarian Syndrome	Dr. Pushpawati Thakur	AllMS, Raipur	1	2018-2019	2, 340000

On-going

Departmental Projects (including thesis/dissertations)

S. No.	Project
1.	Prevalence and High-Risk Factors of Persistent Hyperglycemia Among Women With GDM- A Prospective Study.
2.	Tubo Ovarian Uterine And Peritoneal Pathology in Infertility.
3.	Role of 1 st Trimester Uterine Artery Doppler and Pregnancy Associated Plasma Protein-a (PAPP-A) in the Prediction of Preeclampsia.
4.	Role of Hysteroscopy in Evaluation of Intra Uterine Structural Pathology: Prospective Observational Study At A Tertiary Care Centre.
5.	“Serum and Salivary Uric Acid Level Estimation and its Correlation in Preeclampsia”

S. No.	Project
1.	Pregnancy Associated Plasma Protein-A (PAPP-A) as predictor for Small for Gestational Age neonates: A prospective Observational Study
2.	Effect of Exogenous Progesterone on Nuchal Translucency of the Fetus.

Completed: STS ICMR Project

S. No.	Project
1.	The Relevance of Antral Follicle Count As A Marker Of Ovarian Reserve in Normal and Infertile Women in A Tertiary Care Centre in Central India
2.	25-Oh Vitamin D Level Among Female Patients Attending AllMS, Raipur OPD With Menstrual Irregularities A Study of Awareness, Knowledge and Emotional Aspect of Infertility Among Women Seeking Fertility Assistance At A Tertiary Care Hospital In Chhattisgarh

PUBLICATIONS

- Agrawal S, Sahu R, Thakur P, Singh V, Chandramohan PB.** Recurrent hematometra with endometriosis in an adolescent girl: a case report. *Int J Reprod Contracept Obstet Gynecol* 2019;8:4567-9.
- Bagde N, Bagde M, Das E.** (2019) Scar endometriosis: a tormenting gynaecologists challenge. Case series with review of literature. *International Journal of Scientific Research.* 4;8(9).
- Singh V, Sahu R, Das E, Pavan BC.** A near miss case of placenta percreta in a patient with post myomectomy scar. *Int J Reprod Contracept Obstet Gynecol* 2019;8:5062-4.

4. **Prasanta Kumar Nayak**, Subarna Mitra, **Sarita Agrawal**, Nighat Hussain, **Pushpawati Thakur**, Byasdev Mishra, Role of various screening techniques in detecting preinvasive lesions of the cervix among symptomatic women and women having unhealthy cervix , J Can Res Ther, Jan-2020.
5. **Prasanta Kumar Nayak**, Subarna Mitra, Jaya Prakash Sahoo, Eli Mahapatra, Zamir Lone, Relationship of subclinical hypothyroidism and obesity in polycystic ovarian syndrome patients, Journal of family medicine and primary care, Jan-2020.
6. Sunil K Panigrahi, Anjali Pal, Sunita Singh, **Pushpawati Thakur** Assessment of community inquisitive insight towards carcinoma breast and cervix among adolescent girls in a city of Chhattisgarh, India: A qualitative study” has been published in “Journal of Family Medicine and Primary Care”2020 Volume: 9 Issue : Page: 619-625

VISITING SCIENTIST

Dr. P.K. Roy, Professor and Unit Head, Department of Obstetrics and Gynaecology, AIIMS, Delhi visited, Department of Obstetrics and Gynaecology, AIIMS Raipur for Postgraduate Teaching and Orientation Programme 18 - 20.09.2019

PATIENT CARE

TOTAL OPD	LABOR ROOM TOTAL ADMISSIONS	NORMAL DELIVERY	TOTAL DEPARTMENTAL USG DONE	Total MAJOR SURGERIES	TOTAL MINOR SURGERIES	OPD PROCEDURE DATA
38893	807	627	5296	1077	670	661

DEPARTMENT OF OPHTHALMOLOGY

Professor and Head

Dr. Somen Misra

Additional Professors

Dr. Neeta Misra

Dr. Lubna Khan

Associate Professors

Dr. Ankur K. Shrivastava

Dr. Vijaya Sahu

HIGHLIGHTS

The Department of Ophthalmology efficiently takes care of varied ocular complaints with speciality services available for Glaucoma, Cornea, Oculoplasty, Orbit, Medical Retina and Trauma cases. Apart from this, the department also caters to the needs of a large number of Cataract patients who are managed by Phacoemulsification and Small Incision Cataract Surgery. This year also marked the starting of Squint surgeries, Intravitreal injections and Retinopathy of Prematurity (ROP) screening which was initiated in July 2019, whereby newborns at risk delivered in the department of Obstetrics and Gynaecology, AIIMS and referred cases from Chhattisgarh have been screened wherever required. A dedicated Optometry Unit is functional for the diagnosis and management of various refractive errors.

The department acquired an Optical Coherence Tomography (OCT) machine for screening of

Glaucoma and Retinal Pathologies and a YAG LASER for treatment of post-operative PCO and Iridotomies. These have added significantly to the facilities available for patient care.

Several activities were organized by the Department in the reporting year, especially related to patient awareness issues. The National Eye Donation Fortnight was celebrated from 25th August to 8th September 2019 which saw active participation from medical students and nursing staff. Posters were prepared and displayed, educative pamphlets were distributed and the fortnight's activities culminated with a creative skit organized and performed by the MBBS students.

The World Glaucoma Week was celebrated from 8th to 14th March 2020 with display of banners, posters and daily educative pamphlet distribution with patient interaction regarding glaucoma. Sensitization Programme for Nursing Officers was also arranged.



Celebration of Eye Donation Fortnight

EDUCATION

MD Ophthalmology postgraduate seats were increased from 3 to 4 per year during 2019-20 having 2 seats in July 2019 and 2 seats in January 2020.

There is routine PG Programme including Departmental Case Presentation, Journal Club and Seminars. The Department is involved in Clinical Teaching for 4th, 6th & 7th Semesters in the form of Clinics, Tutorials & Lectures.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof.(Dr.) Somen Misra

S. No.	Title	CME/Conference	Date	Organised by
1.	An Overview of Community Ophthalmology in India	Annual Meet of Association of Community Ophthalmologists of India (ACOIN) Chhattisgarh Chapter	01.06.2019	Association of Community Ophthalmologists of India (ACOIN)
2.	Cataract Debate	2 nd Mid-Year CSOS Conference on Cataract and Glaucoma	04.08.2019	Chhattisgarh State Ophthalmological Society
3.	Controversies in Glaucoma	CME Practice Pearls on Cataract, Glaucoma and Diabetic Retinopathy	25.08.2019	MGM Eye Institute Raipur
4.	Overview of Eye Donation	National Eye Donation Fortnight Celebration	03.09.2019	AIIMS, Raipur

Dr. Neeta Misra

S. No.	Title	CME/Conference	Date	Organised by
1.	Hand Hygiene	Hands-on Workshop on Infection Control Practices	23.01.2020	AIIMS, Raipur
2.	Eye Donation	CME on "Organ Donation"	20.02.2020	AIIMS, Raipur

Dr. Lubna Khan

S. No.	Title	CME/Conference	Date	Organised by
1.	Introduction and historical aspects of Keratoplasty	National Eye Donation Fortnight Celebration	03.09.2019	AIIMS, Raipur
2.	Current Indication of Amniotic Membrane Transplantation in Ophthalmic disorder	Academic meeting	27.09.2019	AIIMS, Raipur

Dr. Ankur K. Shrivastava

S. No.	Title	CME/Conference	Date	Organised by
1.	Complicated Phaco surgery - Pearls for success	OP SIS 2019	07.04.2019	SAI Baba Eye Hospital
2.	Performing A and B scan by residents: To do versus not to do	78 th National Conference of All India Ophthalmological Society	12.02.2020	All India Ophthalmological Society

Dr. Vijaya Sahu

S. No.	Title	CME/Conference	Date	Organised by
1.	Retinopathy of Prematurity-An Overview	Academic Meeting	27.09.2019	AIIMS Raipur

LIST OF ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Dr. Neeta Misra	Chronic Dacryocystitis - Are we missing something?	78 th National Conference of All India Ophthalmological Society	13.02.2020	All India Ophthalmological Society

S. No.	Authors	Presentation	Conference	Date	Organised by
2.	Dr. Lubna Khan	A Case based Study of Corneal Changes in Dry Eye Disease as e-Poster	Annual Conference of KERACON (Corneal Society of India, National conference)	12 to 15.12.2019	Corneal Society of India
3.	Dr. Lubna Khan	Accuracy of A scan Biometry by Manual and Automated Keratometry for Implant Power Calculation: cross checked by "3D superformula"	78 th National Conference of All India Ophthalmological Society	13.02.2020	All India Ophthalmological Society
4.	Dr. Ankur K. Shrivastava	Ocular Malignancy profile at a Tertiary Eye Centre	Annual Conference of Association of Community Ophthalmologists of India	19.10.2019	Association of Community Ophthalmologist in India C.G.
5.	Dr. Ankur K. Shrivastava	Dermis Fat Graft: A viable option for Treatment of Anophthalmic Socket	Annual Conference of Chhattisgarh State Ophthalmological Society	21.12.2019	Chhattisgarh State Ophthalmological Society
6.	Dr. Ankur K. Shrivastava	Accuracy of IOL Power Calculation in Short Eyes: An Analysis of 6 Formulas	Annual Conference of Chhattisgarh State Ophthalmological Society	21.12.2019	Chhattisgarh State Ophthalmological Society

RESEARCH

Departmental Projects (including thesis/dissertations)

On-going

S. No.	Project
1.	Study of Astigmatism before and after Pterygium Surgery – A Prospective Observational Study
2.	Factors Affecting Final Visual Outcome in Mechanical Ocular Trauma at a Tertiary Health Care Centre in Chhattisgarh
3.	Revision of A-Scan Biometry using 3D Super Formula for Intraocular lens power calculation
4.	Comparison of biomarkers for Diabetic Macular Edema in proliferative and non proliferative diabetic retinopathy
5.	Impact of interocular difference in axial length and keratometry on postoperative refractive outcome after cataract surgery
6.	Effect of patient age on the predictive accuracy of intraocular lens power calculation formula: An analysis of seven formulae
7.	OCT as a pre-operative screening tool in routine cataract surgery: How useful is it?

Completed

S. No.	Project
1.	Effect Of Anterior Chamber Depth on Predictive Accuracy of Intraocular Lens Power Calculation Formulae in Eyes With Axial Length Less than 22 Mm: An Analysis of Seven Formulae
2.	Efficacy of Nepafenac versus Flurbiprofen in maintaining Intraoperative Mydriasis during Phacoemulsification: A Comparative Study

Collaborative Projects

On-going

S. No.	Project	Collaborating Department/Institution
1.	Retinal Structural Abnormalities and Facial Emotion Recognition in Unmedicated First Episode Psychosis	Psychiatry/AIIMS, Raipur

PUBLICATIONS

1. Shrivastava AK, Nanda S. Double primary malignant tumor in a centenarian female: Case report and review of literature. *Nepal J Ophthalmol* 2019;11(2):223-26.
2. Shrivastava AK, Behera P. Accuracy of the refractive prediction determined by intraocular lens power calculation formulas in high myopia. *Indian J Ophthalmol* 2019;67(11):1905-6.
3. Prabha N, Chhabra N, Shrivastava AK, Arora RD, et al. Ocular abnormalities in vitiligo patients: A cross-sectional study. *Indian Dermatol Online J* 2019;10(6):731-4.
4. Shrivastava AK, Behera P, et al. Effect of anterior chamber depth on predictive accuracy of seven intraocular lens formulas in eyes with axial length less than 22 mm. *Clin. Ophthalmol.* 2019;13:1579-1586.
5. Khan L, Batavia E. Medroxyprogesterone to treat corneal thinning postcurvularia keratitis. *Oman J Ophthalmol* 2019;12(3):194-6

Chapters in books

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	Shubham Yadav, Sakthi Ganesh, Debanjan Das, U. Venkanna, Rajarshi Mohapatra, Ankur Kumar Shrivastava, Prantar Chakrabarti, Asoke K. Talukder	Susruta: Artificial Intelligence and Bayesian Knowledge Network in Healthcare-Smartphone Apps for Diagnosis and Differentiation of Anemias with Higher Accuracy at Resource Constrained Point-of-Care-Settings	Sanjay Madria, Philippe Fournier-Viger, Sanjay Chaudhary, P. Krishna Reddy	Big Data Analytics	1	Switzerland	Springer	2019	159-175

PATIENT CARE

A. Facilities available in the Department -

- Regular screening of all Ophthalmic patients
- Refraction
- Applanation and Non-Contact Tonometry

- USG A-scan & B-scan
- Optical Biometry
- YAG Capsulotomy and Iridotomy
- OCT for Glaucoma and Retina
- Humphrey's Automated Perimetry
- Assessment of Central Corneal Thickness
- Special services for
 - a. Glaucoma
 - b. Oculoplasty
 - c. Cornea
 - d. Paediatric Cataract
 - e. Strabismus
 - f. Ocular Trauma
 - g. ROP Screening
 - h. Medical Retinal and Intravitreal injections

B. Community services / Camps –

- Eye Donation Awareness activities(25.08.2019 to 08.09.2019)
(Sensitization of OPD patients, Lecture for faculty & students, Poster competition, Skit)
- Activities for Glaucoma Awareness (08.03.2020 to 14.03.2020)
(Pamphlet distribution, Poster display)

Total OPD	Total IPD	Total OT
34415	1218	1082

AWARDS, HONOURS AND SIGNIFICANT EVENTS



Best Teacher Award at Nagpur



K R Viswanath award at Kanpur

Prof. Dr. Somen Misra

- 1) Awarded "Best Teacher Award" on 18.10.2019 by Maharashtra Ophthalmological Society in 39th MOSCON 2019 at Hotel Centre Point, Nagpur
- 2) Panelist in PG Paper Presentation in 19th CSOS Annual Conference on 21.12.2019 at Hotel Amit Park International, Bhilai
- 3) Judged 78th AIOS-ARC Innovation Session on 12.02.2020 at A Dot Convention Centre, Gurugram
- 4) Chaired Orbit Oculoplasty Award Session on 13.02.2020 in 78th AIOS National Conference at A Dot Convention Centre, Gurugram
- 5) Judged Ophthalmic Film Presentation on 14.12.2020 in 78th AIOS National Conference at A Dot Convention Centre, Gurugram
- 6) Reviewer of Indian Journal of Ophthalmology, Journal of Clinical Ophthalmology and Research, Middle East African Journal of Ophthalmology, Saudi Medical Journal.

Dr. Ankur K. Shrivastava

- 1) Gold medal for best paper in Orbit and Ocular trauma at Annual Conference of Chhattisgarh State Ophthalmic society 2019.
- 2) Awarded K R Viswanath Endowment ACOIN award at ACOIN Annual conference at Kanpur, 2019
- 3) Selected as Editor Journal Proceedings, Chhattisgarh State Ophthalmic society.
- 4) Selected as Chairman Scientific Committee of Association of Community Ophthalmologists of India, CG chapter.
- 5) Reviewer of Journal of Cataract and refractive surgery, Journal of Ophthalmology, Journal of Ophthalmology and Eye Infections, Eye and Vision, Seminars in Ophthalmology

Dr. Vijaya Sahu

- 1) Completed Short Term Training (6 months) in Department of Vitreo-Retina at Dr. R.P. Centre for Ophthalmic Sciences, AIIMS, New Delhi on 31st May, 2019

Junior Residents - **Dr. Sushree Satavisa** and **Dr. Mary Anto** were awarded 1st and 2nd Prize respectively for their presentation in Annual Meet of ACOIN on 1st June 2019



Dr. Sushree Satavisa
receiving 1st Prize



Dr. Mary Anto receiving 2nd
Prize

DEPARTMENT OF ORTHOPAEDICS

Professor and Head

Prof. (Dr.) Alok C. Agrawal

Associate Professors

Dr. Bikram Keshari Kar

Dr. Harshal S. Sakale

Assistant Professors

Dr. Bikas Sahoo

Dr. Sandeep Kumar Yadav

Dr. Alok Rai Raman

HIGHLIGHTS

The department of Orthopaedics provides quality health care, medical education at graduate and postgraduate levels and research activities. Speciality care is provided to children with congenital club foot, patients presenting with sports injuries, problem related to spine, bone tumours, joint replacement and complex Trauma. The department conducted 'CEZCON-2019' on 12-13 October, 2019- the Annual

Conference of Central Zone of Indian Orthopaedic Association along with a National Workshop on JESS on 11 October, 2019 at AIIMS, Raipur. The conference was attended by almost 250 Orthopaedics surgeons from all over the country and highly appreciated. Prof. (Dr.) Alok C. Agrawal was elected as a Fellow of the National Academy of Medical Sciences, India, the first and only one from Chhattisgarh in any discipline.



CEZCON 2019 AIIMS Raipur

Professor Dr. Alok Chandra Agrawal being facilitated during 'CEZCON-2019' after being elected as Fellow of the National Academy of Medical Sciences, India. Dignitaries in the photograph (from left to right) Dr. Ram Prabhu, Mumbai (Past President of IOA), Dr. H. R. Jhunjunwala, Mumbai (Past President of IOA), Dr. K. D. Tiwari President CEZIOA, Durg, Dr. R. S. Dhir, Past President CGIOA, Past Prof. and HOD Orthopaedic KEM Medical College, Mumbai, Dr. Alok C. Agrawal, HOD Orthopaedics and Prof. (Dr.) G. K. Singh, Past Director AIIMS Bhubaneswar.

EDUCATION

1. Lectures for MBBS students- 3rd, 4th, 5th year.
2. Bed side clinics for MBBS medical students

3. Postgraduate classes in the form of case presentations, Journal Reviews and Seminars.
4. Log Book for M S Orthopaedic postgraduate students
5. The students have been attending clinical meetings along with Raipur Orthopaedic Society.
6. Currently department have 11 postgraduate students.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

Event	Date	Organised By
CEZCON-2019 Raipur	12 to 13.10.2019	AIIMS, Raipur
National Workshop on JESS	11.10.2019	AIIMS, Raipur
Sessions on Case Presentation	May/June/July/August	For Raipur Orthopaedic Society

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Alok Chandra Agrawal

S. No.	Title	CME/Conference	Date	Organised By
1.	Recurrence in Giant Cell Tumours	Bihar Orthopaedic Association Annual Conference	20.02.2020	Bihar Orthopedic Association
2.	Management of Recurrence in Giant Cell Tumours	CGIOACON-2020	18 to 19.01.2020	C.G. Orthopedic Association
3.	Management of Flexion Contractures of the Wrist by Differential Distraction.	40 th SICOT Orthopaedics World Congress	4 to 7.12.2019	International Society of Orthopedic Surgery and Traumatology
4.	Management of Clubfoot by Differential Distraction.	40 th SICOT Orthopaedics World Congress	4 to 7.12.2019	International Society of Orthopedic Surgery and Traumatology
5.	Management of Periarthritis Shoulder by Suprascapular Nerve Block Versus Platelet Rich Plasma.	40 th SICOT Orthopaedics World Congress	4 to 7.12.2019	International Society of Orthopedic Surgery and Traumatology
6.	Implant Infection Other than Arthroplasty	JOACON-2020	02.02.2020	Jharkhand Orthopedic Association
7.	Management of Recurrence in Giant Cell Tumours	CEZCON-2020	13.10.2019	AIIMS, Raipur
8.	Long Term Consequences of Upfront Surgery for Bone Tumours	WBOACON-2020	08.01.2020	West Bengal Orthopedic Association
9.	Osteoarthritis in Young Adult	IOACON-2019	21-24.11.2019	Indian Orthopedic Association
10.	How to Make Powerpoint Presentation	IOACON-2019	21-24.11.2019	Indian Orthopedic Association
11.	Biological vs Nonbiological Reconstruction in Skeletally Mature Patients	IOACON-2019	21-24.11.2019	Indian Orthopedic Association
12.	Osteoporosis and its Comprehensive Management	CME on Challenges and scope of rehabilitation	28.02.2020	AIIMS

S. No.	Title	CME/Conference	Date	Organised By
13.	Management of Neglected Monteggia Fracture Dislocation in a Child by an Innovative Technique using JESS for Distraction	CGIOACON-2020	18-19.01.2020	C.G. Orthopedic Association
14.	Management of Idiopathic Clubfoot by JESS Distractor	Advanced Workshop on JESS	11.10.2019	AIIMS, Raipur
15.	Management of Recurrence in Giant Cell Tumour	IOAMPCON	22.09.2019	Indian Orthopedic Association
16.	Research and Publications: Its importance and Need	IOA scientific writing Course	14.07.2019	Indian Orthopedic Association
17.	Research and Publications: Its Importance and Need	IOA scientific writing Course	29.09.2019	National Institute of Locomotive Disability
18.	Uniform Guidelines and Format for Manuscript	IOA scientific writing Course	29.09.2019	National Institute of Locomotive Disability
19.	Current Concepts in Management of Fracture Neck of Femur	FOCUS - Lower extremity Trauma	02.06.2019	A.O. India (International)
20.	Spondyloarthritis: Pathogenesis, Prevalence & Burden	IOA Action	10.11.2019	Indian Orthopedic Association

Dr. Bikram Keshari Kar

S. No.	Title	CME/Conference	Date	Organised By
1.	Management of Compound Fracture: Experience in AIIMS Raipur	CEZCON-2020	12.10.2019	AIIMS, Raipur
2.	Management of Supracondylar Fracture Femur by DFN	FOCUS - Lower extremity Trauma	02.06.2019	A.O. Trauma
3.	Role of Editor	Symposium on research methodology	11.01.2020	Orissa Orthopedic Association
4.	Use of Vancomycin Reduces Infection in Lumbar Spine Surgery	OOACON	10.01.2020	Orissa Orthopedic Association
5.	Panelist in Spine Trauma	CGIOACON-2020	18.01.2020	C.G. Orthopedic Association

Dr. Harshal Sakale

S. No.	Authors	Title	Conference	Date	Organised By
1.	Dr. Harshal Sakale	Transportal Arthroscopic ACL Reconstruction	CEZCON-2019	11 to 13.10.2019	AIIMS, Raipur
2.	Dr. Harshal Sakale	Management of Infected Nonunion of Tibia by Illizarvo Technique	CG-IOACON-2020	18 to 19.01.2020	AIIMS, Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Correlation of Vitamin D Levels with Markers of Bone Metabolism in COVID 19 Patients	Prof. Dr. Alok C. Agrawal	AIIMS, Raipur	06 Months	June 2020	3.19 Lakh
2.	A Study Of The Role Of Platelet Rich Plasma In The Treatment Of Knee Osteoarthritis.	Dr. Harshal Sakale	AIIMS, Raipur	2 Years	-	1.5 Lakh

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Estimation of Plasma Interleukin-33 level in Sickle Cell Disease Patients with Hip Osteonecrosis	Prof. Dr. Alok C. Agrawal	AIIMS, Raipur	02 Year 4 Months 7 days	31.12.2017 to 08.05.2020	5,00,000.00

Ongoing

S. No.	Project
1.	Correlation of Vitamin D Levels With Markers of Bone Metabolism In COVID 19 Patients.
2.	A Comparison of The Clinico-Radiological Outcomes of Inter Trochanteric Fractures Treated Using Proximal Femoral Nail And Proximal Femoral Nail Anti-Rotation.
3.	Evaluation of Functional Outcomes After Decompression Alone Vs Decompression With Fusion Surgery In Lumbar Spine Stenosis.
4.	Correlation Between Limb Length Discrepancy And Functional Outcome In Sickle Cell Disease Patients Following Total Hip Arthroplasty.
5.	Correlation 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.
6.	Management of Early Presenting Fracture Neck of Femur In Young Adults: A Comparative Study Between Osteosynthesis With And Without Fibular Graft.
7.	Management of Clubfoot by Joshi's External stabilizing system. A comparison between spring and manual distractor.
8.	Comparison of The Functional Outcomes of Transverse Patellar Fractures (Ao Type 34-C1) By Management By Tension Band Wiring Using Cannulated Cancellous Screws Versus Tension Band Wiring Using Kirschner Wires.

Completed

S. No.	Project
1.	Estimation Of Plasma Interleukin-33 Level In Sickle Cell Disease Patients With Hip Osteonecrosis
2.	Characteristic Of Foot Morphology And Their Relationship To Gender, Age, Body Mass Index, Plantar Pressure Distribution And Bilateral Asymmetry In Indian Adults With Normal And Symptomatic Foot.
3.	Comparative Study Between Suprascapular Nerve Block Versus Platelet Rich Plasma In The Treatment Of Adhesive Capsulitis Of Shoulder Joint.

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Role Of Geniculate Artery Embolization for Management of Osteoarthritis Related Pain and Disability, Using Microspheres And Impenem/Cilastatinembolizing Agents- A Pilot Study.	Radiodiagnosis, AIIMS, Raipur.
2.	Impact of Selected Yoga Posture on Core Muscle in Degenerative Disk Disease without Neurological Deficit	Department of Anatomy, AIIMS, Raipur
3.	Comparative Study Between Dexmedetomidine and Dexamethasone Adjuvant to Levobupivacaine in Ultrasound Guided Supraclavicular Brachial Plexus Block Scheduled for Upper Limb Surgery	Department of Anaesthesia AIIMS, Raipur
4.	Prevalence, Diagnosis and Treatment of Nontuberculous Mycobacteria in India: A Multicentric Project”.	Department of Microbiology/ Orthopaedics/Medicine AIIMS, Raipur
5.	Efficacy and Safety of Two Treatment Regimens of Trenexamic Acid in Blood Sparing Effect in Primary Unilateral Total Hip Arthroplasties. A Randomised Control Trial	Department of Anaesthesia

PUBLICATIONS

- Agrawal A C, Kar B, Sakale H, Sandeep Y, Rakshit J.** Characteristics of foot morphology and their relationship to gender, age, BMI, and bilateral symmetry in adult with normal and symptomatic foot. OJOT: 1; 41(1) 7-10
- Agrawal AC, Nayak B, Sakale H.** Management of adhesive capsulitis of shoulder joint by single platelet rich plasma injection. J OrthopTraumatolRehabil2019;11:62-5
- Kar B, Nayak B, Sakale H, Agrawal AC.** Negative pressure wound therapy. A healing touch approach to difficult wounds in Orthopaedic practice. A systematic review. OJOT :1;41(1) 41-45.
- Jitendra Mishra, N C Mohapatra, Bikram Kar.** Effect of daily teriparatide for delayed union of fracture neck of femur. JOTR 2019; 49-52.
- Mishra JK, Borkar NK, Kar BK, Sahu SA, Shrimor P.** Isolated Hexadactylia: A rare case of central polydactyly of the foot. The Foot 2020;42:101633
- Agrawal AC, Kaushik S, Nayak BD.** Management of flexion contractures of wrist by differential distraction. JOTR2019;11(2): 118-121

PATIENT CARE

Month	Total OPD	Special Clinic	Major OT	Minor OT	Procedure
Total	49628	183	988	100	6613

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Prof. (Dr.) Alok Chandra Agrawal, FAMS

1. Elected and admitted as Fellow National Academy of Medical Sciences, India FAMS During NAMSCON, AIIMS Bhopal (12.10.2019).
2. Indian Orthopaedic Association C.G. Chapter Appreciation Award “ All time Best Honorary Secretary” during CGIOACON 2019 Raipur (18 January 2020).
3. Dr. V. S. Singh Best Poster Award given during CEZCON AIIMS, Raipur-2019 (11.10.2019 to 13.10.2019).
4. Indian Orthopaedic Association C.G. Chapter Best Poster Award (19.01.2020).
5. Winner of M.P. Chapter Best Paper Award during CEZCON (11 to 13.10.2019).
6. 2nd prize to self written poetry competition in Hindi during Hindi Week by Rajbhasha Cell, AIIMS Raipur (5.10.2019).
7. Advanced A O Trauma Course (29 to 31.08.2019) Kolkata
8. 82nd NTTC on Education sciences for teachers of health professionals JIPMER (10 to 15.02.2020).

Dr. Bikram K Kar:

1. Associate Editor-JOTR
2. Chairman, Souverign Committee

Dr. Harshal Sakale:

1. Selected for IOA-Yuva Mentor Fellowship 2019-20
2. Associate Editor-JOTR
3. Co-Organising Secretary ‘CEZCON-2019’ AIIMS, Raipur

VISITING SCIENTIST

Dr. Bijyendra Kumar Singh

President, British Indian Orthopaedic Society, UK

Prof. and Consultant Orthopaedic Surgeon from Medway Meritime Hospital Gillingham, NHS Trust UK visited the department and took a lecture on Shoulder instability and Reverse shoulder arthroplasty on 29.05.2019

DEPARTMENT OF PAEDIATRICS

Prof. & Head

Prof.(Dr.) Anil K. Goel

Additional Professor

Dr. Tushar Jagzape

Associate Professors

Dr. Atul Jindal

Dr. Manas Ranjan Sahoo

Dr. Sunil Jondhale

Assistant Professor

Dr. Tripty Naik

HIGHLIGHTS

Pediatric Emergency Medicine wing is functional with 6 beds since August 2019 and 1st DM Pediatric Emergency programme started from 2020 July session. The specialty clinics like Asthma and allergy, Sickle cell and haematology which were started previously also saw increase in number of registered cases. Along with this new sub-speciality clinic for Glomerular diseases (nephrotic syndrome) was started in collaboration with Nephrology department. The new Paediatric ward and PICU in 'C' block has also been functional since December 2019. The total bed strength of Paediatrics department is now 106 (including PEM, PICU & Neonatology). The department is taking regular

academic activities for PGs and PICU/ NICU fellows. Initiated establishment of state center of excellence in SAM management (SCOE-SAM) in collaboration of UNICEF. The one week induction program of Academic JRs which were started last year was conducted this year also. The department has also trained nursing officers, academic and non academic JRs in triage in PEM. As a part of outreach activity department participated in a Health camp Organized in Kondagaon on 10.11.2019. To increase awareness among public the department organized various programs like Brest feeding week, ORS week. The Department also treats and takes care of Hematological malignancy in children.

EDUCATION

1. Apart from routine lectures and demonstrations, the department has taken active role in conducting online classes for UGs in view of COVID 19 pandemic and have coordinated with other departments and academic section for the establishing a proper program for online classes.
2. The department has successfully participated in internship induction programme and delivered lectures on "Recognition of a sick child in the emergency", "Triaging in Paediatrics", Neonatal resuscitation Program: Knowledge foundation" and hands on demonstration on Paediatric BLS & NRP.
3. The department organized IAP UG quiz for students in July 2019.
4. Conducted induction program for Post graduate resident of paediatrics for 3 days from 26.02.2020 to 28.02.2020. Key PALS, NALS, BLS highlights were on Paediatric triaging, Medico legal aspect and Notifiable disease and death form filling.

CMEs/Workshops/Symposia/National and International Conferences.

Sr. No.	Event	Organised by	Date
1.	State level CME for Sensitization of Medical College faculty & stake holders on integrated management of SAM in Chhattisgarh	AIIMS, Raipur	25.12.2019- 26.12.2019

Sr. No.	Event	Organised by	Date
2.	ORS Week Celebration	AIIMS, Raipur	23.07.2019- 29.07.2019
3.	Breast Feeding Week Celebration	AIIMS, Raipur	01.08.2019 - 07.08.2019

Lectures delivered at CMEs, National and International conferences:

Dr. Anil K. Goel

S. No	Title	CME/Conferenc	Date	Organised by
1.	Scope of Pediatric Emergency in India	CG-PEDICON 2019	3.11. 2019	IAP, Korba, CG
2.	Etiology and Management of Intellectual disability	RCI recognized Three days state level seminar on Approach to Intellectual Disability: Holistic Perspective	19.11.2019	Dept. of Psychiatry, AIIMS
3.	Workshop: Manuscript writing of Phase 1 trial of RVIS	Rota virus Impact assessment study	22.10. 2019 to 23.10.2019	CMC Vellore
4.	Guest Briefing on Importance of Triaging in ER	Importance of Triaging in ER	14 .06.2019	Govt. Med College, Yavatmal
5.	State Level CME for Sensitization of Facilitators on Integrated Management of SAM	SCoE SAM, AIIMS Raipur	25.12.2019 to 26.12.2019	State Center of Excellence for Malnutrition
6.	As a Expert to Discuss Operational Guidelines for Facility Based Management of U6M Infants with Growth Failure (MoHFW)	Kalawati Saran Children Hospital New Delhi	18.01.2020 to 19.01.2020	UNICEF
7.	Investigator's Meeting to Discuss Multi-Centric Research Proposal on Community Based Treatment of SAM with Specific Therapeutic Food	Kalawati Saran Children Hospital New Delhi	17.01.2020	UNICEF
8.	Neroimagoing in Neuro Infections	Nat Neurocon 2019	17.08.2019- 18.08.2019	Neurology Chapter of IAP, Raipur
9.	"Recognition of a Sick Child in the Emergency",	Internship Induction program	4.01.2020	AIIMS, Raipur

Dr. Tushar Jagzape

S. No.	Title	CME/Conference	Date	Organized by
1.	Good Clinical Practices	Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	26.05.2019	Apollo Hospital Bilaspur
2.	Role of Zinc and Other Micronutrients in Diarrhea.	CME for Celebration of Diarrhea Quarter by Raipur Academy of Pediatrics	08.06.2019	Pt. JN Medical College, Raipur
3.	Food Allergy Myths and Realities	Department of Pediatrics, JNMC, Sawangi (M), Wardha	26.08.2019	JNMC, Sawangi (M), Wardha
4.	Good Clinical Practices	Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	15.12.2019	Jawaharlal Nehru Hospital and Research Institute, Bhilai

Dr. Manas Ranjan Sahoo

S. No.	Title	CME/Conference	Date	Organized by
1	Triaging in Pediatrics	Internship Induction Program	4.01.2020	AIIMS, Raipur

Dr. Sunil Jondhale

S. No.	Title	CME/Conference	Date	Organized by
1	Choice of Antibiotics in Pneumonia -Panel Discussion	CGPEDICON 2019	03.11.2019	IAP, Korba,CG

Dr. Tripty Naik

S. No.	Title	CME/Conference	Date	Organized by
1.	Preventive Neonatology	Striving towards Excellence in Neonatal Care	15 to 21.11.2019	College of Nursing, AIIMS, Raipur
2.	NRP Knowledge Foundation	Internship Induction Program	04.01.2020	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Rachel A, Jondhale S, Naik T, Goel AK	Neuro Myelitis Optica Spectrum Disorder in a 11 Year Child	Nat Neurocon 2019	17.08.2019-18.08.2019	Neurology Chapter of IAP, Raipur
2.	Jagzape T, Margekar P	Sensitization Pattern to Various Common Allergens using Allergy Skin Prick Test (SPT) in Children Suffering from Asthma and Allergic Rhinitis at a Tertiary Care Hospital in Central India	RESPICON 2019	11.10.2019 to 13.10.2019	IAP Respiratory Chapter , Pune
3.	Johns J, Jagzape T, Naik T, Goel AK, Jondhale S	Acute Intermittent Porphyria Presenting as AFP- A Clinical conundrum	Nat Neurocon 2019	17.08.2019-18.08.2019	Neurology Chapter of IAP, Raipur
4.	Agrawal R, Naik T, Jondhale S, Margekar P	Reversible Neuroregression: Unusual Presentation of Hypervitaminosis D	NatNeurocon 2019	17.08.2019-18.08.2019	Neurology Chapter of IAP, Raipur

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Study of Emerging Biomarkers of Renal Injury in Acute Kidney Injury in Term Neonates with Perinatal Asphyxia - A Nested Case Control Study	Dr. Anil K Goel	AIIMS Raipur	18 months	Dec 2019-Ongoing	5,00,000

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
2.	Sensitization Pattern to Various Common Allergens, Using Allergy Skin Prick Test (SPT) In Children Suffering from Asthma, Allergic Rhinitis and Atopic Eczema Attending Asthma OPD, at AIIMS, Raipur	Dr. Tushar Jagzape	AIIMS, Raipur	2 Years	June 2018-2020	2,00,000
3.	AIIMS Raipur : Initiating Antimicrobial Stewardship Activities in Hospitals in India	Dr. Padma Das and Dr. Tushar Jagzape	ICMR	3 year	April 2019-ongoing	10,00,000

Departmental Projects (including thesis/dissertations)

S. No.	Project
1.	Assessment of Splenic Function in Sick Cell Disease in Children
2.	Quality Improvement Amongst Nursing Students for Paediatric Triaging: An Inter-Rater Reliability Assessment at Paediatric Emergency Medicine of AIIMS, Raipur
3.	Dexmedetomidine Versus Midazolam for Sedation in Mechanical Ventilated Children in Paediatric Intensive Care Unit- A RCT

Collaborative Projects- Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Improving Maternal and Newborn Health Care Delivery using Quality Improvement Package in Collaboration with AIIMS, Raipur Chhattisgarh.	SNCU of State of Chhattisgarh
2.	Evaluation of Fluorescein Diacetate Viability Staining During Follow Up Examination of Smear Positive Pulmonary TB Patients Put on Category I Daily Treatment Regimen to Identify the Patients Requiring DST at the End of Intensive Phase:	Microbiology
3.	Effectiveness of Virtual Reality Therapy on Anxiety and Symptom Distress with Chemotherapy Among Children with Cancer	Nursing College
4.	Developing In-House Polymerase Chain Reaction (PCR) for Ameliorating Diagnostic Modalities of Scrub Typhus and its Comparison with IgM Capture ELISA	Microbiology
5.	Pediatrics Re-Dosing Practices After Vomiting of Oral Medications	Pharmacology

Completed

S. No.	Project	Collaborating Department/Institution
1.	Scrub Typhus and Leptospirosis in Rural and Urban Settings of Central India: A Preliminary Evaluation	Microbiology
2.	Standardization of Blood Dosage by the Body Surface Area and the Effect of Blood Storage Towards Post Transfusion Hemoglobin Level within Pediatrics Transfusion Recipients	Transfusion Medicine and Blood Bank

PUBLICATIONS

1. Kumar V, Agarwal P, Bhargava A, Jain Y, **Jagzape T**, Wasnik P. Scrub typhus and leptospirosis in rural and urban settings of central India: a preliminary evaluation. Tropical Doctor, vol. 50, 2: pp. 111-115.
2. Jagzape AT, **Jagzape TB**. Integrated teaching program: Incorporation of "SACK" model. Natl J Physiol Pharm Pharmacol 2019;9(9):940-945.
3. Kumari V, **Jagzape TB**. Bronchial asthma: Prevalence and risk factors among children in urban population from Raipur, Chhattisgarh. Indian J Allergy Asthma Immunol 2019;33:45-50.
4. Ahmad N, Jindal S, Chacham S, Singh S, Vechangi B, **Jondhale SN**, et al. (2019). Scoliosis as an Early Manifestation of Freidrich Ataxia. Int J Case Rep Clin Image 1(3): 114.
5. Peepre K, Borkar N, **Jondhale SN**, Ravina M, Moideen A, Yadav V, et al. Unusual presentation of jejunal hemangioma on Tc-99m pertechnetate scan with single-photon emission computerized tomography-computed tomography. World J Nucl Med 2019.

Chapters in Books

S. No.	Author(s) of Chapter	Chapter Title	Name of the Editor	Name of the Book	Edition	City of Publication	Publisher	Year of Publication
1.	Menon J, Vaidya PC, Jondhale S	Diet in inflammatory Bowel disease	Gupte S	Recent advances in Pediatrics : Child nutrition in Practice	Special Vol 28	New Delhi	Jaypee Brothers	2019

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Anil Kumar Goel: As Project Director Established the State Centre of Excellence-SAM in collaboration with UNICEF.

PATIENT CARE

1 April, 2019 – 31 March, 2020	New OPD patient	Old OPD Patient
Total	1092	10879



DEPARTMENT OF PAEDIATRIC SURGERY

Additional Professor & Head

Dr. Nitin Kumar B. Borkar

Associate Professor

Dr. Sunita Singh

Assistant Professors

Dr. Charu Tiwari

Dr. Sonali Mane (Joined 12. 3. 2020)

HIGHLIGHTS

Department has started indoor services at Hospital building 3rd Floor 3C4 Block as per original plan of hospital, this new Pediatric Surgery ward is children friendly.

It has also started Pediatric urodynamics services at 3C4 block, hospital Building.

Department provides OPD on all working day with special clinic on Monday for Hypospadias.

Regular orientation program for Junior residents and Nursing Staff is held at every Saturday.

We have increased the horizon of our services and now we are treating all neonatal surgical emergencies.

RESEARCH

Projects

Ongoing

S. No.	Title	Funding Agency
1.	Accuracy Of The Broselow Pediatric Emergency Tape At Predicting Weight In Children Of Central India	Non-Funded
2.	Pedicled Prepuical (Byar's) Flaps vs Inner Prepuical Free Graft for Staged Hypospadias Repair. A Randomised Controlled Trial	AIIMS, Raipur
3.	Assessment of Clinico- Histological Profile of Breast Cancer Patients from Different District of Chhattisgarh Attending AIIMS, Raipur.	Non-Funded
4.	Randomized Control Trial Comparing Ultrasound Guided Therapeutic Transcutaneous Aspiration (USG-TCA) And Standard Incision Drainage (I&D) In Panton-Valentine Leucocidin (PVL) Toxin Producing Staphylococcus aureus Superficial Soft Tissue Abscess (SSTA) In Pediatric Patients: A Hospital Based Pilot Study	AIIMS, Raipur

Completed

S. No.	Title
1.	To Improve The Compliance of General Waste Segregation (Blue And Green Bin) By Patient Attender in 34a Ward Within 6 Weeks From Existing 40% To 90% Within 6 Wks Starting From 01.03.2019

PUBLICATIONS

- Mishra JK, **Borkar NK**, Kar BK, Sahu SA, Shrimor P . Isolated hexadactylia: A rare case of central polydactyly of the foot. Foot (Edinb). 2020 Mar; 42:101633.
- Singh, S.**, Varshney, A., **Borkar, N.** et al. Clinical Utility of Stem Cells in Congenital Anomalies: New Horizons in Pediatric Surgery. Indian J Surg (2020).

3. Take extra care of my delicate skin: A lesson from a case of burn from operating room LED top light. M Kurwe, HMR Karim, Y Nene, **S Singh**, G Ahmed *Pediatric Anesthesia* 30 (1), 78-79.
4. **Srivastava NS, Singh S, Mohanty D.** Suprapubic contracture and lower limbs fusion after thermal burn in a child: a rare presentation of common complication. *International Journal of Medical Science and Current Research (IJMSCR)* Volume 2, Issue 5; September-October 2019; Page No.117-120.
5. Panigrahi SK, Pal A, **Singh S**, Thakur P. Assessment of community inquisitive insight towards carcinoma breast and cervix among adolescent girls in a city of Chhattisgarh, India: A qualitative study. *J Family Med Prim Care* 2020;9:619-25.
6. **Tiwari C**, Shah H, Kumbhar V, Makhija D, Bothra J, Sandlas G. Right Congenital Diaphragmatic Hernia: Four Cases and Literature Review. Right congenital diaphragmatic hernia: Four cases and literature review. *Saudi Surg J* 2019;7: 154-7.
7. Kulkarni K, **Tiwari C**, Nagdeve N, Saoji R. Spontaneous Pre-pyloric Perforation in Children. *Pediatric Oncall Journal (October-December 2019)* 16(4): 115-118.
8. Sandlas G, **Tiwari C**, Bothra J, Jadhav B, Shah H. Stentless Hypospadias Repair: The Way Forward. Published online on 11 June 2020.
9. **Mitra AS**, Chandak U, Kulkarni KK, Nagdive N, Saoji R, Tiwari C. Stapled vs Conventional Hand-sewn Gastrointestinal Anastomosis during Infancy: A Prospective Comparative Study from Central India. *Euroasian J Hepato-Gastroenterol* 2020;10(1):11-15.

Chapters in Books

S. No.	Author(s) of Chapter	Title	Editor	Book	Edition	Publisher	Year of Publication
1.	Shah H, Sharma C	Anorectal Malformations	Redkar R, Agrawal P, Raveenthiran V,	IAPS Textbook of Paediatric Surgery	1	New Delhi	Jaypee Brothers, Medical Publishers Pvt Limited

Scientific Paper presented in national conference

S.No.	Authors	Paper	Date	Organized by
1.	Singh S , Borkar N, Peepre K, Ravina M, Varshney A	Use Of SPECT Scan With Scintigraphy In Child To Diagnose A Rare Cause Of Severe Gastrointestinal Bleed (Jejunal Hemangioma)	30.10.2019 to 03.11.2019	47 th National conference of pediatric surgeons IAPSCO- 2019
2.	Singh S , Mohanty D, Srivastava NK, Songre H	Mature Extragastric Teratoma of Lesser Curvature In An Adolescence: A Difficult Surgical Workout	30.10.2019 to 03.11.2019	IAPSCO-2019
3.	Singh S , Nagakar NM, Varshney A, Borkar N, Agrawal NK, Panda C	Pediatric Tamarind Seed Aspiration : A Predictor of Difficult Bronchoscopy	30.10.2019 to 03.11.2019	IAPSCO-2019
4.	Singh S , Borkar N	Topical 0.5% Timolol Maleate In The Treatment of Disfiguring Superficial Capillary Heman-gioma: Preliminary Results	30.10.2019 to 03.11.2019	IAPSCO-2019

S.No.	Authors	Paper	Date	Organized by
5.	Singh S , Borkar S, Tiwari C	Megacalycosis or Puigvert's Disease, An Important Differential of Antenatal Hydronephrosis	28.02.2020 to 01.03.2020	PESI-2020

PATIENT CARE

Department runs OPD on all day in week except Sunday and Emergencies on all days in a week. Special clinic is run for Hypospadias on Monday. Department provides information regarding pediatric injury prevention by means of various means to parents visiting to OPD. Small handbook is also distributed to parents with theme of Pediatric Injury Prevention. Department OPD is running in a child friendly area with separate play zone for the kids.

DEPARTMENT OF PATHOLOGY AND LABORATORY MEDICINE

Additional Professor & Head

Dr. Nighat Hussain

Associate Professor

Dr. Amit Bugalia

Assistant Professors

Dr. Vandita Yogendra Singh

Dr. Rakesh Kumar Gupta

Dr. Ashish Kumar Gupta

HIGHLIGHTS

Faculty members were actively involved in further improvement and upgradation of diagnostic services and day to day working of diagnostic laboratories like Hematology, Clinical Pathology, Cytology, Histopathology and Immunopathology. Quality

of services including turn-around-time is being maintained. The Department organized training sessions for District Hospital Laboratory technicians on basic laboratory techniques.

EDUCATION

Academic activities being conducted include MBBS and MD teaching. Post graduate teaching is being conducted in the department regularly in the form of seminars, gross and microscopic sessions and journal clubs. CPCs are being conducted with various clinical departments on time to time basis. BSc MLT course was designed and the first batch was started.

List of oral papers/posters presented

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Dr. V. Singh	Rapid Onsite Evaluation in Cytology- Applicability	CYTOCON 2019	November, 2019	PGI, Chandigarh
2.	Dr. Rakesh Kumar Gupta	Interesting Lesions- Neuropathology	CAPCON 2019-20	17.11.2019	Indian Association of Pathologist and Microbiologist, Bhilai
3.	Dr. R. K. Gupta	Does IgG4 Level Evaluation In Pancreatic Mass Play Role In Avoiding Major Surgery In Uncertain Presentation: A Case Report	AAPUD-2019	13.07.2019	AIMS, Kochi
4.	Dr. K. Kavya	Utility of Cell Block Technique in Fluid Cytology - A Retrospective Study in A Tertiary Care Centre	CYTOCON 2019	08.11.2019	PGI, Chandigarh
5.	Dr. P. Wasnik	Vallecular Liposarcoma with Low Grade Dedifferentiation in Supraglottic Larynx: A Case Report with Review of Literature	CAPCON 2019-20	17.11.2019	Indian Association of Pathologist and Microbiologist, Bhilai

S. No.	Authors	Presentation	Conference	Date	Organised by
6.	Dr. N. Hussain	Plasma Cell Dyscrasias- Case Series	RGCON, 2020	07-09.02.2020	Rajiv Gandhi Cancer Institute and Research Center, New Delhi

RESEARCH

Funded Projects

On-going

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 Precursors in Women from Chhattisgarh	Dr. Nighat Hussain	AIIMS, Raipur	1 Year	2019	5,00,000/-
2.	Establishment of Reference Range for Peripheral Blood Lymphocyte subsets by Immunophenotyping in Children from Chhattisgarh.	Dr. Amit Bugalia	AIIMS, Raipur	1 year	2019	5,00,000/-
3.	Triple Negative Breast Cancer; Immunohistochemistry Based Genomic Profiling and Correlation with the Histomorphology and Outcomes	Dr. Rakesh Kumar Gupta	AIIMS, Raipur	2 Year	2020-22	5,00,000/-

Departmental projects (including thesis/dissertations)

On-going

S. No.	Project
1.	Clinicopathological and Immunohistochemical Profile of Primary Lung Carcinomas in a Tertiary Care Hospital.
2.	Clinicopathological and Immunohistochemical Profile of CNS Gliomas in a Tertiary Care Institute.
3.	Immunophenotypic Profile of High Grade B-Cell Lymphomas 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.

Completed

S. No.	Project
1.	Concept Maps/ Mind Maps in Pathology Education- Advantages and Applicability.
2.	Evaluation of new Erythrocyte and Reticulocyte Parameters in Relations to Serum Iron Profile.
3.	Correlation of Reticulocyte Count on Flow Cytometer with Reticulocyte Count on Haematology Analyser using Fluorescence Method.

Collaborative projects

On-going

S. No.	Project	Collaborating department/ institution
1.	Serum Testosterone Level and Semen Quality in Male Patient with Sickle Cell Disease Attending AIIMS Raipur OPD.	Obstetrics and Gynaecology, AIIMS, Raipur
2.	Evaluation of Prevalence of HPV in Head and Neck Malignancies.	Otorhinolaryngology, 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	Obstetric & Gynecology, AIIMS, Raipur
4.	Prenatal Diagnosis of Congenital Anomalies-Prevalance, Pattern and Perinatal Outcome	Obstetric & Gynecology, AIIMS, Raipur
5.	Thyroid Intraoperative Cytology	ENT, AIIMS, Raipur
6.	Histopathological Changes in Trauma Brain to Ascertain Time Since Death	FMT, AIIMS, Raipur
7.	IL Levels in Carcinoma Breast	Surgery, AIIMS, Raipur
8.	Differentiation between Classic and Atypical Meningiomas by Diffusion Tensor Imaging and Diddusion Imaging with 3 Tesla MRI.	Radiodiagnosis, AIIMS, Raipur
9.	Assessment of Splenic Dysfunction in Sickle Disease in Children	Paediatrics, AIIMS, Raipur
10.	Study of the Prevalence of Atherosclerotic Lesions In Heart and Major Blood Vessels in Autopsy.	FMT, AIIMS, Raipur
11.	Clinico-Pathological Correlation of Ovarian Tumours - A Retrospective Cross Sectional Study.	Obstetric & Gynecology, AIIMS, Raipur
12.	Role of Diffusion Weighted Imaging and Dynamic Contrast Enhanced MRI for Preoperative Evaluation of Endometrial Carcinoma with Assessment of Myometrial Invasion.	Radiodiagnosis, AIIMS, Raipur
13.	Characterisation of Prostatic Lesion on Multiparametric MRI - An Institutional Study.	Radiodiagnosis, AIIMS, Raipur

Completed

S. No.	Project
1.	Awareness about Folic Acid Supplementation and Folic Status in Pregnant Women of Abhanpur Block of Raipur District, CG.

PUBLICATIONS

1. Myoepithelioma of nasal septum: a rare minor salivary gland tumour. BMJ Case Reports CP 2019; 12:e230926.
2. Patro, P., **Das P.**, Sachdev, D., **Borkar N.B., Ganguly, S., & Hussain, N.** (2019). An instance of excellent response of subcutaneous zygomycosis to itraconazole monotherapy. Medical Mycology Case Reports, 24, 13 - 17. Hussain N, Santosh T, Bugalia A. Trichophyton in cervical cytology: Common infection at uncommon site. Diagnostic Cytopathology. 2019;47:517-519.
3. **Hussain N**, Santosh T, **Bugalia A.** Trichophyton in cervical cytology: Common infection atuncommon site. Diagnostic Cytopathology. 2019; 47:517-519. How to cite this article: Kumar A, Konar S, Hussain

N, Chaturvedi J. Mirror meningioma at foramen magnum: Enigma in management of a very rare case. Surg Neurol Int 2019;10:230.

4. Kumar A, Konar S, **Hussain N**, Chaturvedi J. Mirror meningioma at foramen magnum: Enigma

in management of a very rare case. Surg Neurol Int 2019; 10:230.

5. Uttam P, **Gupta RK**, **Hussain N**. Male breast fibromatosis: A case report. Indian J Pathol Microbiol.2020 (Ahead of print).

List of chapters in books

Gupta R, Khanam S, Singh L. 1st ed. Mauritius: Scholar's press; 2019:192-200.

AWARDS, HONOURS AND SIGNIFICANT EVETS

Dr. R. Gupta: best poster award as co-author and moderator for poster 'Vallecular liposarcoma with low grade dedifferentiation in supraglottic larynx: a case report with review of literature' at CAPCON 2019-20, Bhilai, C.G.

PATIENT CARE

Departments	No. of investigations/ cases during this period
Haematology	98,091
Clinical Pathology	21,902
Cytopathology	5,940
Histopathology	3,889
Immunopathology	559

DEPARTMENT OF PHARMACOLOGY

Professor and Head

Dr. Suryaprakash Dhaneria

Additional Professors

Dr. Nitin Rewaram Gaikwad

Dr. Yogendra Narayanrao Keche

Assistant Professors

Dr. Alok Singh

Dr. Pugazhenthana T.

HIGHLIGHTS

DM Clinical Pharmacology Course was approved by Academic Committee, AIIMS, Raipur with annual intake of two (02) seats. The Department of Pharmacology organized Third Research Methodology Course for Post Graduate Students (PG-Junior Resident - July 2018 and January 2019 Session) of our institute on 13.07.2019 and 14.07.2019. It sensitized 302 participants like Students, Nursing Staff, Pharmacists, Doctors and General Public in 12 different training workshops conducted on Pharmacovigilance. Ms. Riya Jain (MBBS 2016 Batch) and Ms. Kota Veena Bharti (MBBS 2016 Batch) received 2nd prize in National Level Pharmacology Quiz held at AIIMS, Bhopal. The Department of Pharmacology organized Quiz for MBBS Students on "Infection Diseases" in Annual College Fest ORIANA at AIIMS, Raipur on 18.10.2019. Team AIIMS, Raipur

comprising of Ms. Riya Jain (MBBS 2016 Batch) and Mr. Paritosh Shukla (MBBS 2016 Batch) was runner-up. Mr. Varnan Chandrawanshi (MBBS 2015 Batch) received 1st Prize in Poster Presentation in conference for undergraduate students 'Confluence' held at Seth GS Medical College and KEM Hospital, Mumbai, Maharashtra on 02.08.2019 for his research paper on "10-year cardiovascular risk as predicted by QRISK®3 calculator in diabetic patients attending tertiary care teaching hospital of central India and its application to stratify statin over-users and under-users'. He completed this project under the guidance of Dr. Nitin Gaikwad. Mr. Varnan Chandrawanshi (MBBS 2015 Batch) received 2nd Prize in Oral Presentation in Scientific Activity of Annual College Fest ORIANA held in October 2019 for his research paper.

EDUCATION

Undergraduate teaching (MBBS and Nursing) is a regular academic activity of the department. Department introduced innovative teaching methods like making and presenting Poster Presentation, Home Assignment, Small Group Discussion, which facilitate self-directed learning among students.

Two Second year, MBBS students and Ten Second Year B. Sc. (Hons) Nursing students secured distinction in Pharmacology in their respective final examinations held during 2019-20.

The passing percentage in MBBS 2nd Professional Examination held in December 2019 and B. Sc. (Hons.) Nursing 2nd Year Final Examination held in July 2019 were 81% and 100%, respectively.

CMEs/ Workshops/ Symposia/ National and International Conferences: Training Programmes on Pharmacovigilance

Sr. No.	Event	Date	City
1.	Orientation Programme for Nurses	19.04.19, 07.06.19, 02.07.19, 10.02.20, 25.02.20	Raipur

Sr. No.	Event	Date	City
2.	Orientation Programme & Hands on training for Doctors (AMO)	15.07.19, 25.07.19, 19.08.19, 28.11.19, 08.01.20, 23.01.20, 12.02.20	Raipur

Lectures delivered at CMEs, National and International conferences

Dr. S. P. Dhaneria

S. No.	Title	CME/conference	Date	Organized by
1.	Study Designs (Including Phases of Clinical Trial)	Workshop on Good Clinical Practice and Ethical issues in Research Involving Human Subjects	26.05.19	Apollo Hospital, Bilaspur
2.	Ethical and Legal Aspects of Clinical Trial	Workshop on Good Clinical Practice and Ethical issues in research involving human subjects	26.05.19	Apollo Hospital, Bilaspur
3.	Experimental Studies: Randomized and Non-Randomized Controlled Trials	Research Methodology Course for PG-JR	13.07.19	Department of Pharmacology, AIIMS, Raipur
4.	Legal and Ethical Issues in Studies Involving Human Subjects	Research Methodology Course for PG-JR	14.07.19	Department of Pharmacology, AIIMS, Raipur
5.	Study Designs (Including Phases of Clinical Trial)	CME on Ethics in Biomedical Research and Pharmacovigilance	21.08.19	Government Medical College, Gondia
6.	Ethical and Legal Aspects of Clinical Trial	CME on Ethics in Biomedical Research and Pharmacovigilance	21.08.19	Government Medical College, Gondia
7.	Pharmacovigilance	CME on Pharmacovigilance	26.08.19	Shri Shankaracharya Institute of Medical Science Hospital, Bhilai
8.	Medication Errors	CME on Patient Safety on World Patient Safety Day	17.09.19	College of Nursing, AIIMS, Raipur
9.	Pharmacovigilance and RNTCP	Advance level training on Pharmacovigilance cum Coordinators meeting for States of Madhya Pradesh and Chhattisgarh	08.11.19	Department of Pharmacology, AIIMS, Bhopal
10.	Study Designs (including phases of Clinical Trial)	Workshop on Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	14.12.19	JNL Hospital and Research Center, Bhilai
11.	Ethical and Legal Aspects of Clinical Trial	Workshop on Good Clinical Practice and Ethical issues in Research Involving Human Subjects	14.12.19	JNL Hospital and Research Center, Bhilai
12.	Rational use of Medicines – The Need of Hour in the Interest of Society	36 th Annual National Workshop on Clinical Pharmacology	26.02.20	PGIMER, Chandigarh

Dr. Nitin Rewaram Gaikwad

S. No.	Title	CME/conference	Date	Organised by
1.	Ethics Committee – Roles and Responsibilities	Workshop on Good Clinical Practice and Ethical issues in Research Involving Human Subjects	26.05.19	Apollo Hospital, Bilaspur
2.	Informed Consent Document	Workshop on Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	26.05.19	Apollo Hospital, Bilaspur
3.	Analytical studies: Case-control, Cohort, Cross-sectional studies	Research Methodology Course for PG-JR	13.07.19	Department of Pharmacology, AIIMS, Raipur
4.	Effective Literature Search	Research Methodology Course for PG-JR	14.07.19	Department of Pharmacology, AIIMS, Raipur
5.	Informed Consent Document	Research Methodology Course for PG-JR	14.07.19	Department of Pharmacology, AIIMS, Raipur
6.	Ethics Committee – Roles and Responsibilities	Ethics in Biomedical Research and Pharmacovigilance	21.08.19	Government Medical College, Gondia
7.	Informed Consent Document	Ethics in Biomedical Research and Pharmacovigilance	21.08.19	Government Medical College, Gondia
8.	How to fill ADr. Reporting Form and Causality Assessment	CME on Pharmacovigilance	26.08.19	Shri Shankaracharya Institute of Medical Science Hospital, Bhilai
9.	Role of Pharmacovigilance in Patient Safety	CME on Patient Safety on World Patient Safety Day	17.09.19	College of Nursing, AIIMS, Raipur
10.	Adverse Drug Reactions due to Drug Interactions	AdvanceLevelTrainingonPharmacovigilance cum Coordinators meeting for States of Madhya Pradesh and Chhattisgarh	08.11.19	Department of Pharmacology, AIIMS, Bhopal
11.	Adverse Drug Interactions – Consider the clinically Significant Ones	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata
12.	Ethics Committee – Roles and Responsibilities	Workshop on Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	14.12.19	JNL Hospital and Research Center, Bhilai
13.	Informed Consent Document	Workshop on Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	14.12.19	JNL Hospital and Research Center, Bhilai

Dr. Yogendra Narayanrao Keche

S. No.	Title	CME/conference	Date	Organised by
1.	Descriptive Studies: Case Report, Case Series, Surveillance	Research Methodology Course for PG-JR	13.07.19	Department of Pharmacology, AIIMS, Raipur
2.	How to design a Case Record/Report Form (CRF)	Research Methodology Course for PG-JR	14.07.19	Department of Pharmacology, AIIMS, Raipur
3.	Case Record Form (CRF)	Workshop on Good Clinical Practice and Ethical Issues in Research Involving Human Subjects	14.12.19	JNL Hospital and Research Center, Bhilai

List of oral papers/posters presented

S. No.	Authors	Presentation	conference	Date	Organised by
1.	Chandrawanshi V, Gaikwad NR , Keche YN, Wasnik P, Dhaneria SP	10-Year Cardiovascular Risk as Predicted by Qrisk@3 Calculator In Diabetic Patients Attending Tertiary Care Teaching Hospital of Central India and its Application to Stratify Statin Over-Users and Under-Users (Poster Presentation)	12 th Annual Conference of South Asian College of Clinical Pharmacology (SAC-ACCP)	17.04.19 and 18.04.19	Department of Clinical Pharmacology, Seth GS Medical College and KEM Hospital, Mumbai in collaboration with ICMR and MUHS
2.	Khade Vidhina, Gaikwad Nitin , Inamdar Khalid, Keche Yogendra, Wasnik Preetam, Dhaneria SP	PATIENT-LED ANTIMICROBIAL STEWARDSHIP (PLEASE) Model to Create Awareness About Appropriate use of Antimicrobials in Community: A Pilot Study (Oral Paper Presentation)	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata
3.	Keche YN , Kota Veena Bharathi, Nayak Prasanta Kumar, Gaikwad NR, Dhaneria SP	Prescription Analysis and Risk Category Assessment of Drugs Prescribed During the Pregnancy in A Tertiary Care Center As Per United State Food and Drug Administration (USFDA) Classification (Poster Presentation)	5 th IUPHAR World Conference on the Pharmacology on Natural Products and 51 st Annual Conference of Indian Pharmacological Society (IPS)	04.12.19 to 07.12.19	ICMR – National Institute of Nutrition, Hyderabad
4.	Mehta JK , Dhaneria SP, Gaikwad NR, Keche YN	Adherence To Treatment Strategies And Drug Utilization Pattern Of Anti Diabetic Drugs In New And Recently Diagnosed Type 2 Diabetes Mellitus Patients (Poster Presentation)	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata

S. No.	Authors	Presentation	conference	Date	Organised by
5.	Gupta Dhyuti, Sahoo Ajaya K., Dhaneria S.P., T. Pugazhenthana, Singh Alok	Drug Utilization Pattern In A Tertiary Care Centre of Central India: A Retrospective Study. (Interim Analysis) (Poster Presentation)	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata
6.	G. Meenalotchini, Singh Madhusudan, KecheYogendra, Gaikwad Nitin, Dhaneria S.P.	Off label uses of Drugs – An analysis of RCTs published in PubMed indexed journals in last one year (Poster Presentation)	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata
7.	Singh Madhusudan, G. Meenalotchini, Gaikwad Nitin, Keche Yogendra, Dhaneria S.P.	Compliance with CONSORT CHECKLIST 2010 of Randomized control trials (RCTs) conducted in India and published in PubMed indexed journals: An analysis of one-year data (Poster Presentation)	11 th Annual Conference of Indian Society for Rational Pharmacotherapeutics (ISRPT) - 2019	29.11.19 to 30.11.19	Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata

RESEARCH

Funded projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End year	Total funds sanctioned (Rs)
1.	Usefulness of STOPP/START Criteria and Beers Criteria for Prescribing in Geriatric Patient in Tertiary Health Care Center, Raipur, Central India	Dr. Yogendra Keche	AllMS, Raipur	01 Year	2019-20	274600/-
2.	Allele and Genotype Frequency of <i>CYP2C19</i> In A Central Indian Population (Chhattisgarh)	Dr. Pugazhenthana T	AllMS, Raipur	02 Years	2019-20	04 Lakhs

Departmental projects (including thesis/dissertations)

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End year
1.	Assessment of Awareness, Knowledge and Attitude of Faculty Members Towards Telemedicine in Tertiary Care Centers of Central India.	Dr. Alok Singh	Non Funded	09 Months	2019-20

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End year
2.	Assessment of Knowledge, Attitude and Practice for the Fixed Dose Combinations among the Treating Physicians in a Tertiary Care Hospital	Dr. Alok Singh	Non Funded	06 Months	2019-20
3.	Open Survey of Paediatric Medication Reducing Practices after Vomiting in Tertiary Care Hospital in India	Dr. Pugazhenthana T	Non Funded	06 Months	2019-20
4.	Usage of Hydroxychloroquine and Azithromycin in Indicated Confirmed COVID-19 Positive Cases for its Efficacy in Early Negative Conversion-Pilot Observational Study.	Dr. Pugazhenthana T	Non Funded	1.5 Years	2020-21
5.	Efficacy and Safety of Tadalafil 5mg versus Tamsulosin 0.4mg in Men With Lower Urinary Tract Symptoms Associated with Benign Prostatic Hyperplasia: a Randomized, Active Comparator Controlled, Open Label, Parallel Group Clinical Trial	Dr. Vikas Katiyara (PG-JR 3) (under guidance of Dr. Nitin Gaikwad, Additional Professor, Department of Pharmacology)	-	01	2019-20
6.	Effect of Six-Months Use of Selective Serotonin Re-Uptake Inhibitors on Surrogate Markers of Atherosclerosis: A Prospective Longitudinal Hospital-Based Pilot Study	Dr. Dhyuti Gupta (PG-JR 3) (under guidance of Dr. S. P. Dhaneria, Prof. & Head, Department of Pharmacology)	-	1.5	2018-20
7.	Antimicrobials Used for Surgical Prophylaxis In Tertiary Care Teaching Hospital in Raipur District - A Retrospective Analysis	Dr. G. Meenalotchini (PG-JR 2) (under guidance of Dr. Yogendra N. Keche, Additional Professor Department of Pharmacology)	-	01	2019-20
8.	Active Surveillance of Antimicrobial use in Paediatric Intensive Care Teaching Hospital in Raipur	Dr. Madhusudan Singh (PG-JR 2) (under guidance of Dr. Nitin Gaikwad, Additional Professor, Department of Pharmacology)	-	1.5	2019-21
9.	Surgical Antimicrobial Prophylaxis in Patient undergoing Clean and Clean-Contaminated Surgery: Adherence to ICMR Guidelines and its Impact of Surgical	Dr. Sheth Pranav G. Gupta (PG-JR 2) (under guidance of Dr. S. P. Dhaneria, Prof. & Head, Department of Pharmacology)	-	1.5	2020-21
10.	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	Dr. G. Srikanth Goud (PG-JR 2) (under guidance of Dr. Nitin Gaikwad, Additional Professor, Department of Pharmacology)	-	1.5	2020-21

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (Years)	Start year-End year
1.	Drug Utilization Pattern in a Tertiary Care Center of Central India: A Retrospective Study.	Dr. Alok Singh	Non Funded	06 Months	2019-20
2.	Adherence to Treatment Strategies And Changes In Drug Utilization Pattern Of Antidiabetic Drugs In New And Recently Diagnosed Type 2 Diabetes Mellitus Patients: A Prospective, Longitudinal, Observational, Hospital-Based Study	Dr. Jitendra Kumar Mehta (PG-JR 3) (under guidance of Dr. S. P. Dhaneria, Prof. & Head, Department of Pharmacology)	-	1.5	2017-19

Collaborative projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration	Start year-End year	Total Funds
1.	ICMR Ad Hoc Project on AMSP	Dr. Padma Das Co-PI Dr. Nitin Gaikwad	ICMR	1 year	2020-2021	10 Lakhs

PUBLICATIONS

Research Papers Published

- Singh, A.**, Purohit, V. A critical review of pyritinol. *Drugs Ther Perspect.* 2019;35: 278–282
- Singh A.**, Gupta D. Can Acetylcholine make you dream? *Sleep Science.* 2019; 12(3): 240–241.
- Singh A.** Is vitamin B12 most misused vitamin in India? *Current Medicine Research and Practice.* 2019; 9(4):170.
- Singh A, Dhaneria SP,** Thangaraju P. Recent and updated pharmacotherapy of migraine. *Drugs Ther Perspect.* **2019;35:**571–578
- Kumar A., Rana AK., Singh A., **Singh A.** Bioactivity of methanolic extract of *Brassica juncea* in animal model of diabetes mellitus. *Chinese Herbal Medicines.* 2019;11(4): 434–437.
- Singh A.** Impact of Electronic Gadgets on Sleep spindle and Memory in Paediatric Population. *Sleep and Vigilance.* **2019;3:**159–160
- Singh A.** Voxelotor. Hemoglobin S (HbS) polymerization inhibitor. Treatment of sickle cell disease. *Drugs Fut.* 2019; 44(12):933
- Singh A.** Understanding Art of Publishing? *J Family Med Prim Care.* 2020;9:1279.
- Chandrakar RK., **Singh A.** Once-daily iron sulphate in the treatment of iron deficiency anemia: Is it going to be effective? *Current Medicine Research and Practice.* 2020;10(1):30–31
- Thangaraju P,** Venkatesan S. A double blow for a patient with leprosy: a reversal reaction and an adverse drug reaction. *The Lancet.* 2019; 394(10207):1450.
- Thangaraju P,** Venkatesan S, Prakash M. Chloroquine induced urticaria—A detailed history helps. *Journal of Family Medicine and Primary Care.* 2019;8(10):3454.

12. **Thangaraju P**, Venkatesan S. Government of India initiative against leprosy—We should be aware. *Journal of Family Medicine and Primary Care*. 2019;8(9):3072.
13. **Thangaraju P**, Venkatesan S. Monotherapy with liraglutide – Points to be focussed. *Journal of Family Medicine and Primary Care*. 2019;8(7):2551.
14. **Thangaraju P**, Venkatesan S. Responding to the Global Guidelines for the Prevention of Surgical Site Infection, 2018: A focus on surgical antibiotic prophylaxis prolongation. *Journal of Research in Medical Sciences*. 2019;24(1):90.
15. **Thangaraju P**, Venkatesan S. Current treatment guideline by the World Health Organization against leprosy: A positive focus. *Journal of Research in Medical Sciences*. 2019; 24(1):95.
16. **Thangaraju P**, Varthya S, Venkatesan S. Low-dose oxytocin - a safe strategy in postpartum haemorrhage. *Indian Journal of Pharmacology*. 2019;51(5):355.
17. **Thangaraju P**, Venkatesan S, Arunagiri K, Tamilselvan T, Sivashanmugam E, Ali M. Effectiveness of teaching orientation on polymerase chain reaction in leprosy among medical interns posted in central leprosy institute. *International Journal of Academic Medicine*. 2019; 5(3):180.
18. **Thangaraju P**, Varthya S, Venkatesan S. Named terminologies of patient-centered – A focus respective to stigmatized disease. *Journal of Family Medicine and Primary Care*. 2020; 9(4):2146.
19. **Thangaraju P**, Varthya S, Gurunthalingam M, Venkatesan S. Cephalosporin's induced hepatic enzyme derangement - An educational report. *Journal of Family Medicine and Primary Care*. 2020; 9(4):2143.
20. **Thangaraju P**. Violence against doctor – few points to be focussed. *Journal of Family Medicine and Primary Care*. 2020; 9(2):1270.
21. **Thangaraju P**, Varthya S, Venkatesan S. Curcumin and fungal infection – commonly available herbs for common female infection. *Journal of Family Medicine and Primary Care*. 2020; 9(2):1272.
22. **Thangaraju P**, venkatesan S. Leprosy reactions: Earlier diagnosis leads to more effective treatment. *Revista da Sociedade Brasileira de Medicina Tropical*. 2020; 53.
23. **Thangaraju P**, Venkatesan S. Medical residents: Research and publication priorities/confusions. *Journal of Family Medicine and Primary Care*. 2020; 9(5):2583.
24. **Thangaraju P**, Venkatesan S, Sivashanmugam E et al. Early Reduction of Glycated Hemoglobin in Patients Undergoing Treatment for Leprosy. *Indian J Lepr*. 2019; 91: 325-327.

PATIENT CARE

- Department of Pharmacology, AMC under PvPI, is actively collecting the ADr. reports from OPD and IPD of AIIMS Raipur. These reports are analysed by Faculty Members of Department of Pharmacology for its causality assessment. The data of these ADr. reports is submitted to IPC Ghaziabad, National Coordinating Centre for PvPI, through Vigiflow software. This data is further integrated with WHO-Uppsala ADr. Monitoring Centre Sweden.
- Total No. of ADRs reported from our centre to National Coordinating Centre (April 2019 to March 2020): 140.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Dr. S. P. Dhaneria became Life Member of American College of Clinical Pharmacology (South Asia Chapter).
- Dr. S. P. Dhaneria became Life Member of Society of Pharmacovigilance, India (SoPI).
- Dr. Nitin Gaikwad became Life Member of American College of Clinical Pharmacology (South Asia Chapter).

- Dr. Nitin Gaikwad received 3rd Prize in Oral Presentation for his research paper on “**PATIENT-LED ANTIMICROBIAL STEWARDSHIP (PLEASE)** Model to create awareness about appropriate use of antimicrobials in community: A pilot study” presented at 11th Annual National Conference Indian Society for Rational Pharmacotherapeutics (ISRPTCon-19) organised by Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata on 29.11.19 and 30.11.19.
- Dr. Pugazhenthana T was awarded “YOUNG FACULTY AWARD” at 8th Academic Brilliance Awards 2020 by EET CRS - Hyderabad
- Dr. Pugazhenthana T was awarded Lifetime publication in world prestigious Journal “The Lancet” titled “A double blow for a patient with leprosy: a reversal reaction and an adverse drug reaction.” with Impact factor of 60.30 at an early career.
- Dr. Pugazhenthana T obtained copyright for the first mobile application for the Lepra Reaction Management Guide (L-84496/2019) from Extracts from the Register of Copyrights.
- Dr. Jitendra Kumar Mehta received Second Prize for Poster Presentation in 11th Annual National Conference Indian Society for Rational Pharmacotherapeutics (ISRPTCon-19) Kolkata held from 29.11.19 to 30.11.19 for his poster on “Adherence To Treatment Strategies And Drug Utilization Pattern Of Anti Diabetic Drugs In New And Recently Diagnosed Type 2 Diabetes Mellitus Patients”.
- Dr. Madhusudan Prasad Singh received First Prize for Poster Presentation in 11th Annual National Conference Indian Society for Rational Pharmacotherapeutics (ISRPTCon-19) Kolkata held from 29.11.19 to 30.11.19 for his poster on Topic “ Compliance with CONSORT CHECKLIST 2010 of Randomized control trials (RCTs) conducted in India and Published in PubMed indexed journals: An analysis of one-year data”.

Other Academic Activities

- Dr. S. P. Dhaneria attended 12th Annual Conference of South Asian College of Clinical Pharmacology (SAC-ACCP) organised by Department of Clinical Pharmacology, Seth GS Medical College and KEM Hospital, Mumbai in collaboration with ICMR and MUHS on 17.04.19 and 18.04.19
- Dr. S. P. Dhaneria attended Indian Journal of Pharmacology – British Journal of Pharmacology, Joint Symposium on “Publication & Collaborative Research organized by PGIMER, Chandigarh on 07.12.2019
- Dr. Nitin Gaikwad attended Pre-conference workshop on “Clinical Pharmacology: Preparing for Future” organised by Department of Clinical Pharmacology, Seth GS Medical College and KEM Hospital, Mumbai in collaboration with ICMR and MUHS from 15.04.19.
- Dr. Nitin Gaikwad attended Pre-conference workshop on “Regulatory Perspectives for Applicants & Reviewers” organised by Department of Clinical Pharmacology, Seth GS Medical College and KEM Hospital, Mumbai in collaboration with ICMR and MUHS from 16.04.19.
- Dr. Nitin Gaikwad attended 12th Annual Conference of South Asian College of Clinical Pharmacology (SAC-ACCP) organised by Department of Clinical Pharmacology, Seth GS Medical College and KEM Hospital, Mumbai in collaboration with ICMR and MUHS on 17.04.19 and 18.04.19.
- Dr. Nitin Gaikwad attended 11th Annual National Conference Indian Society for Rational Pharmacotherapeutics (ISRPTCon-19) organised by Department of Clinical and Experimental Pharmacology, School of Tropical Medicine, Kolkata on 29.11.19 and 30.11.19.
- Dr. Yogendra Keche attended Symposium on Poisoning as Public health Problem organised by AIIMS, New Delhi on 26.04.2019
- Dr. Yogendra Keche attended Pre-conference on “Application of New tools such as Metabolomics” organised by ICMR – National Institute of Nutrition, Hyderabad on 04.12.2019.

- Dr. Yogendra Keche attended 5th IUPHAR World Conference on the Pharmacology on Natural Products and 51st Annual Conference of Indian Pharmacological Society (IPS) organised by ICMR – National Institute of Nutrition, Hyderabad from 04.12.2019 to 07.12.2019.
- Dr. Alok Singh attended National Symposium on IMMUNE DYSREGULATION AND Autoimmunity & HANDS ON WORKSHOP ON FLOWCYTOMETRY Workshop on 10.12.2019 and Symposium on 11.12.2019.
- Dr. Alok Singh attended National Workshop on Molecular Diagnosis of Human Viral Infectious Diseases Organised by Department of Microbiology, AIIMS, Raipur from 10.04.2019 to 13.04.2019.
- Dr. Pugazhenthana T. attended National Symposium on IMMUNE DYSREGULATION AND Autoimmunity & HANDS ON WORKSHOP ON FLOWCYTOMETRY Workshop on 10.12.2019 and Symposium on 11.12.2019.
- Dr. Pugazhenthana T. attended National Workshop on Molecular Diagnosis of Human Viral Infectious Diseases Organised by Department of Microbiology, AIIMS, Raipur from 10.04.2019 to 13.04.2019.
- Dr. Pugazhenthana T. attended 20th International Leprosy Congress organised by International Leprosy Organization and Ministry of Health Philippines from 10.09.2019 to 13.09.2019 at Philippines.
- Dr. Akanksha William attended Workshop on Advanced Pharmacovigilance Theme: Research in Pharmacovigilance in the age of COVID-19 organised by Adverse Drug Reaction Monitoring Center Regional Training Center for South Zone Department of Clinical Pharmacy JSS Medical College and Hospital, MG Road, Mysuru-04 on 29.07.2019.
- Dr. Sree Sudha TY attended Induction-cum-Training Programme on Pharmacovigilance organised by NCC-PVPI at IPC, Ghaziabad on 01.07.2019 and 02.07.2019.
- Dr. Jitendra Kumar Mehta attended Workshop – “Clinical Toxicology & Analytical Pharmacology” organised by School of Tropical Medicine, Kolkata on 27.11.19.
- Dr. Jitendra Kumar Mehta attended Workshop – “Optimum Implementation of the UG & PG Medical Curricula for Pharmacology” organised by School of Tropical Medicine, Kolkata on 28.11.19.
- Dr. Jitendra Kumar Mehta attended Conference - ISRPTCON 2019 “Aligning Pharmacology Knowledge and Expertise in Therapeutics Ensures Better Patient Outcomes” organised by School of Tropical Medicine, Kolkata on 29.11.2019 and 30.11.2019.
- Dr. Jitendra Kumar Mehta attended Workshop - NWCP (National Workshop in Clinical Pharmacology) 2020 organised by Department of Pharmacology “Postgraduate Institute of Medical Education & Research” (PGIMER) Chandigarh from 24.02.20 to 29.02.20.
- Dr. Vikas Katiyara attended 36th Annual National Workshop on Clinical Pharmacology (NWCP) organised by Department of Pharmacology, PGIMER, Chandigarh from 24.02.2020 to 29.02.2020.
- Dr. Dhyuti Gupta attended ISRPTCON 2019 organised by Indian Society for Rational Pharmacotherapeutics from 28.11.2019 to 30.11.2019.
- Dr. G. Meenalotchini attended ISRPTCON 2019 ‘Systematic Review and Meta-Analysis and Qualitative Research’ organised by ISRPTCon 2019 and Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 28.11.2019.
- Dr. G. Meenalotchini attended 11th Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCon 2019, Kolkata organised by Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 29.11.2019 and 30.11.2019.
- Dr. G. Meenalotchini attended 36th Annual National Workshop in Clinical Pharmacology organised by Department of Pharmacology, Post graduate Institute of Medical Education and Research, Chandigarh from 24.02.2020 to 29.02.2020.

- Dr. Madhusudan Singh attended Systematic Review and Meta-Analysis and Qualitative Research organised by ISRPTCon 2019 and Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 28.11.2019.
- Dr. Madhusudan Singh attended 11th Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCon 2019, Kolkata organised by Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 29.11.2019 and 30.11.2019.
- Dr. Madhusudan Singh attended 36th Annual National Workshop in Clinical Pharmacology organised by Department of Pharmacology, Post graduate Institute of Medical Education and Research, Chandigarh from 24.02.2020 to 29.02.2020.
- Dr. Sheth Pranav Gaurangbhai attended ISRPTCon2019 Pre-Conference Workshop Revisiting issues in Rational Pharmacotherapeutics in some key disease areas organised by Department of Clinical & Experimental Pharmacology, School of Tropical Medicine, Kolkata W.B on 27.11.2019
- Dr. Sheth Pranav Gaurangbhai attended Systematic Review and Meta-Analysis and Qualitative Research organised by ISRPTCon 2019 and Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 28.11.2019.
- Dr. Sheth Pranav Gaurangbhai attended The 11th Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCon 2019, Kolkata organised by Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 29.11.2019 and 30.11.2019.
- Dr. G. Srikanth Goud attended ISRPTCon2019 Pre-Conference Workshop Revisiting issues in Rational Pharmacotherapeutics in some key disease areas organised by Department of Clinical & Experimental Pharmacology, School of Tropical Medicine, Kolkata W.B on 27.11.2019
- Dr. G. Srikanth Goud attended Systematic Review and Meta-Analysis and Qualitative Research organised by ISRPTCon 2019 and Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 28.11.2019.
- Dr. G. Srikanth Goud attended The 11th Annual Conference of Indian Society for Rational Pharmacotherapeutics ISRPTCon 2019, Kolkata organised by Department of Clinical and Experimental Pharmacology, School of tropical Medicine, Kolkata, W.B on 29.11.2019 and 30.11.2019.

VISITING SCIENTIST

- Dr. N.R. Biswas, Director & Vice Chancellor, Indira Gandhi Institute of Medical Sciences, Patna.
- Dr. H.S. Rehan, Professor and Head, Department of Pharmacology, Lady Hardinge Medical College, New Delhi.
- Dr. S.K. Shrivastava, Professor and Head, Department of Pharmacology SMIMER. Surat.

DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION

Professor & Head

Prof. (Dr.) Alok Chandra Agrawal

Assistant Professor

Dr. Jaydeep Nandi

HIGHLIGHTS

In the year 2019-20, the department provided rehabilitation related treatment to a total of 17,587 OPD patients (6193 new and 11,394 referred) which implies a moderate increase from the previous year 2018-19 census of total 15,547. So, the average daily footfall was around 56.37 patients in this period. Also, PMR department

admitted 22 patients for IPD treatment in the 2019-2020 period.

The department organized the first National Level CME SCOPES AND CHALLENGES OF REHABILITATION on 28th February 2020. The event was enthusiastically attended by 10 renowned speakers and about 100 participants including Faculty, Nursing Tutors and Students.

EDUCATION:

Academics activities:

S. No.	Faculty /Staff Name	Topic	Date	Organised by
1.	Dr. Jaydeep Nandi	Brachial Plexus Injury, Diagnosis & Rehab Principle (Plastic Surgery National CME: Invited Lecture)	15.07.2019	AIIMS, Raipur
2.	Dr. Jaydeep Nandi	Cardiopulmonary Rehabilitation (National Midterm Conference by PMR Department at AIIMS, Rishikesh: Invited Lecture)	22.09.2019	AIIMS, Rishikesh
3.	Dr. Jaydeep Nandi	Physical comorbidities and rehabilitation in patients with Intellectual Disability (Psychiatry Department National CME: Invited Lecture)	20.11.2019	AIIMS, Raipur
4.	Dr. Jaydeep Nandi	Disability Rights and Status in India Policy and Programme (National CME Organized by CRC Rajnandgaon, MOSJE, Government of India : Invited Lecture)	22.11.2019	CRC, Rajnandgaon
5.	Shalini Singhal (Jr Physiotherapist)	Role of Physiotherapy for Physical Disabilities in children with intellectual disabilities (Psychiatry Department National CME: Invited Lecture)	21.11.2018	AIIMS, Raipur
6.	Snehanjali Jena (Jr Physiotherapist)	Challenges & Limitation of Physiotherapy for Physical disabilities in children with intellectual disabilities (Psychiatry Department National CME: Invited Lecture)	21.11.2019	AIIMS, Raipur
7.	Dr. Jaydeep Nandi	Common knee pathologies of young adults (PMR departmental National CME AIIMS Raipur)	28.02.2020	AIIMS, Raipur

S. No.	Faculty /Staff Name	Topic	Date	Organised by
8.	Dr. Sushil Kumar Nayak (Sr Resident)	Common shoulder pathologies of young adults (PMR departmental National CME AIIMS Raipur)	28.02.2020	AIIMS, Raipur
9.	Ms Shalini Singhal	Pulmonary rehabilitation in acute care setting (PMR departmental National CME AIIMS Raipur)	28.02.2020	AIIMS, Raipur
10.	Mr Vijay Nagre	Central origin balance problems and its rehabilitation (PMR departmental National CME AIIMS Raipur)	28.02.2020	AIIMS, Raipur

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

- Organized the first National Level CME (Scopes and Challenges of Rehabilitation) on 28th February, 2020 at AIIMS, Raipur, inaugurated by honorable Director Prof. Nitin M Nagarkar sir and other dignitaries. The Organising Chairman of the aforesaid CME was Dr. Alok C Agrawal and Organizing secretary was Dr. Jaydeep Nandi.
- Published and distributed a commemorative PMR-CALENDAR on that occasion to all 100 delegates and dignitaries.

RESEARCH

Non-Funded/Funded Projects

Ongoing: One

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Prospective analysis of pre-treatment quality of life, presenteeism and emotional health due to chronic neck pain in homemakers- An Indian tertiary care hospital perspective.	Chief Investigator: Dr. Jaydeep Nandi Co- Investigator: Dr. A C Agrawal	AIIMS, Raipur	3 Months	October 2019- January 2020	Non-Funded

PUBLICATIONS

Papers published in journal:-

- Jaydeep Nandi**, SY Kothari, Rajendra Sharma. A prospective interventional study to assess the clinical efficacy of visco-supplementation on knee osteoarthritis in a tertiary care center of New Delhi. IJAR February 2020; Volume 10 (2); PRINT ISSN No. 2249 - 555X | DOI : 10.36106/ijar
- Jaydeep Nandi**, Snehanjali Jena. An interesting case of Spinal Cord Injury with Brown Sequard Plus features: a silver lining in the cloud justifying the effort to recognize the rare syndrome. IJSR December 2019; Volume 8 (12); DOI 10.36106/ijsr

PATIENT CARE

Total Treated Patient in PMR Department (April 2019 to March 2020):

April 2019 to March 2020	PMR New Patient	PMR Referral Patient	Total PMR census	Daily OPD census (considering 26 OPD days/month)	Special clinics: PARALYSIS (Thursday)	Special clinics: AMPUTATION (Tuesday)	Minor interventions for PMR follow up patients	NCV for PMR follow up patients (since July 2019)
Total Number of Patients	6193	11,394	17,587	56.37	407	21	317	45

VISITING SCIENTIST

As part of CME of 28th February, 2020 the following dignitaries visited PMR Department:

1. Prof (Dr.) Suranjan Bhattacharjee, former head of Physical Medicine and Rehabilitation Department and Director of Christian Medical College, Vellore.
2. Prof. Dr. Sanjay Wadhwa, IAPMR President, Senior Professor, Department of PMR, AIIMS, New Delhi
3. Prof. (Dr.) Rajendra Sharma, Professor and Head of Department, PMR at Atal Bihari Bajpayee Institute of Medical Sciences and Dr. Ram Manohar Lohia Hospital, New Delhi, Ex-Director of All India Institute of PMR, Haji Ali, Mumbai, ex-MSVP Safdarjung and VMMC Hospital, New Delhi.
4. Prof. (Dr.) Akoijam Joy Singh, Ex-Dean, Professor and Head, Department of PMR, Regional Institute of Medical Sciences, Imphal
5. Prof. (Dr.) Ajay Gupta, Professor, Department of PMR, VMMC and Safdarjung Hospital, New Delhi.
6. Mr. Rajesh Tiwari, Deputy Director, Ministry of Social Justice and Empowerment, Govt. of C.G.

Other Activities: DR. Jaideep Nandi

Faculty (I/C),

1. The Department added the new services to its follow up patients via new procurements in this period, most notable among which is USG and NCV. Also, the procurement and installation process of Prosthetic and Orthotic Workshop is going on in full steam.

DEPARTMENT OF PHYSIOLOGY

Professor & Head

Dr. Ramanjan Sinha

Additional Professors

Dr. Meenakshi Sinha

Dr. Avinash Ingle

Associate Professors

Dr. Ekta Khandelwal

Dr. Jayshri Ghate

HIGHLIGHTS

The department has been active in teaching, research and clinical activities throughout the year, catering to initiation of several new paramedical courses. Also, the department was one of the first to initiate PhD program at the Institute with admission of two students in the department. MBBS student seminars were held regularly with horizontal and vertical integration with other departments. In addition, four paramedical courses were started. In research, faculty achievements included nomination as Associate Dean (Research) of the institute, guiding PhD and MD students & mentoring Post doctoral fellow with DST Project fellowship, research presentations and invited lectures in scientific fora, mentoring MBBS students with ICMR-STC fellowship, conducting Intramural and extramural projects on contemporary research areas with collaborations within and outside AIIMS, Raipur such as PRSU, Raipur, NIT, Raipur and proposed with IIT, Bhubaneswar. They also imparted technical training to students from NIT, Raipur and

was major contributors as resource faculty for medical education at our institute. Senior residents are conducting Intramural research projects and secured IPR & copyright through innovative study design on Hemato-Physiology. Also, senior and junior residents won several 1st prizes for their achievements in events ranging from poster and poetry in Swachhta Pakhwada & Hindi Pakhwada at our institute to 2nd Prize for best PG presentation in National conference in Physiology. Besides, faculties participated in various academic and extra-curricular bodies such as advisor for state level ICMR-NIRTH, nodal officers for AISHE-UGC Raipur and also e-classroom under NMCN-MoHFW and ethical and other committees of local University, telemedicine, library, gym, animal house, and various other committees of the institute. Besides, routine patient investigation and reporting has been going on at AFT & Vascular Function laboratory and also, referred cases from Pediatrics and Medicine wards are investigated in the EMG-NCS-EP laboratory.

EDUCATION

Undergraduate and Postgraduate Teaching	<ul style="list-style-type: none">• The department is actively involved in teaching and training of MBBS, MD, BSc. (Nursing) and other paramedical courses.• Two PhD students who were admitted to the department late in the year was provided sensitization and orientation to the departmental activities through attendance of seminars and classes.
Innovative Educational Activities	<ul style="list-style-type: none">• Conducted Integrated Student Seminars for MBBS students in collaboration with departments of Anatomy and Biochemistry on “Hemoglobinopathies and Thalassemia” and “Coronary Circulation and Coronary Artery Disease” in vertical integration with department of Cardiology and Pediatrics.

	<ul style="list-style-type: none"> Conducted weekly MBBS student Seminars in Physiology ensuring presentation on selected topics by all students under guidance and evaluation by faculty. Practical demonstrations held using USG for cardiac cycle and mannequins for providing training to students on CPR. MBBS theory and Practical evaluations were conducted using modern assessment techniques such as SAQ, SLAQ, MCQ (Single and Multiple response, Reason-Assertion and Problem Based), OSPE and OSCE. Regular validation of MCQs were done through Item Analysis and maintenance of Question Bank and maintenance of OSPE Bank.
Short Term Training / Resource Faculty	<p>Provided training in various electrophysiological techniques such as EEG, EMG, NCV, ECG, Autonomic and Pulmonary Function Tests, etc. to seventeen B.Tech (BioMedEngg.) students from NIT, Raipur.</p> <ul style="list-style-type: none"> Physiology faculties Imparted training in Medical Education as resource, conducted for faculty under Medical Education Unit, AIIMS, Raipur. Faculty delivered lectures as part of Faculty Development Program at Pt RS University, Raipur jointly held with Mahatma Gandhi National Council of Rural Education. Faculty delivered lectures as part of Refresher Course in Life Science, Human Resource Development Centre at Pt RS University, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. R. Sinha

S. No.	Title	CME/conference	Date	Organised by
1.	Exercise and Mental Health	6th Annual National Conference of Association of Physiologists of India	13.09.2019	Association of Physiologists of India, JSS Medical College, Mysuru, Karnataka
2.	An overview in Pain Modulation	North East Zone Critical Care CME conference & Workshop 2019	10.11.2019	NEIGRIHMS, Shillong
3.	Assessment Strategies in PG Curriculum	1 st Physiology Leaders' Summit	26.02.2020	Association of Physiologists & Pharmacologists of India at Goa

Dr. Meenakshi Sinha

Sl. No.	Title	CME/conference	Date	Organised by
1.	Clinical Implications of Actigraphy in Metabolic Diseases	Chronomedicine Symposium	25.05.2019	Diabetes Research & Welfare Association & Indian Society of Chronomedicine
2.	Chronomedicine & Lifestyle Related Disorders	National Online Lecture Series	11 .07.2019	AIIMS, Raipur
3.	Circadian Rhythm Disturbances in Respiratory Diseases	6th Annual National Conference of Association of Physiologists of India	13.09.2019	JSS Medical College, Mysuru, Karnataka
4.	Circadian Rhythmicity of Heart Rate Variability as Predictor of Cardiac Risk in Asthma	5 th World Congress of Chronomedicine, Indian Society for Chronomedicine	19.10.2019	AIIMS, Rishikesh

Sl. No.	Title	CME/conference	Date	Organised by
5.	Chronopatterns of Metabolic Diseases : Trends & Challenges	Refresher Course in Life Science, Human Resource Development Centre, PRSU	08.12.2019	Pt.Ravi Shankar Shukla University, Raipur

Dr. Avinash S. Ingle

S. No.	Title	CME/Conference	Date	Organised by
1.	Role of Ultrasound in Understanding, Teaching & Research in Physiology	5 th International Conference on Basic and Applied Physiology-2019	14.12.19	Government Medical College, Dungarpur, Rajasthan
2.	Speech on Rural Health in Chhattisgarh State.	Joint Faculty Development Program with Mahatma Gandhi National Council of Rural Education	17.12.19	Pt Ravi Shankar Shukla University, Raipur, CG

Dr. Ekta Khandelwal

S. No.	Title	CME/Conference	Date	Organised by
1.	Clinical Implications of Vascular Functions	Autonomic Function Testes: CME & Workshop	18.12.2019	Department of Physiology, Grant Govt. Medical College, Mumbai

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	NarraL, Ghate J, Sinha M, Sinha R.	Alteration in Brainstem Auditory Evoked Potentials in Young Obese Individuals	CONNIASSANCE 2019 (International Undergraduate Medical Students Conference)	14.07.2019	JIPMER, Puducherry
2.	Jain M, Sinha M, Sinha R, Behera A & Mandal S.	Alterations of Cognitive Status in Asthmatic Patients	5th Annual National Conference of Association of Physiologists of India	11 -14.09.2019	Association of Physiologists of India Mysuru, Karnataka
3.	Khandelwal E, Suryawanshi G, Ingle A.*	Cardiac Autonomic Dysfunction in Cancer Patients	ASSOPICON-2019	11 -14.09.2019	JSS Medical College, Mysuru, Karnataka
4.	Jagzape A, Shigli K.	Incorporating e- learning with Revised Bloom's Taxonomy: An odyssey from 'Known to unknown'	11 th National Conference on Health Professions Education	21-23.11.2019	KAHER's JNMC, Belagavi, Karnataka

* Dr. G. Suryawanshi (PG student) won 2nd Prize for best PG presentation in National conference of Association of Physiologist (ASSOPICON 2019).

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Assessment of Cognitive Functions & its Association with Sleep-Wake Pattern And Light at Night (LAN) Exposure Duration in Chronic Obstructive Pulmonary Disease (COPD) Patients	Principal Investigator – Dr. Babita Pandey Mentor/Guide- Dr. Meenakshi Sinha	Post Doctorate Fellowship program of Cognitive Science Research Initiative of DST, Govt. of India	2 years	2020-2022	17,20,000/-
2.	Correlation of Circadian Rhythmicity of Melatonin with Heart Rate Variability in Bronchial Asthma & its Clinical Implication	Dr. Meenakshi Sinha	AIIMS, Raipur	1yr	February 2020- January 2021	5,00,000/-
3.	Correlation Study of Endothelial Function & Biomarkers in Patients of Sickle Cell Anemia at Chhattisgarh	Dr. Ekta Khandelwal	AIIMS, Raipur	1 yr	2019-2020	4,99,000/-
4.	Association of Serum Vitamin D Status with Somatic and Autonomic Neuropathy in Prediabetics	Dr. Jayshri R. Ghate	AIIMS, Raipur	1yr	December 2018- June 2020	4,97,000/-
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	2019-2021	Non-funded
6.	Incorporating Strategy of 3 D's (Distribute, Discuss and Develop) to Enhance Small Group Experiences	Dr. Arunita Jagzape	AIIMS, Raipur	1 yr	2020-2021	Non-funded
7.	Loss of Empathy in Undergraduates of Different Medical Colleges	Dr. Ankit Gupta	AIIMS, Raipur	1 yr	2020-2021	Non-funded

Completed

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Alterations in Circadian Rhythmicity of Heart Rate Variability and Activity Cycle in Asthmatic Patients & its Implications	Dr. Meenakshi Sinha	AIIMS, Raipur (Intramural)	1 year	2018-2019	4,99,000/-
2.	Neuro-Cognitive Profile of Individuals with Morning and Evening Chronotypes at Different Times of Day (UG project)	UG student- Nanditha Venkat (MBBS 2015 batch) Guide- Dr. Meenakshi Sinha	ICMR-STC	4 months	2019	20,000/-
3.	Pattern and Profile of Endothelial Dysfunction in Patients of Sickle Cell Anemia	UG Student: Mr. Saurav Mukherjee Guide: Dr. Ekta Khandelwal	ICMR-STC	4 months	2019	20,000/-

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Neurocognitive Correlates of Polycystic Ovarian Syndrome
2.	Alteration in Neural and Cognitive Status in Asthmatic patients
3.	Influence of Body Composition Parameters on Exercise Performance in Obese Adult Males; A Cross Sectional Study
4.	Study of Arterial Stiffness Outcome In Chronic Kidney Disease
5.	Neurocognitive and Cardiovascular Correlates of Patients With Sickle Cell Anemia
6.	Circadian Rhythmicity of Neuro-Cognitive Profile of Individuals with Morning and Evening Chronotypes

Completed

S. No.	Project
1.	Effect of Psychological Intervention on Psychological and Physiological Status of Type 2 Diabetic Patients

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Assessment of Cognitive Functions & its Association with Sleep-Wake Pattern and Light at Night (LAN) Exposure Duration in Chronic Obstructive Pulmonary Disease (COPD) Patients	Dept. of Pulmonary Medicine & Dept. of Psychiatry, AIIMS, Raipur
2.	Correlation of Circadian Rhythmicity of Melatonin with Heart Rate Variability in Bronchial Asthma & Its Clinical Implication	Dept. of Pulmonary Medicine, AIIMS, Raipur and School of Life Sciences, PRSU, Raipur

S. No.	Project	Collaborating Department/Institution
3.	Assessment of Percentage Body Fat by Using Ultrasound Techniques in Adult Indian Males	Dept. of Cardio-thoracic and vascular Surgery
4.	Pattern and Prevalence of Endothelial Dysfunction In Patients of Sickle Cell Anemia	Dept. of General Medicine
5.	Cardiac Autonomic Neuropathy (CAN) in Newly Diagnosed Type 2 Diabetes Mellitus Patients	Department of Medicine, AIIMS Raipur
6.	Association of Serum Vitamin D Status with Somatic and Autonomic Neuropathy in Prediabetics' (Intramural)	Department of Internal Medicine & Department of Biochemistry, AIIMS Raipur
7.	Loss of Empathy in Undergraduates of Different Medical Colleges	Department of Physiology, K.G.M.U Lucknow, U.P

Completed

Sl. No.	Project	Collaborating department/institution
1.	Predictors of Cardiovascular Risk in Chronic Obstructive Pulmonary Disease (COPD) Patients (Extramural)	Dept. of Pulmonary Medicine, AIIMS, Raipur and Dept. of Anthropology & Regional Studies, PRSU, Raipur
2.	Effect of Psychological Intervention on Psychological and Physiological Status of Type 2 Diabetic Patients (Ph.D. Thesis)	Dept. of Psychology, PRSU & Dept. of Medicine, AIIMS, Raipur
3.	Alterations in Circadian Rhythmicity of Heart Rate Variability and Activity Cycle in Asthmatic Patients & Its Implications”(Intramural)	Dept. of Pulmonary Medicine, AIIMS, Raipur & School of Life Sciences, Centre for Translational Research in Chronobiology, PRSU, Raipur

PUBLICATIONS

- Tripathi S, **Khandelwal E**, Khandwal O. Modulation of cardiac autonomic tone in healthy neonates. NIJP; 8 (4): 178-182, October- December 2019.
- Khandelwal E**, Heart Rate Variability: Physiological modulation of Heart. Chikitsak; 3(3): 15-21, Jan 2020.
- Jagzape A, Jagzape TB. Integrated Teaching program: Incorporation of “SACK” Model. Natl J Physiol Pharm Pharmacol. 2019; 9(9): 940-945.
- Intellectual property Rights: Copyright

Title of copyright	Authors	Number
Crossword Puzzle as an Educational Game based Learning Tool for Hematophysiology	Dr. Mahendra Kumar Dr. Nilabh Ghritlahre Dr. Ankit Gupta Dr. Arunita Jagzape	Diary number: 19848/2019-Co/L Registration number: L-89884/2020

List of abstracts

- Jain M, **Sinha M**, **Sinha R**, Behera A & Mandal S. Alterations of cognitive status in asthmatic patients. Proceedings of 5th Annual National Conference of Association of Physiologists of India 2019; pp 22 : 109.
- Khandelwal E**, Suryawanshi G. **Ingle A**. Cardiac Autonomic Dysfunction in Cancer Patients. Proceedings of 5th Annual National Conference of Association of Physiologists of India 2019.

- **Ingle AS**, Kashyap N, **Khandelwal E**, Suryawanshi G. Role of Ultrasound in Understanding, Teaching & Research in Physiology. Proceedings of International Conference on Basic & Applied Physiology, 2019 at GMC, Dungapur, Rajasthan.

PATIENT CARE

- This year 125 patients and subjects were tested in Autonomic & Vascular Function Clinic & reports prepared.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. M. Sinha :

Selected as Member of Local Research Advisory Committee of Model Rural Health Research Unit ICMR-National Institute of Research in Tribal Health (ICMR-NIRTH), Ministry of Health and Family Welfare, Govt. of India. Co-ordinator for the project titled 'Prevalence of metabolic syndrome in tribal and non-tribal area of C.G.'



DEPARTMENT OF PSYCHIATRY

Additional Professor & Head

Dr. Lokesh Kumar Singh

Assistant Professors

Dr. Sucharita Mandal

Dr. Sai Krishna Tikka

Dr. Aditya Somani (joined on 21.10.2019)

Dr. Ajay Kumar (joined on 21.10.2019)

Child Psychologist

Dr. Sharda Singh

Clinical Psychologist

Dr. Supriya Mahant

HIGHLIGHTS

World Mental Health Day 2019: Keeping in mind the theme of the event for the year 2019, i.e. Suicide Prevention, several programmes/activities were organized within and outside the institute in order to improve awareness on this issue of immense public health importance. The events included lectures and gatekeeper training programmes at IIT-Bhilai, lectures and dance drama at Naveen Sarasvati Nagar Nigam Senior Secondary School, Raipur, dance drama at main registration counter of the institute, radio talk, lecture at the institute, quiz competition and creative writing competition.

The department organized a three days' state level seminar on "Approach to Intellectual Disability: Holistic Perspective" from 19 to 21.11.2019. This seminar was accredited with 18 (eighteen) continuous rehabilitation education (CRE) points by Rehabilitation Council of India, New Delhi. The seminar consisted of

lectures and workshops on topics like assessment, management, legal aspects, disability certification, medical comorbidities, speech therapy and support for parents of patients with intellectual disability. The seminar was attended by students and professionals from fields of clinical psychology, special educators, social workers and nursing officers from Chhattisgarh and adjoining states.

Dr. Sai Krishna Tikka has won the prestigious Marfatia Award of the Indian Psychiatric Society at the 72nd Annual National Conference of the society held in the month of Jan. 2020 at Kolkata. Dr. Ajay Kumar has been awarded the Indian Teachers of Psychiatry Award by Minds United for Health Sciences and Humanity Trust, a Karnataka based NGO. Faculty and staff members of the department have published 21 papers and book chapters and delivered lectures at various conferences and fora.

Others

New community outreach programmes for delivering mental health services for students and staff of IIM-Raipur and IIT-Bhilai have been started on 11.07.2019 and 03.10.2019 respectively.

EDUCATION

The department is regularly teaching residents/students pursuing MD-Psychiatry, MBBS, M.Sc.-Psychiatric Nursing and B.Sc.-Nursing at the institute. Additionally, the department has been participating in teaching students of audiology and speech-language pathology. This year, the department has taken several steps in improvising its teaching curriculum of MD-Psychiatry and MBBS courses. The semester-wise teaching structure of MD-Psychiatry has been refined and formalized. Weekly faculty lectures have been started. Working manual and logbook has been introduced. Monthly, psychosomatic case discussion with department

of Medicine have been started. For MBBS teaching, fine tuning of plan of lectures for each semester has been done. Additionally, formal structure has been given to the internship training program.

CMEs / WORKSHOP / SYMPOSIA / NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Event	Date
1.	One Day Workshop For Patients of Schizophrenia And Caregiver On World Schizophrenia Day	24.05.2019
2.	Seminar Titled “Drop The Dope”- An Awareness Event for College Students	11.07.2019
3.	Gatekeeper Training for Suicide Prevention for Students and Staff of IIT, Bhilai	28.09.2019
4.	Gatekeeper Training for Suicide Prevention for Teachers of Government School of Raipur District	01.10.2019
5.	Mental Health Awareness Programme for College Going Students was Organized on World Mental Health Day 2020- Quiz Competition, Creative Writing, Dance Drama	10.10.2019
6.	Three Days State Level Seminar On “Approach To Intellectual Disability: Holistic Perspective”	19.11.2019 to 21.11.2019

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Lokesh Kumar Singh

S. No.	Title	CME/Conference	Date	Organised by
1.	Course and Outcome of Schizophrenia	One Day Workshop On Care of Schizophrenia- For Patients of Schizophrenia and Their Care Givers	24.05.2019	Dept. of Psychiatry, AIIMS Raipur
2.	Drug Abuse in Youth	Seminar on “Drop the Dope”- An Awareness Event for College Students	11.07.2019	Dept. of Psychiatry, AIIMS, Raipur
3.	Concept of Gatekeeper Training	One Day Workshop in Gatekeeper Training for Suicide Prevention for Students and Staff of IIT, Bhilai	28.09.2019	Dept. of Psychiatry, AIIMS, Raipur
4.	Characterization and Assessment of Insomnia	Pulmonary Medicine Update 2019 (Special Focus: Sleep Disordered Breathing)	02.11.2019	Dept. of Pulmonary Medicine, AIIMS, Raipur
5.	Status of Geriatric Mental Healthcare in Public Healthcare Settings of Chhattisgarh	Two days’ workshop on Comprehensive Mental Health Care in Life Course-Action Plan	13.11.2019	Min. of Health & Family Welfare, Chhattisgarh Govt., Raipur
6.	Drug Demand Reduction Training For Community Level Stakeholders	One Day Workshop and Capacity Building on Drug Demand Reduction and Drug Abuse For Panchayati Raj Institutions Across State- Series of Talk	16.07.2019 24.07.2019 31.07.2019 27.12.2019	Thakur Pyarelal State Institute of Panchayat & Rural Development Nimora, Raipur
7.	Gatekeeper Training for Suicide Prevention in Schools	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata

Dr. Sucharita Mandal

S. No.	Title	CME/Conference	Date	Organised by
1.	Suicide Prevention	Gatekeeper Training for Suicide Prevention for Teachers of Government School of Raipur District, Saraswati Balika Nagar Nigam Vidyalaya	01.10.2019	Dept. of Psychiatry, AIIMS Raipur

Dr. Sai Krishna Tikka

S. No.	Title	CME/Conference	Date	Organised by
1.	Invited Workshop: Non-Invasive Brain Stimulation: Current Evidence for Therapeutic Use in Psychiatry	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
2.	Symposium: Gatekeeper Training for Suicide Prevention: Role of Training Medical Professionals	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
3.	Newer Gadgets in Psychiatry	39 th Andhra Pradesh Psychiatry Conference (APPSYCON)	13.07.2019	Indian Psychiatric Society, Andhra Pradesh chapter Kadapa, AP
4.	Deaddiction and Liquor Ban	Induction Training Course	12.06.2019	Chhattisgarh Prasasan Academy, Raipur
5.	UG Curriculum for Psychotic Disorders	National Workshop of Development of Competency Based Undergraduate Psychiatry Curriculum	23.09.2019	AIIMS, Rishikesh

Dr. Ajay Kumar

S. No.	Title	CME/Conference	Date	Organised by
1.	Art of Training Psychiatry Postgraduates in Bedside Clinic and Beyond	72 nd Annual National Conference of Indian Psychiatric Society	22.01.2020 to 25.01.2020	Indian Psychiatric Society, Kolkata

Dr. Sharda Singh

S. No.	Title	CME/conference	Date	Organised by
1.	Learning Disability and Its Differential Diagnosis	Learning Disabilities and Its Differential Diagnosis	29.08.2019	Composite Regional Centre, Rajnandgaon
2.	National Trust Act	National Trust Act	22.11.2019	Composite Regional Centre, Rajnandgaon

Dr. Supriya Mahant

S. No.	Title	CME/conference	Date	Organised by
1.	Methodology of Social Research	Cross Sectoral Scheme in Education, Health & Employment & Rural Development: Policy Interphase	14.07.2019	Indian Institute of Health Education & Research, Health Institute Patna

S. No.	Title	CME/conference	Date	Organised by
2.	What is Not Learning Disability and Bilingualism	Learning Disabilities and Its Differential Diagnosis	30.08.2019	Composite Regional Centre,Rajnand-gaon
3.	Strategies for Institutional Safeguards Against Abuse of Persons with Disability by Staff	Ensuring Safety for Children	04.10.2019	Lions Charitable Trust, Teachers Training Institute, Prayas Bhilai/Durg
4.	Comorbidities in Patient with Intellectual Disability	Approach to Intellectual Disability: Holistic Perspective	19 to 21.11.2019	AIIMS, Raipur
5.	Understanding and Supporting Parents of Patient with Intellectual Disability	Approach to Intellectual Disability: Holistic Perspective	19 to 21.11.2019	AIIMS, Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organised by
1.	Tikka SK , Singh BK, Nizamie SH, Garg S, Mandal S, Thakur K.	Artificial Intelligence-Based Classification of Schizophrenia: A High Density Eeg and Support Vector Machine Study*	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
2.	Mehra A, Kumar A , Grover S, Chakrabarti S, Avasthi A.	Relationship of Stigma with Burden and Coping Among Caregivers of Patients with Severe Mental Disorders#	26 th National Conference of Indian Association for Social Psychiatry	29 to 01.12 2019	Indian Association for Social Psychiatry, Bhubaneswar
3.	Saxena P, Kumar A , Kumar S.	Case report of Rare Case of Incubus Syndrome	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
4.	Singh S, Kumar A , Kumar S.	Case Report: Dyke-Davidoff-Masson Syndrome, A rare entity	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
5.	Yadav A, Kumar A , Kumar S.	Efficacy of Adjunctive Low Frequency True Repetitive Transcranial Magnetic Stimulation (rTMS) vs. Sham rTMS Over Supplementary Motor Area (SMA) in Patients with Obsessive Compulsive Disorder	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
6.	Singh C, Kumar A , Kumar S.	Use of Slow Repetitive Transcranial Magnetic Stimulation in Treatment Refractory Auditory Hallucination: A Case Report	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata
7.	Koli R, Kumar A , Kumar S.	Nymphomania and Its Psychiatric Consequences: A Rare Case Report	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata

S. No.	Authors	Presentation	Conference	Date	Organised by
8.	Singh P, Kumar A , Kumar S.	Neuropsychiatric Manifestation of Wilson Disease	72 nd Annual National Conference of Indian Psychiatric Society	22 to 25.01.2020	Indian Psychiatric Society, Kolkata

*Won the Marfatia Award

#Won the Dr. G.C. Boral Award

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	Efficacy of Brief Tobacco Cessation Intervention On Pattern and Attitudes Towards Tobacco Chewing In Newly Diagnosed Head And Neck Cancer Patients and Their Relatives: A Pilot Randomized Controlled Trial From Chhattisgarh	Dr. Lokesh Kumar Singh	State Planning Commission, Chhattisgarh	01	2019-20	3,55,125
2.	Soft Bipolarity and Biomarkers In Patients With Cannabis Use Disorder- A Controlled Family Study	Dr. Lokesh Kumar Singh	AIIMS, Raipur (Intramural)	01	2019-20	2,60,000
3.	Understanding The Role of Inflammation In Major Depression-A Pilot Study	Dr. Sucharita Mandal	AIIMS, Raipur (Intramural)	01	2019-20	5,00,000
4.	Emotional Valence, Irony Comprehension and Theory of Mind as Predictors of Relapse in Alcohol Dependence Syndrome	Dr. Sai Krishna Tikka	AIIMS, Raipur (Intramural)	2 years	2019	1,70,106

Departmental Projects (including thesis/dissertations)

Ongoing

S. No.	Project
1.	Cognitive Functioning As A Trait Marker In Cannabis Use Disorder
2.	External Ear Anomalies In Depressive Disorder - A Cross Sectional Study
3.	Retinal Structure Abnormalities And Facial Emotion Recognition In Unmedicated First Episode Psychosis

Collaborative Projects

Ongoing

S. No.	Project	Collaborating Department/Institution
1.	Development of a Multimodal Artificial Intelligent System for Detection of Endophenotypes in Schizophrenia using Automated Speech and EEG Signal Analysis.	NIT, Raipur (funded by DST-CSRI)
2.	To Evaluate The Functional, Aesthetic and Quality Of Life Outcome In Patients With Temporomandibular Joint Ankylosis Undergoing Concomitant Orthognathic Surgery With Joint Reconstruction Using Vascularized Second Metatarsal Graft: A Pilot Study	Dentistry
3.	Role Of Tc-99m Trodat In Differentiating Between Idiopathic Parkinson's Disease And Drug-Induced Parkinson's Disease	Nuclear Medicine
4.	Effectiveness of Virtual Reality Therapy On Anxiety And Symptom Distress Among Children With Cancer At Aiims, Raipur	College of Nursing

PUBLICATIONS

- Arvind BA, Gururaj G, Rao GN, Pradeep BS, Varghese M, Benegal V, **Singh LK**, et al. Framework and approach for measuring performance and progress of mental health systems and services in India: National Mental Health Survey 2015–2016. *Int J Ment Health Syst.* 2020;14(2020).
- Gautham MS, Gururaj G, Varghese M, Benegal V, Rao GN, Kokane A, **Singh LK**, et al. The National Mental Health Survey of India (2016): Prevalence, socio-demographic correlates and treatment gap of mental morbidity. *Int J Soc Psychiatry.* 2020; 66:361-72.
- Amudhan S, Gururaj G, Varghese M, Benegal V, Rao GN, Sheehan DV, **Singh LK**, et al. A population-based analysis of suicidality and its correlates: findings from the National Mental Health Survey of India, 2015-16. *Lancet Psychiatry.* 2020; 7:41-51.
- Singh LK**, Arora R, **Tikka SK**, Shukla A, **Singh S**, **Mahant S**, et al. Brief Intervention for Tobacco when Diagnosed with Oral Cancer (BITDOC): Study protocol of a randomized clinical trial studying efficacy of brief tobacco cessation intervention, Chhattisgarh, India. *Tob Prev Cessat.* 2020; 6:4.
- Mamidipalli SS, **Singh S**, **Singh LK**. An atypical case of early-onset trichotillomania - Management implications. *Asian J Psychiatr.* 2020; 48:101914.
- Arvind BA, Gururaj G, Loganathan S, Amudhan S, Varghese M, Benegal V, **Singh LK**, et al. Prevalence and socioeconomic impact of depressive disorders in India: multisite population-based cross-sectional study. *BMJ. Open* 2019; 9:e027250.
- Spoorthy MS, Godi S, **Singh LK**. Deterrent Action of Acamprosate: A Case Report. *Addict Health.* 2019; 11:276-80.
- Mandal S**, Mamidipalli SS, Mukherjee B, Hara SKH. Perspectives, attitude, and practice of lithium prescription among psychiatrists in India. *Indian J Psychiatry.* 2019;61:451-6.
- Tikka DL, Singh AR, **Tikka SK**. Social cognitive endophenotypes in schizophrenia: A study comparing first episode schizophrenia patients and individuals at clinical- and familial- 'at-risk' for psychosis. *Schizophr Res.* 2020; 215:157-66.
- Tikka DL, Singh AR, **Tikka SK**. Higher number of minor physical anomalies correlates with frequency of prodromal symptoms in youth at elevated clinical risk for psychosis. *Asian J Psychiatr.* 2020; 47:101869.
- Garg S, Agarwal R, **Tikka SK**, Khattri S. Treatment emergent affective switch with

intermittent theta burst stimulation over right temporo-parietal junction: A case report. *Brain Stimul.* 2020;13:275-6.

12. Garg S, Rakesh K, Khattri S, Mishra P, **Tikka SK**. Bipolar disorder with intellectual disability in Joubert syndrome: A case report. *Psychiatry and Clin Neurosci.* 2019;73:761-2.
13. Garg S, Gupta D, Rakesh K, **Tikka SK**. Delayed onset Post-Injection Delirium/Sedation Syndrome associated with Olanzapine Pamoate: A Case Report. *J Clin Psychopharmacol.* 2019;39:523-4.
14. Kishor M, Gupta R, Ashok MV, Isaac M, Chaddha RK, Singh OP, **Tikka SK**, et al. Competency-based medical curriculum: Psychiatry, training of faculty, and Indian Psychiatric Society. *Indian J Psychiatry.* 2020;62:207-8.
15. **Somani A**, Kar SK. Efficacy of repetitive transcranial magnetic stimulation in treatment-resistant depression: the evidence thus far. *Gen Psychiatr.* 2019;32:e100074.
16. Padhy SK, Sapkota P, **Somani A**. Tripareisis: an unusual presentation of factitious disorder. *BMJ Case Rep* 2019;12:e226869.
17. Ramesh V, Sharma A, Sharma V, **Somani A**. Treatment of catatonia in Parkinson's disease with electroconvulsive therapy. *Ann Indian Acad Neurol.* 2019;22:501-3.
18. Mehra A, **Kumar A**, Grover S, Chakrabarti S, Avasthi A. Relationship of stigma with burden and coping among caregivers of patients with severe mental disorders. *Indian J Soc Psychiatry.* 2020;36:11-8.
19. Grover S, **Kumar A**, Chakrabarti S, Avasthi A. The incidence of prolonged post-electroconvulsive therapy delirium: A retrospective study. *Indian J Psychiatry.* 2020;62:193-7.

Chapters in books

S. No.	Author(s) of Chapter	Title	Editor	Name of the Book	Edition	City of Publication	Publisher	Year of Publication	First page-Last page
1.	Singh OP, Mandal S	Bipolar Disorders	Singh PK, Singh OP, Kumar V.	IPS Textbook of UndergrAduate Psychiatry	1 st	New Delhi	Jaypee Brothers Medical Publishers (P) Ltd	2020	144-52
2.	Kar SK, Somani A	Consciousness	Shackelford TK, Weekes-Shackelford VA	Encyclopedia of Evolutionary Psychological Science	1 st	Cham, Switzerland	Springer International Publishing	2019	1-4

PATIENT CARE

(a) Facilities available in the department

1. Management of major psychiatric disorders including adult psychiatry, child psychiatry, geriatric psychiatry, substance use disorders, psychosexual disorders- In-patient/ Out-patient basis
2. Consultation – liaison and emergency psychiatric services
3. Special clinic for patients of opioid dependence- every Monday and Thursday

(b) Community services/camps

- Community outreach clinic at IIM, Raipur and IIT Bhilai. These clinics are held twice in a month in their respective campus.

Department Statistics: (from 01.04. 2019 to 31.03. 2020)

Total OPD attendance in the department was **20123**. Total 308 patients were admitted in the psychiatry ward in this duration. The special clinic attendance was 3935. The clinical psychology assessment and therapies were 494 and child psychology assessment and therapies were 840.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Lokesh Kumar Singh has served on the panel of experts which has drafted standard treatment guidelines for psychiatric illnesses for government health centers (primary care level and district level) of Chhattisgarh state.
2. Dr. Sai Krishna Tikka has been chosen as the Member Secretary, Institute Research Cell, AIIMS, Raipur. He won the prestigious Marfatia Award of the Indian Psychiatric Society at the 72nd Annual National Conference of the society held in the month of Jan. 2020 at Kolkata.
3. Dr. Aditya Somani has been serving as member of editorial board of Indian Journal of Health, Sexuality & Culture and was on the panel of experts in subject of Psychiatry of National Board of Examinations, New Delhi.
4. Dr. Ajay Kumar has been selected as the convenor of faculty training task force of Indian Psychiatric Society for the year 2020, awarded the Indian Teachers of Psychiatry award (IToP) for the year 2020, by Minds United for Health Sciences and Humanity Trust, a Karnataka based NGO, joined as assistant editor of the monthly newsletter "Minds and has been conferred life fellowship of the Indian Psychiatric Society.
5. Dr. Sharda Singh coordinated the organization of three days state level seminar on "Approach to Intellectual Disability: Holistic Perspective" in November 2019. This was the first-ever seminar in the institute which was accredited with 18 (eighteen) continuous rehabilitation education (CRE) points by Rehabilitation Council of India, New Delhi.

DEPARTMENT OF PULMONARY MEDICINE AND TUBERCULOSIS

Professor & Head

Dr. Sajal De (Joined on 10.12.2019)

Associate Professor

Dr. Ajoy Kumar Behera

Assistant Professors

Dr. Ranganath T.G.

Dr. Dibakar Sahu

HIGHLIGHTS

Zonal Task Force meeting of East Zone under the National Tuberculosis Elimination Program was conducted from 18 to 19.02.2020 at AIIMS, Raipur. Department organized 'Pulmonary Medicine Update-2019' with a special focus on sleep-disordered breathing on 02.11. 2019. The twenty-eight bedded

indoor facility including eight bedded ICU& HDU and two-bedded state of art polysomnography facility at 'D' block were inaugurated. World TB Week, sensitization activities under National Tuberculosis Elimination Programme were conducted from 13 to 14.03.2020 for Nursing Officers.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

No.	Event	Date	Organised by
1.	Zonal Task Force meeting of East Zone under the National Tuberculosis Elimination Program	18 to 19.02.2020	Department of Pulmonary Medicine, AIIMS, Raipur
2.	Pulmonary Medicine Update 2019	02.11.2019	Department of Pulmonary Medicine, AIIMS, Raipur
3.	World TB Week, Sensitization Activities for Nursing Officers under National Tuberculosis Elimination Programme	13 to 14.03.2020	Department of Pulmonary Medicine, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Ajoy Kumar Behera

Sl. No.	Title	CME / Conference	Date	Organised by
1.	Air Quality in Raipur City	Organized by SHRC State health and FW department	04.04.2019	State health and FW department Raipur
2.	Delamanid Regimen	National TOT by GOI	08.04.2019 to 10.04.2019	MOHFW, Central Tuberculosis Division, Bengaluru (CTD)
3.	Newer Drug India(2019) GOI	Modular Training on National Guidelines	02.07.2019 to 05.07.2019	MOHFW, Central Tuberculosis Division, Bengaluru (CTD)
4.	Critical Care Management	Criticon 2019	03.08.2019 to 04.08.2019	Ramkrishna Care Hospital, Raipur
5.	ILD Workshop- Interstitial Lung Disease	AIIMS-Pulmonology Course (APC) 2019	07.09.2019	AIIMS, New Delhi

Sl. No.	Title	CME / Conference	Date	Organised by
6.	Obstructive Sleep Disorders	5 th International Conference On Sleep Disorders-2019	12.10.2019 to 13.10.2019	South East Asian Academy of Sleep Medicine, Nagpur
7.	OSA	National Symposium Pulmonary Update-2019	02.11.2019	Dept. of Pulmonary Medicine, AIIMS, Raipur
8.	Endobronchial Ultra Sound	74 th NATCON	20.12.2019 to 22.12.2019	TB Association of India
9.	Comparative analysis of Lung Sound Techniques	ICPC2T-2020`	04.01.2020 to 05.01.2020	NIT, Raipur
10.	Respiratory diseases in elderly	NPHC Training by SIHFw(C.G)	15.01.2020	State health and FW department Raipur
11.	Hands -on-training of sleep disorders	Sleep Summit	08.02.2020 to 09.02.2020	Indian Sleep Association
12.	Annual TB Report of State of Chhattisgarh	ZTF (East Zone) workshop	18.02.2020 to 19.02.2020	AIIMS, Raipur
13.	Clinical Management of COVID-19 Patients	COVID-19	06.03.2020	GOI & Fw department New Delhi
14.	Update of sleep Disorders	AIIMS, Pulmonary-2020	07.03.2020 to 08.03.2020	AIIMS, New Delhi
15.	Clinical Management COVID-19	COVID-19 update	09.03.2020	State Fw Dept., C.G, Raipur

Dr. Dibakar Sahu

SL.No	Title	CME/Conference	Date	Organised by
1.	Advance titration protocol	Pulmonary Medicine Update 2019	02.11.2019	AIIMS, Raipur

Dr. Ranganath.T.G

SL.No	Title	CME/Conference	Date	Organised by
1.	Advances in PAP therapy in OSA	Pulmonary Medicine Update 2019	02.11.2019	AIIMS, Raipur
2.	Year in review: EGFR mutated metastatic NSCLC	NAALCON-2019	14 to 15.12.2019	King George's Medical University Lucknow
3.	NTEP workshop	ZTF (EAST ZONE) WORKSHOP	18-19.02.2020	AIIMS, Raipur

RESEARCH

Dr. Ajoy Kumar Behera

MD Thesis :-

S. No.	Course	Institution	Title	Duration
1	MD (Co-Guide)	AIIMS, Raipur	Alteration in Neural and Cognitive Status in Asthmatic Patients	2019-2021
2	MD (Co-Guide)	AIIMS, Raipur	Clinic Pathological & Immunohistochemical Profile of Primary Lung Carcinoma in Tertiary Care Hospital	2019-2021

Dr. Ranganth T. Ganga

MD thesis: Co-investigator

S. No.	Course	Institution	Title	Duration
1.	MD	AIIMS, Raipur	Diagnostic accuracy of lipoarabinomannan antigen testing in pleural tuberculosis cases	2019-2021
2.	MD	AIIMS, Raipur	Cliniomycological study of spectrum of pulmonary aspergillosis at AIIMS Raipur	2019-2021

Dr.Dibakar Sahu

MD thesis: Co-investigator

S. No.	Course	Institution	Title	Duration
1.	MD	AIIMS, Raipur	Genotypic and Phenotypic Differentiation and Clinico-Epidemiological Profile of Mycobacterium Tuberculosis Complex Isolates from a Tertiary Care Hospital in Chhattisgarh	2019-2021

Departmental Project:

S. No.	Project	Principal Investigator	Funded by	Duration	Start Year End Year	Total Fund Sanction
1.	ICMR's Network of Pulmonary Fibrosis(INPF)	Dr. Ajoy Kumar Behera	ICMR, New Delhi	5 years	2020-2025	45.3 lakhs
2.	National Environmental Health Profile study	Dr.Ajoy Kumar Behera	Ministry of Environment, Forest & Climate Change	3 years	2019-21	52.67 lakhs
3.	Therapeutic efficacy of Yoga on Biochemical profile, anxiety and sleep quality index of asthma patients – Pilot project.	Dr. Ajoy Kumar Behera	AIIMS, Raipur (Intramural)	1 Year	2019-20	5 lakhs
4.	Assessment of Cognitive Functions And Its Association With Sleep-Wake Pattern And Light At Night (Lan) Exposure Duration In Copd Patients.	Dr. Ajoy Kumar Behera as Co-PI	Post-doctorate fellowship of cognitive science research initiative of DST, Govt of India	2 years	2019-2021	17.2 lakhs
5.	Evaluation of Fluorescein Diacetate Viability Staining During Follow Up Examination of Smear-Positive Pulmonary Tuberculosis.	Dr. Ajoy Kumar Behera as CO-PI	NTEP, AIIMS Raipur	1 Year	2019-20	2 lakhs

PUBLICATIONS

- De Sajal, Banerjee N, Kushwah GDS, Dharwey D. Regression equations of respiratory impedance of Indian adults measured by forced oscillation technique. Lung India. 2020;37:30-36. (PMID: 31898618).
- De Sajal, Banerjee N, Tiwari RR. Regression Equations of Respiratory Impedance Measured by Forced Oscillation Technique for Indian Children. Indian J Pediatr. 2020;87:192-199. (PMID: 31863388).
- Jain M, Sinha M, Sinha R, Behera AK, Mandal S. Alternations of Cognitive status in asthmatic patients. Annual conference of association of physiologists of India. 2019; 5th volume, 22.

4. Singh D, Singh BK, Behera AK. Comparative Analysis of Lung sound Diagnosing Techniques. ICPC2T, 1ST IEEE International Conference.2020; 1st Volume,41.
5. Varikasuvu SR, Dutt N, Sahu D. Obstructive sleep apnea and the effect of CPAP treatment on ischemia-modified albumin levels: a multi-effect size meta-analysis with diagnostic test accuracy. Sleep Breath. 2019; 1:179-191. (PMID: 29948857.

PATIENT CARE

A. Facilities available in the department.

The Department of Pulmonary Medicine is providing OPD and IPD services, respiratory critical care, bronchoscopy, polysomnography, pulmonary rehabilitation, and 24 hr Emergency services.

1. OPD Services & IPD Services

Services	Total OPD patients	Total IPD patients
Total Patients	19932	1069

2. Special clinic –

No.	Special clinic	Total patients
1.	Asthma and Allergic clinic	199
2.	ILD Clinic	31
3.	Sleep Disorders Clinic	108

3. Investigations and procedures-

No.	Procedures	Total patients
1.	Pulmonary function test	3464
2.	Polysomnography	48
3.	Bronchoscopy	351

4.

NTEP	Total slide examined	Positive cases	Patients put on DOTS
Total Patients	4195	154	132

AWARDS, HONOURS AND SIGNIFICANT EVENTS:

Dr. Ajoy Kumar Behera was selected as Nodal Officer for COVID-19 in AIIMS, Raipur during COVID Pandemic, selected as Principal Investigator in ICMR Research Network on Pulmonary Fibrosis (INPF) by ICMR New Delhi, selected as State Task Force (STF) Chairperson For NTEP by Central TB Division, New Delhi and nodal officer for Swine Flu (H1N1) in AIIMS, Raipur. He was the organizing Chairperson for Zonal Task Force (ZTF- East Zone) NTEP Workshop in AIIMS, Raipur and for National Symposium Pulmonary Medicine Update-2019. He was a Chair Person in AIIMS Pulmonology Course (APC) for ILD Management in AIIMS, New Delhi. He was a Master Trainer for National Programme for the Elderly by Health & FW Govt. of Chhattisgarh, for COVID-19 Management in the State of Chhattisgarh and for National TOT by Govt. of India in Management of PMDT.



DEPARTMENT OF RADIO-DIAGNOSIS

Professor & Head

Dr. Narendra Kuber Bodhey

Assistant Professor

Dr. Saroj Kumar Pati

HIGHLIGHTS

The department of Radiodiagnosis is now well equipped with all state of the art equipments like, Digital Radiography (1000 mAs DR), Digital radiofluoroscopy (DRF) commissioned in July 2019, Doppler USGs, Multidetector CTs (128 slice and 256 slice), Digital Substraction Angiography, MRI 3 tesla, Digital Mammography system, Digital OPG, Portable Xray machines, Computed Radiography system. DRF was newly installed and commissioned on July 2019 and added to the existing services of the department. This equipment enables the dynamic

contrast imaging like sinogram, barium swallow, urethrograms, and many more in addition to the routine radiography. In addition to the infrastructure development the post graduate MD incumbents in Radiology were 10 by the end of March, 2020. The department also started a one year post doctoral certificate course (PDCC) in cardiothoracic and vascular imaging and interventional radiology 2 seats per year from July, 2019. BSc Radiography was also started in August, 2019 with intake of 5 seats per year.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Prof. (Dr.) Narendra Bodhey

S. No.	Title	CME/Conference	Date	Organised by
1.	Proffered Papers: Chairperson	Session on Proffered Papers at the 12 th Annual IRIA CG State Chapter conference 12-13 Oct, 2019	12.10.2019	Indian Radiological and Imaging Association, Chhattisgarh Chapter
2.	Medical Image Processing	STTP On Medical Image and Signal Processing- IV Organized by the Department Of Computer Engineering And Electrical Engineering At NIT Raipur Between 14-19 th October, 2019.	14.10.2019	Department of Computer Engineering and Electrical Engineering, NIT, Raipur
3.	Radiology Perspective of Medical Image processing	STTP on Machine Learning Applications in Biomedical Signal and Image processing 2-6 th March, 2020	02.03.2020	Department of Biomedical Engineering, NIT, Raipur

Conferences:

Dr. Saroj Kumar Pati

- 12th annual conference of Indian Radiological & Imaging Association (IRIA) CG chapter 12-13 October, 2019.
- 73rd Annual Conference of Indian Radiological & Imaging Association (IRIA) held in January 23 to 26 at Ahmedabad.

RESEARCH

Departmental Projects (including thesis/dissertations)

On-going

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 Enhanced 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 Lesions on Multiparametric MRI.

Collaborative Projects

On-going

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.	Deep Learning Based Corpus Callosum Segmentation and its Application In Detection of Diseases	Dept of Electronics & Telecommunication, National Institute of Technology, Raipur
3.	Automated Detection of Blood Vessels and Airways in CT Images of the Lung	Dept of Electrical Engineering, National Institute of Technology, Raipur
4.	Estimation of Plasma Interleukin-33 Level in Sickle Cell Disease Patients with Hip Osteonecrosis	Dept of Orthopaedics, AIIMS Raipur
5.	Randomised Control Trial Comparing Ultrasound Guided Therapeutic Transcutaneous Aspiration and Slandered Incision Drainage (I & D) in PVL Toxin Producing Staphylococcal Aureous Superficial Soft Tissue Abscess In Paediatric Patients: A Hospital Based Pilot Study	Dept. of Paediatric surgery, AIIMS Raipur.

PUBLICATIONS

1. Kushangi Atrey, Yogesh Sharma, **Narendra K. Bodhey**, Bikesh Kumar Singh, Breast cancer prediction using dominance-based feature filtering approach: A comparative investigation in machine learning archetype. Brazilian Archives of Biology and Technology: e19180486, 2019, 1-15.

PATIENT CARE

The patient care services have been ever increasing in number. The total number of investigations in this year were:

X-rays	USG with Doppler	Mammography	CT Scans (with more than 320 CT angiographic procedures)	MRI (including all special MRI MR spectroscopy, perfusion MRI)	Procedures including DSA and 318 other image guidance	Digital OPG	Portable X-rays	Radiology OPD attendance for procedures and follow up
93073	10221	252	10434	2766	318	3315	7478	150

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Narendra Bodhey

- Member of the Academic Committee of the Dept of Biomedical Engineering, National Institute of Technology, Raipur.
- Reviewer on the American Journal of Roentgenology, Indian Journal of Radiology and Imaging, Annals of Cardiac Anaesthesia.
- He is Guide/Supervisor for the PhD projects at NIT Raipur and reviewer of the papers presented at the International Conference on Biomedical Engineering Science and Technology.

2. **Dr. Surinder Singh**, PG Junior Resident, presented oral paper at 12th annual conference of IRIA CG chapter 2019 on “Assessment of ventricular function and late gadolinium enhancement patterns in patients of non-ischemic cardiomyopathy with 3Tesla MRI” where **he won first prize**.

3. Dr. Mousam Panigrahi, PG Junior Resident, presented e-poster at 12th annual conference of IRIA CG chapter 2019 on “Papillary meningioma with prominent flow voids) where **he won first prize**.

4. Dr. D. Karthika, PG Junior Resident, presented e-poster at annual conference of IRIA CG chapter 2019 on “Thoraco-omphalopagus diagnosed on antenatal ultrasound – A case report” where **she won second prize**.



The new Digital Radiofluoroscapy Luminous DRF max (Siemens) installed in the department of Radiodiagnosis

DEPARTMENT OF RADIOTHERAPY

Associate Professor

Dr. Siddhartha Nanda

HIGHLIGHTS

Linear Accelerator based External Beam Radiotherapy treatment is going on at our department for cancer patients. We are presently treating patients with Elekta Versa HD LINAC system. We are using Volumetric Arc Therapy, Intensity Modulated Radiotherapy (IMRT), 3 Dimensional Conformal

Radiotherapy (3D CRT), conventional radiotherapy and Electron Beam therapy for patients. The department is performing adjuvant, postoperative and concurrent chemo-radiotherapy as per indications. Palliative radiotherapy is also being carried out in the department.

EDUCATION

- 1) Junior Residents posted in the department are trained in handling OPD patients and administering chemotherapy. They are also trained on how to simulate patients who are undergoing radiotherapy.
- 2) During the posting of nursing student they were taught basics of Oncology and are given practical training on preparation and delivery of cytotoxic chemotherapy agents.

CMEs/Workshops/Symposia/National and International Conference

The department jointly organised the World Cancer Day Celebrations on 04.02.2020 at AIIMS Raipur in collaboration with the Nursing College, which was followed by a full day CME on 'Patient Safety and Quality Care' in Nursing College.

Lectures delivered at CMEs, National and International conference

Dr. Siddhartha Nanda

S. No.	Title	CME/conference	Date	Organised by
1.	Importance of World Cancer day an Introduction	World Cancer Day Celebration & CME	04.02.2020	Dept. of Radiotherapy, AIIMS Raipur

RESEARCH

On-going

S. No.	Project	Principal Investigator	Funding Agency	Duration (years)	Start year-End year	Total funds sanctioned (Rs)
1.	Pegfilgrastim Induced Bone Pain Incidence: A Prospective Institutional Study	Dr. Siddhartha Nanda	AIIMS, Raipur	02 yrs	2020 - not yet completed	4,91,150

Departmental projects: (including thesis/dissertations)

On-going

S. No.	Project
1.	Prevention of Extravasation of Chemotherapeutic Agents by Infusing Normal Saline Prior to Starting Chemotherapy
2.	Clinico-Epidemiological Patterns of Breast Cancer Patients Attending a Tertiary Care Hospital in Central India

Collaborative Projects

On-going:

S. No.	Project	Collaborating Department/Institution
1.	Triple Negative Breast Cancer; Immune Histo- Chemistry Based Genomic Profiling and Correlation with the Histomorphology and Outcomes.	Radiotherapy, Pathology
2.	Hospital Based Cancer Registry, AIIMS, Raipur Collaboration with NCDIR	Radiotherapy, ENT and Head & Neck Surgery, Pathology
3.	Role of 18f-Fdg Pet/Ct In Initial Staging and Prediction of Bone Marrow Involvement in Patients with Newly Diagnosed Lymphoma in Correlation with Bone Marrow Study	Radiotherapy, Nuclear Medicine

Completed:

S. No.	Project	Collaborating Department/Institution
1.	Assessment Of Baseline Cardiac Autonomic Functions In Cancer Patients	Radiotherapy, Physiology
2.	Profile of Cardiovascular Autonomic Dysfunction In Breast Cancer Patients	Radiotherapy, Physiology

PUBLICATIONS:

- Shrivastava A K, **Nanda S.** Double Primary Malignant Tumor in a Centenarian Female: Case Report and Review of Literature. Nepal J Ophthalmol **2019**; Vol 11 (22): 223-226

PATIENT CARE

- Total of 4039 patients have been treated during reporting period. They received Radiotherapy/chemotherapy/supportive/follow up care in the current year at Day Care.
- The department is equipped to evaluate and diagnose and treat various cancer patients. The department has a functional day care for management of patients on Chemotherapy. Regular follow up of treated patients is also carried out for all our patients. Routine radiotherapy was also provided to patients as per indication.
- We also provide blood transfusion and supportive care.
- Pain management is also done for terminally ill patient.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

Dr. Siddhartha Nanda, Head & Neck and Gynaecological Cancers”

- Underwent Training for Hospital Based Cancer Registry at National Centre for Disease Informatics and Research from 20 to 23.08.2019 at Bangalore.
- Participated in Research Methodology training from 29 to 31.08.2019 at AIIMS, Raipur.
- Participated in Ayushman Bharat Package 2 meeting with State Nodal Authority on 22.10.2019 and 07.11.2019 as Technical Expert.
- Participated in MPCG AROICON from 22.02.2020 to 23.02.2020 at Pt. JNMMC, Raipur and a Chaired a Session on Basics of Radiobiology.
- Treasurer Chhattisgarh State Oncologists Association

DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK

Associate Professor & Head

Dr. Sankalp Sharma

Associate Professor

Dr. Ramesh Chandrakar

Assistant Professor

Dr. Minal Wasnik

HIGHLIGHTS:

The Department of Transfusion Medicine & Blood Bank successfully completed inspection of new Blood Bank premises at A1-Block Ground Floor and has shifted at new premises. The old Blood Bank premises will be functional as Blood Storage Unit shortly. The Department has a fully functional component Blood Bank with Apheresis for platelets and plasma and a license for Peripheral Blood Stem Cell harvesting by Apheresis Technique. The Department has three post-graduate students for the MD (Transfusion Medicine) program in its panel.

The Department has also successfully submitted the curriculum of B.Sc. (MLT). The course has started with initial intake of eight students. The coordination with the clinical departments is undertaken with periodic meetings in the form of Hospital transfusion committee and Sickle Cell Committee respectively.

The Department is conducting regular Voluntary Blood Donation Camps in collaboration with various institutions, colleges like Government Science College, several voluntary donor organizations and other organizations like CRPF, GSI, etc.

EDUCATION

Interdisciplinary meeting of faculty members was held successfully by the Department. The Department also standardized an Inter-departmental Standard Operating procedure for an easy availability of Blood Units from the Department along with Blood donation protocols of the Department. This SOP was then disseminated through the Inter-departmental meetings to the Faculty Members, Residents and Nursing Officials respectively.

LECTURE DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Sankalp Sharma

S. No.	Title	CME/Conference	Date	Organised by
1.	Challenges and difficulties in Cross Match in Multi-transfused Patients and its resolution.	Wet Workshop on Immuno-hematology Asian Association of Transfusion Medicine (AATM) Program	01.02.2020	Balco Medical Centre (BMC), Naya Raipur

ORAL PAPERS/POSTERS PRESENTED

S. No.	Authors	Presentation	Conference	Date	Organized by
1.	Sharma S., Verma, A.	An Analysis of Blood Transfusion as a Risk Factor for Morbidity and Mortality Among the Elective Surgical Patients	30th Regional Congress of the ISBT	16 to 19.11.2019	International Society of Blood Transfusion, Bangkok

S. No.	Authors	Presentation	Conference	Date	Organized by
2.	S Lahare, M Wasnik, R Chandrakar, M Wasnik, S Sharma.	Analyzing Antibody Screening and Identification in Admitted Patients in a Tertiary Health Care System and Also Studying Gender wise Distribution	30th Regional Congress of the ISBT	16 to 19.11.2019	International Society of Blood Transfusion, Bangkok
3.	Wasnik M, Lahare S, Chandrakar RK, Sharma S.	A retrospective study of prevalence of transfusion transmitted infections and response to notification among blood donors	8th Annual Conference of Indian Society of Transfusion Medicine, TRANSMEDCON 2019	08 to 11.01.2020	Indian Society of Transfusion Medicine, Mumbai
4.	Wasnik M, Lahare S, Chandrakar R, Jagzape T	Mixed Type Autoimmune Hemolytic Anemia in a Pediatric Patient.	30th Regional Congress of the ISBT, Conference of International Society of Blood Transfusion	16 to 19.11.2019	International Society of Blood Transfusion, Bangkok
5.	Wasnik M, Lahare S, Kashyap N, Chandrakar R.	Febrile Non Haemolytic Transfusion Reaction Associated Mortality in a Cardiac Patient	30th Regional Congress of the ISBT, Conference of International Society of Blood Transfusion	16 to 19.11.2019	International Society of Blood Transfusion, Bangkok
6.	Jain A., Chandrakar R, Sharma S, Wasnik M,	Adverse donor reactions during blood donation in a tertiary health care center	Transmedcon 2019	09 to 11.01.2020	Indian Society of Transfusion Medicine, Mumbai
7.	Dubey R, Sharma S, Chandrakar R, Wasnik M, Lehere S, Verma A, Patel M, Majid J	Evaluating the trend in donor deferral after implementation of new guidelines for blood donor selection	30 th Regional Congress of the ISBT, Conference of International Society of Blood Transfusion	16 to 19.11.2019	International Society of Blood Transfusion, Bangkok

RESEARCH

Funded Projects

Ongoing

S. No.	Project	Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year-End year	Total funds sanctioned (Rs.)
1.	To Analyze the Hemostatic Parameters of Platelets and Fresh Frozen Plasma Transfusion among the Children during the First Two Years of Life and Propose Best Practice Recommendations for the Age Group	Dr. Sankalp Sharma	AIIMS, Raipur	1	2019 To 2020	2.5 Lakhs

Completed

S. No.	Project	Principal Investigator	Funded by (Name of funding agency)	Duration (years)	Start year- End year	Total funds sanctioned (Rs.)
1	To Analyse the Effect of Standardizing Blood Dosage in a Blood Transfusion Recipient and Compare with the Control Group for Adequacy of Transfusion.	Dr. Sankalp Sharma	Intramural AllMS, Raipur	01	20.12.2018 To 20.12.2019	5,00,000

Departmental Projects (including thesis/dissertations)

Ongoing

S. No	Project
1.	To Study Multiple Blood Transfusion Recipient Sickle Cell Disease Patient for Allo-Immune Status
2.	Study between Suprascapular Nerve Block Versus Platelet Rich Plasma in the Treatment of Adhesive Capsulitis of Shoulder Joint
3.	Study of Prevalence of Major Rh (Rhesus) Blood Group System Antigens in Donors at A Tertiary Health Care Center in Central India

Completed:

S. No.	Project
1.	To Formulate a Baseline Threshold of Hemoglobin in a Population for the Initiation of Prophylactic or a Therapeutic Intervention in the form of RBC Blood Transfusion. A Retrospective Observational Study

Collaborative Projects

S. No.	Project	Collaborating Department/Institution
1.	A Study of the Role of Platelet Rich Plasma in the treatment of Knee Osteoarthritis	Department of Orthopedics

Papers published:

- a. Wasnik M, Lahare S, Chandrakar RK. A case report on uncommon A2 subtype of blood group A. *Indian J Case Reports*. 2019; 5(1):39-40.
- b. Wasnik M, Lahare S, Chandrakar R, Jagzape T. P-218: Mixed Type Autoimmune Hemolytic Anemia in a Pediatric Patient. *Vox Sanguinis* (2019) 114 (Suppl 2): 5-135.

Abstracts Published in Journals:

- a. Sharma, S., & Verma, A. (2019). Abstract of 30th Regional Congress of the ISBT. *Vox Sanguinis*, P-301; 114(S2), 121. doi: 10.1111/vox.12847
- b. Dubey, R., and Sharma S. "Abstract of 30th Regional Congress of the ISBT." *Vox Sanguinis*, vol. P-052; 114, no. S2, 2019, pp. 48-49., doi:10.1111/vox.12847.
- c. S Lahare, R Chandrakar, M Wasnik, S Sharma. "Abstract of 30th Regional Congress of the ISBT." *Vox Sanguinis*, vol. P-210; 114, no. S2, 2019, pp. 48-49., doi:10.1111/vox.12847.

- d. S Lahare, M Wasnik, R Chandrakar, M Wasnik, S Sharma. “Abstract of 30th Regional Congress of the ISBT.” *Vox Sanguinis*, vol. P-226; 114, no. S2, 2019, pp. 48–49., doi:10.1111/vox.12847.
- e. Wasnik M, Lahare S, Kashyap N, Chandrakar R. P-311: Febrile Non Haemolytic Transfusion Reaction Associated Mortality in a Cardiac Patient. *Vox Sanguinis* (2019) 114 (Suppl 2): 5–135.
- f. Dubey R, Sharma S, Chandrakar R, Wasnik M, Lehere S, Verma A, Patel M, Majid J. P-052: Evaluating the trend in donor deferral after implementation of new guidelines for blood donor selection. *Vox Sanguinis* (2019) 114 (Suppl 2): 5–135.

PATIENT CARE

Total Number of Voluntary Blood Donation Camps Organized	Total Number of Blood Units Collected in Camps	Total Blood Collection	Total Number of Transfusions Done	Total number of Free Blood Units Supplied			Total Number of Whole Bloods Issued	Total Number of PRBC Issued	Total Number of FFP Issued	Total Number of Platelets Concentrate	Total Number of SDP
				Sickle Cell Patients	Thalassemia Patients	Hemophilia Patients					
21	672	3214	5219	187	14	85	257	2803	1529	451	8

AWARDS, HONOURS AND SIGNIFICANT EVENTS

- Blood Bank acquired its Blood Bank renewal and change of premises License for Whole Blood, Blood Components and Apheresis valid till 05.05.2025.
- The Department of Transfusion Medicine and Blood Bank has a Memorandum of Understanding with the Red Cross Society Blood Bank for the exchange of Surplus Blood Units and a rate contract for sending the surplus plasma for Fractionation respectively.
- Dr. Sankalp Sharma has been nominated to attend the annual meeting of the State Blood Transfusion Council for Financial Year 2019-2020.
- Dr. Ramesh Chandrakar has been nominated as member from AIIMS, Raipur for Chhattisgarh State level Committee for implementation of various health Schemes (like DKBSSY & MVSSY) under Chhattisgarh State Nodal Agency.
- He was also nominated as Deputy Medical Superintendent, AIIMS, Raipur with Nodal Officer for Laboratory services, PM-JAY Ayushman Bharat Scheme, Ambulance services and Medical Reimbursement, represented AIIMS, Raipur as Nodal Officer Ayushman Bharat PM-JAY in “Conference for implementation of Ayushman Bharat PM-JAY at New Delhi in March 2020 organized by National Health Authority, Govt of India, nominated as member of ‘Rogi Kalyan Samiti’ of AIIMS Raipur, participated in National Training Workshop for Blood Bank Officials under Haemovigilance Programme of India organized by National Institute of Biologicals, MoH&FW, and Government of India in August 2019.
- He was the organizing secretary of CME cum workshop on “Laws Applicable to Hospitals case studies on challenges & possible solutions” held at AIIMS, Raipur in February 2020.
- Dr. Saurabh Lahare, Blood Transfusion Officer was invited as trainer in CME cum wet workshop from AATM at BALCO Medical Center, New Raipur.
- Senior Resident, Dr. Rounak Dubey has been appointed as Telegraft Junior Associate Editor of International Society of Cell and Gene Therapy ISCT newsletter.

- The Department of Transfusion Medicine & Blood Bank has been awarded prize for its efforts for “Bio-Medical waste Management” on 26.01.2020.



Blood Donation Camp at Blood Bank AIIMS Raipur

DEPARTMENT OF TRAUMA AND EMERGENCY

Assistant Professors

Dr. Niraj K. Srivastava (Head)

Dr. Chandan K. Dey

Dr. Varun Anand

Dr. Santosh K. Rathia
(Joined on 07.08.2019)

Dr. Sandeep Kumar
(Joined on 09.09.2019)

HIGHLIGHTS

Two more faculties have joined the department in year 2019 (one is Pediatrician and another one is Orthopedic surgeon).

25,978 patients were registered in department of trauma and emergency in 2019. 1,872 emergency surgical operations performed in operation theater. 74 major operations done by Dr. Niraj K. Srivastava. Pediatric Emergency has been started at A block, ground floor on 27.08.2019. Trauma and Emergency Surgery OPD at C1 block, 1st floor has been started from 18.02.2020. The Department has introduced one year certificate course of 'Pre-Hospital Trauma Technician' in

session 2019 from 05th September 2019. Total five candidates have joined the course in the year 2019-20. The department imparted training to nursing students and security staffs of AIIMS in Basic Emergency Care (BEC) including BLS. Imparted regular training, teaching and clinical demonstration to junior residents and interns of trauma and emergency. The Department is providing 24x7 dialysis services exclusively for emergency patients started at trauma ward at first floor(dated 07.08.2019 onwards). 1576 point care ultrasound have been done during patient management.

EDUCATION

1. The department has successfully participated in Internship Induction Programme and delivered training to MBBS interns in Basic Emergency Care (BEC) with hands-on.
2. Under graduates were trained in life saving procedures at real resuscitation bay.
3. Concept and importance of triaging and intubation taught to junior residents, interns and undergraduates.
4. Basic Emergency Care (BEC) training given to undergraduates and nursing students.
5. Clinical teaching, demonstration of emergency instruments and approach to deal trauma & emergency cases were taught to 6th & 8th semester MBBS students, as per the schedule.
6. Regular theory lectures on emergency and trauma (adult & pediatrics) were taken to 6th semester MBBS students.
7. The Department has started academic activity for Junior Residents and nursing staff.
8. Dr. Santosh K Rathia is doing fellowship in Pediatric Emergency from Academic College of Emergency Experts (ACEE) in the current year.
9. Dr. Chandan K. Dey is doing fellowship in emergency medicine (EM-ACEE) in the session 2019-20.

CMEs/WORKSHOP/SYMPOSIA/NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	Date	Organised by
1.	Pediatric Resuscitation Training Given to Nursing Officers, Medical Officers of CG State Government and Post Graduate Students	22.08.2019	Department of Trauma and Emmergency, AIIMS, Raipur
2.	Basic Life Support (BlS) Training for Security Staffs (In 4 Sessions)	27.05.2019 28.05.2019 14.11.2019 18.11.2019	Department of Trauma and Emmergency, AIIMS, Raipur

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

S. No.	Title	CME/Conference	Faculty Name	Date	Organised by
1.	Upper Gi Bleed In Resource Limited Settings	EM India 2019 (guest lecturers)	Dr. Niraj K Srivastava	04.08.2019	AIIMS, Delhi
2	Is Meshalways Necessary For Temporary Abdominal Wall Closure	EM India 2019 (guest lecturers)	Dr. Niraj K Srivastava	04.08.2019	AIIMS, Delhi
3	Carbon Monoxide Poisoning	EM India 2019 (guest lecturers)	Dr. Chandan K Dey	04.08.2019	AIIMS, Delhi
4	Job Role of Aapdasahayak	Health sector skill council	Dr. Chandan K Dey	06.06.2020	E- meeting(CII)
5	Basic Emergency Care and Facility Resuscitation	State Institute of Health and Family Welfare Raipur (CG Health department)	Dr. Varun Anand	08.08.2019	SIHFW

PUBLICATIONS

- Srivastava NK**, Singh S, Mohanty D. Suprapubic contracture and lower limbs fusion after thermal burn in a child: a rare presentation of common complication. *International Journal of Medical Science and Current Research*. 2019; 2 (5): 117-20.
- Haruhiko Ishioka, Katherine Plewes, Rajyabardhan Pattnaik, Hugh W F Kingston, Stije J Leopold, M Trent Herdman, et al. Associations Between Restrictive Fluid Management and Renal Function and Tissue Perfusion in Adults With Severe Falciparum Malaria: A Prospective Observational Study. *The Journal of Infectious Diseases*.2020; 221(2): 285-92. <https://doi.org/10.1093/infdis/jiz449>
- Vipul Chaudhary, **Varun Anand**, Pamela Singh. Rotavirus: A co-relation of animals and human. *Journal of Entomology and Zoology Studies*. 2019; 7(3): 164-166.
- Siddhu S, Kondekar A, **Anand V**, Das N, Detroja M. Bile acid synthesis defect (5B-reductase deficiency) - a rare cause of cholestasis in an infant. *Int J Pediatr Res*. 2019;6 (05):262-266. doi:10.17511/ijpr.2019.i05.11
- Beck P, **Rathia S K**, Phuljhele S, Kurrey S. Diagnostic efficacy of sepsis-screen parameters (individual and combined) compared to blood culture, and clinico-etiological profile of neonatal sepsis in preterm newborns. *Int JPediatr Res*. 2019; 6(07):372-380.doi:10. 17511/ijpr.2019.i07.10
- Rao B. N, **Rathia S K**, Phuljhele S, Verma Y. K, Amle D. Incidence, risk factors, clinical

profile, and determinants (affecting outcome) of new onset acute kidney injury developing in critically ill patients in pediatric intensive care

unit of a tertiary hospital in middle India. Int J Pediatr Res. 2019;6(05):252-261.doi:10.17511/ijpr. 2019.i05.10

PATIENT CARE

Total Registered Patients (April 2019 - March 2020)	Emergency Surgical Operations	Major Operations
25,978	1,872	74

AWARDS, HONOURS AND SIGNIFICANT EVENTS

1. Dr. Niraj Srivastava passed DNB General Surgery-2019.
2. Dr. Varun Anand passed fellowship in Pediatric Emergency Medicine.



BLS & PALS training of PGs, JRs, NOs and MOs of CG Govt.



BLS/ATLS training in LT 1

DEPARTMENT OF UROLOGY

Associate Professor & Head

Dr. Amit R. Sharma

Assistant Professors

Dr. Deepak Kumar Biswal

Dr. Satyadeo Sharma

HIGHLIGHTS

The department of Urology at AIIMS Raipur was started in July 2018. The department provides a whole range of comprehensive and efficient services for the management of urological problems.

With complete range of state-of-the-art facilities, the department performs minimally invasive procedures for stone diseases, endourology, uro-oncology, female urology, complex urological reconstructive procedures, transrectal ultrasound and biopsy of prostate. At

present, it is the only centre in government set-up which provides laparoscopic radical cystectomy with neo-bladder reconstruction, laparoscopic radical prostatectomy and laparoscopic partial nephrectomy for various urological malignancies. The department provides complex reconstructive surgeries for various congenital and acquired urological anomalies including surgeries for pelvi-ureteric junction obstruction, vesico-ureteric reflex, urethroplasty, surgeries for neurogenic bladder.

M.Ch. residency program in Urology has been approved from the year 2020.

EDUCATION

The department provides training of Senior and Junior Residents in management of common urological procedures and patient care.

LECTURES DELIVERED AT CMEs, NATIONAL & INTERNATIONAL CONFERENCES

Dr. Amit Sharma

S. No.	Title	CME/Conference	Date	Organised by
1.	Laparoscopic Radical Nephrectomy: Illustrated Step-wise	Monthly Meeting of Chhattisgarh Urology Society	October 2019	Chhattisgarh Urology Society
2.	Trouble Shooting in Laparoscopic Urology	Annual Conference, CUSAC-2019	24.11.2019	Chhattisgarh Urology Society

Dr. Deepak Biswal

S. No.	Title	CME/Conference	Date	Organised by
1.	Retroperitoneoscopic Simple Nephrectomy: Illustrated Step-wise	Monthly meeting of Chhattisgarh Urology Society (CUS)	October 2019	Chhattisgarh Urology Society
2.	Multi-drug Resistant Urinary Tract Infection	Annual Conference, CUSAC-2019	24.11.2019	Chhattisgarh Urology Society

RESEARCH

Collaborative Projects:

Ongoing:

S. No.	Project	Collaborating Department/Institution
1.	Efficacy and safety of Tadalafil 5mg versus Tamsulosin 0.4mg in men with lower urinary tract symptoms associated with benign prostatic hyperplasia: A randomized active comparator controlled, open label, parallel group clinical trial.	Department of Pharmacology Department of Surgery
2.	Characteristic of Prostatic Lesions on Multiparametric MRI – An Institutional Study	Department of Radiodiagnosis
3.	Characteristic of Renal Lesions on Multiparametric MRI – An Institutional Study	Department of Radiodiagnosis
4.	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

PUBLICATIONS

- Sharma A**, Parab S, Goyal G, Patel A, Andankar M, Pathak H. A single-centre experience of the management of inguinal lymph nodes associated with penile squamous-cell carcinoma. *Jour Clinical Urol*. Published online 7th Jul 2020. <https://doi.org/10.1177/2051415820939407>
- Agrawal V, **Sharma A**, Andankar M, Pathak H. Factors predicting success of laparoscopic adrenalectomy: Our Experience. *World J Lap Surg* (Accepted for publication).

Chapters in books

1) **Sharma A**, Chaudhari R, Shaikh I, Desai R, Andankar M, Pathak H. Discussion on: Repair of Complex Vesicovaginal Fistula with Gracilis Muscle Interposition Flap. P. Veeramuthumari (editor). *New Insights into Disease and Pathogen Research Volume 5*. London:Book Publisher international; 2020: 86-90.

S. No.	Author(s) of Chapter	Chapter	Name of the Editor	Name of the Book	Edition	City of Publication	Publisher	Year of Publication	First page- Last page
1	Sharma A , Chaudhari R, Shaikh I, Desai R, Andankar M, Pathak H.	Discussion on: Repair of Complex Vesicovaginal Fistula with Gracilis Muscle Interposition Flap	P. Veeramuthumari	New Insights into Disease and Pathogen Research	Volume 5	London	Book Publisher International	2020	86-90

PATIENT CARE

April 2019 to March 2020	OPD	IPD	Major OT			Minor OT	Emergency Procedures	Office Urological Procedures			
			Open Surgical Procedures	Laparoscopic Procedures	Endo-urological Procedures			Supra-pubic Cystostomy	PIPE Test	Uroflowmetry	Others
Total Number of Patients	9844	364	77	56	118	362	34	48	43	1145	860

The department of Urology has 30 bedded indoor facility at 3B1 3rd floor C block of Hospital Building. The department has 2 modular operation theatres in B BLOCK Super-specialty operation theatre complex. The Department provides **OPD** Services 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 • Men Health Clinic
Friday	<p>TRUS guided prostate biopsy.</p> <p>Vascular access/CAPD insertion or removal for prerenal transplant patients.</p>
Saturday	Office Urological Procedures.

CENTRAL LIBRARY

To serve as a knowledge hub for the Institution. A teacher engaged in research/teaching can update with recent information, and can also inculcate a spirit of inquisitiveness and freedom of thought in students to inculcate reading habits among the students and teaching community. The Central

Library is part of the institution since its inception in 2013. The Institute has an excellent Central Library spanned over 3 floors and seating capacity of 250 persons. Library has very rich collection of books/journals of Medical and Nursing courses. At present 8000+ books are housed in the library.

Library Committee

1	Dr. Eli Mohapatra	Chairperson Library Committee
2	Dr. Ekta Khandelwal	Member-Secretary Library Committee
3	Dr. Santhosh Rao	Member Library Committee
4	Dr. Binu Mathew	Member Library Committee

Librarians:

1	Ms. Pushpalata Bhalla	Librarian Grade-1
2	Mrs. Rashmi Sharma	Librarian Grade-1

- **Library Opening Hours/Library Timings-** On August 2019 time has been extended 24 hours from Monday to Saturday, on weekdays and 9.00AM to 9.00PM on Sundays and other holidays. Library Books Issue/Return Timing from Monday to Saturday 10.00 AM to 8.00 PM. During examination and vacation central library functions in the usual format and is closed only on national holidays.
- **ERMED Consortium-** The Central library is a member of ERMED Consortia provided by the National Medical Library, through which one can access to online subscribed journals of NML. On 21st December 2016 Central Library AIIMS, Raipur received third highest usage award of ERMED Resources for the Year 2016.
- **E-resources/databases-** Central Library receives computer readable databases and provides information retrieval services to its users on topics of their interests. The following are the database that is available in the central library....
 - ◆ **Up-To-Date database Service:-** Central Library AIIMS Raipur has subscription of UpToDate database service for Library Users. UpToDate is clinical decision support resources.
 - ◆ **Elsevier Clinical Key:-** Central Library AIIMS Raipur has subscription of Elsevier Clinical Key.
 - ◆ **ERMED Consortia:-** 243 five foreign publishers (BMJ, CUP, LWW, OUP and Wiley).

S.No	Publishers Name	Total Journals
1	British Medical Journal	23
2	Cambridge University Press	35
3	Lippincott Wolters Kluwer	95
4	Oxford University Press	37
5	Wiley-Blackwell	53
Total Journals		243

- ◆ **URKUND Plagiarism** detection System for Faculty/ All researchers.

- **Library Automation-** Central Library has been automated with The Total Library solution Software package which is an integrated multi-user library management system that supports operations of central library. The TLS Software consists of 14 modules some of them are:-
 - ◆ Library Guidelines
 - ◆ Acquisition
 - ◆ Accession
 - ◆ Circulation
 - ◆ Serials control

Help in maintaining bibliographic records. More than 8000 bibliographic records are available in the Central Library, which can be accessed through the Computerized Online Public Access Catalogue (OPAC). The database of books available in the library is being updated on day-to-day basis with details of the acquired books. Records of all the library patrons have also been created in the TLS software, which has also been successfully implemented. The library has been using Bar Code Technology for issue and return of books.

- **Central Library Services-** Bibliographic Services
 - ◆ Circulation Services
 - ◆ Reference Services
 - ◆ New Paper Clipping Services
 - ◆ Book Reservation Service
 - ◆ Books Exhibition Service
 - ◆ User Awareness Programs
 - ◆ Remote Access facility
 - ◆ Wi-Fi Internet Facility

New Paper Clipping Services-The Central Library maintains a collection of press cuttings on Medical subjects of interest and Institution related news. The press cuttings service is there from the year 2012 till date. It will be disseminated to the users, after shaping it into a bound book form. There is subscription to 16 daily newspapers in English and 7 daily newspapers in Hindi.

- **Programme conducted by Central Library-**
 - ◆ Library Orientation Program is organized every year for new comers at the beginning of the academic year.
 - ◆ User Training Programme - Every year library conducts Training Programme for using E-Resources.
 - ◆ Celebrate National Library Week- Central Library organized Essay Writing Competition on the occasion of National Library Week on 14th November.
 - ◆ Auction of old Magazines Every year.

Conferences /Seminars/Meeting/Training Programme attended by Staff-

- Ms. Pushpalata Bhalla, Librarian Grade-1 attending the central Institute Body Meeting at B.B.Dixit Library, All India Institute of Medical Sciences, New Delhi on 3rd September 2019.
- Ms. Pushpalata Bhalla, Librarian Grade-1 attending “National Conference on Access and Availability of Medical Literature in Electronic Environment (AMLEE-2019) in B.B.Dixit Library AIIMS Delhi on 2nd & 3rd September 2019.

INSTITUTE ETHICS COMMITTEE

(Constitution of Institute Ethics Committee as on 31st March 2020)

Sr. No.	Name	Qualification	Designation in IEC	Affiliation to Institute	Gender
1	Dr. P. K. Patra	M.B.B.S M.D. (Biochemistry)	Chairman	Dean Chhattisgarh Institute of Medical Science (CIMS), Bilaspur, (C.G.)	Male
2	Dr. Vijay M. Motghare	M.B.B.S. M.D. (Pharmacology)	Member (Pharmacologist)	Professor & Head, Department of Pharmacology, Govt. Medical College, Nagpur (Maharastra)	Male
4	Dr. Yogendra Keche	M.B.B.S. M.D. (Pharmacology)	Member (Pharmacologist)	Additional Professor Department of Pharmacology, AIIMS Raipur	Male
3	Dr. Suprava Patel	M.B.B.S M.D. (Biochemistry)	Member (Basic Medical Scientist)	Associate Professor, Department of Biochemistry, AIIMS Raipur	Female
5	Dr. Prasanta Kumar Nayak	M.B.B.S. M.D. (OBGY)	Member (Clinician)	Associate Professor, Department of Obstetrics & Gynaecology, AIIMS Raipur	Male
6	Dr. Rashmi Dubey	M.B.B.S M.D. (Anaesthesiology)	Member (Clinician)	Associate Professor, Department of Anaesthesiology, AIIMS Raipur	Female
7	Dr. Keshao Nagpure	M.B.B.S M.D. (General Medicine)	Member (Clinician)	Assistant Professor, Department of Medicine, AIIMS Raipur	Male
8	Justice Pradeep Kumar Dave	B.A. LL.B.	Member (Legal Expert)	Retired District Session Judge Raipur (Chhattisgarh)	Male
9	Dr. Bhagwant Singh	M.A. Ph. D. (PGDY)	Member (Philosopher)	Professor and Head Department of Philosophy and Yoga Pt. Ravishankar Shukla University, Raipur	Male
10	Mrs. Prabha Minj	M.A. B. Ed.	Member (Social Scientist)	Principal Kendriya Vidyalaya No - 2, DDU Nagar, Sector - IV, Raipur	Female

Sr. No.	Name	Qualification	Designation in IEC	Affiliation to Institute	Gender
11	Mrs. Jyoti Chakraborty	M.Sc. (Chemistry) M. Ed.	Member (Social Scientist)	Assistant Professor State Council of Educational Research and Training, Raipur, (C.G.)	Female
12	Mr. Rahul Ganesh Damke	B.E. (Civil)	Member (Lay person from the community)	Project Head, Mosaic Infraventures Pvt. Ltd., Raipur	Male
13	Dr. Tushar B. Jagzape	M.D. M. Phil. H.P.E. DAA (CMC-Vellore)	Member Secretary	Associate Professor, Department of Pediatrics, AIIMS, Raipur	Male

The following are the additional members of the Ethics Committee:

1	Dr. Hemlata Tiwari	Ph.D in Clinical Psychology, MBA in Finance	Additional Member (Lay Person from the community)	Behaviour Therapist, Counsellor and Professional Trainer for Soft Skill Vocational Training, Raipur	Female
2	Advocate Shekhar Amin	B.Sc., M.A. , LL.B.	Additional Member (Legal Expert)	Advocate, Bar – Association, Raipur	Male

- The IEC was registered in the year 2015 and re-registration with the CDSCO was done in the year 2018. The re-registration letter was received on 27.08.2018. The re-registration is valid till 26.02.2021.
- 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). The provisional registration letter was received on 17.04.2020.

IEC Project Details (Year-wise)

Year	No. of research projects reviewed*	Approved (including Exempted)	Rejected	Revision	Terminated	Completed	Ongoing
2015-16	22	22	00	00	01	15	06
2016-17	42	41	00	00	01	24	13
2017-18	69	65	00	00	04 before and + 04 after approval=8	35	26
2018-19	136	135	00	01	08	34	92
2019-20	199	194	01	03	01	32	157
Total	468	457	01	04	19	140	294

Including PG thesis, DNB, Ph. D, Nursing and ICMR-STs projects.

Total no. of meeting held during 2019-20: Five–full board and One Sub–committee meeting.

Details of meetings held

Date of Meeting	No. of research projects reviewed*	Approved	Rejected	Exemption	Sent for revision
06.04.2019	37 (36 new, 01 revised)	35	01	00	01
20.07.2019	16 (16 new)	13	00	02	01
10.08.2019 (sub-committee meeting)	01 (01 new)	01	00	00	00
07.09.2019	44 (43 new, 01 revised)	43	00	00	01
16.11.2019	44 (43 new, 01 revised)	39	00	00	05
29.01.2020	63 (60 new, 03 revised)	62	00	00	01
20.03.2020	01 (01 new)	00	00	01	00

Including PG thesis, DNB, Ph. D., Nursing and ICMR-STs projects.

IEC decision on projects reviewed during 2019-20 (as on 31.03.2020)

Total no. of project reviewed	199
Total no. of project approved	191
Total no. of project Exempted	03
Total no. of project rejected	01
Total no. of project for revision	04
Total no. of project Terminated	01 (terminated during revision)

Status (Ongoing/Completed/Terminated) during 01.04.2019 to 31.03.2020

Total no. of ongoing projects (as on 31.03.2020)	157 (294)
Total no. of completed projects	32 (140)
Total no. of Terminated	06 (27)
Total no. of Rejected	01 (01)
Total no. of projects sent for revision	03 (04)
Total no. of projects	199 (268)

Note – Number in bracket indicates the cumulative figure.

Details of approved research projects during 2019-20 (as on 31.03.2020)

Total no. of funded projects (Extramural projects)	14
Total no. of funded projects (Intramural projects)	14
Total no. of funded projects (ICMR STS)	12
Total no. of academic projects	159

Details of approved Extramural funded projects (N=14)

Total no. Pharmaceutical industry sponsored projects	04
Total no. Government agency & other sponsored projects	10

Details of Academic projects (N=199)

Total no. undergraduate research projects (including ICMR-STs)	30 (12 funded by ICMR)
Total no. postgraduate research projects (PG Thesis)	35
Total no. DNB research projects (from other institute having MoU with IEC)	59
Total no. Ph. D. research projects	02
Total no. Faculty research projects (Investigator initiated)	57
Total no. Nursing research projects	16

IEC Office bearer

Pramod Kumar Sahu
Junior Administrative Officer

IEC Office Address

Institute Ethics Committee

Academic Section,
Room No. 2103, 2nd Floor,
Medical College Complex, Gate No. 5,
All India Institute of Medical Sciences,
Tatibandh, GE Road,
Raipur-492 099 (CG)
Email: iec@aiimsraipur.edu.in

INSTITUTE RESEARCH CELL

Formation:

- First Institute Research Cell(IRC) functioned from 15.01.2015 to 15-05-2019 and reviewed a total of 97 intramural research proposals.
- The revised Institute Research Cell(IRC) was formed on 16.05.2019.
- Partial reconstitution of IRC committee members done on 24.07.2019, 22.02.2020 and on 06.05.2020.

Objectives:

Enabling research through:

- Promoting holistic approach including “Need based Research” alongside basic and applied research to develop Modern & Indian systems of Medicine.
- Involvement of all levels of teaching staff up to tutors and Medical Officers i.e. Inclusive Research
- Efficiently managing “idea to Implementation” time through effective logistics.

Members of revised IRC since initiation

Sl. No	Name and designation	Responsibility	Date of Membership
1	Dr. Ramanjan Sinha, Professor and Head, Department of Physiology and Associate Dean (Research)	Chairperson	15.05.2019
2	Dr. Manisha Ruikar, Professor and Head, Department of Community & Family Medicine	Member	15.05.2019
3	Dr. Krishnadutt Chavali, Professor and Head, Department of Forensic Medicine & Toxicology	Member	15.05.2019 to 02.07.2019
4	Dr. Nandkishore Agrawal, Professor, Department of Anaesthesiology	Member	15.05.2019
5	Dr. Sajal De, Professor and Head, Department-Pulmonary medicine	Member	22.02.2020
6	Dr. Anudita Bhargav, Additional Professor, Department of Microbiology	Member	15.05.2019
7	Dr. Anil K. Goel, Professor and Head, Department of Pediatrics	Member	15.05.2019
8	Dr. Kalyan Goswami, Additional Professor, Department of Biochemistry	Member Secretary	15.05.2019 to 15.07.2019
9	Dr. Nitin R Gaikwad, Additional Professor, Department of Pharmacology	Member	15.05.2019
10	Dr. Debajyoti Mohanty, Additional Professor, Department of General Surgery	Member	15.05.2019 to 22.02.2020
11	Dr. Vijay K Konuri, Additional Professor, Department of Anatomy	Member	15.05.2019
12	Dr. Neeta Misra, Additional Professor, Department of Ophthalmology	Member	15.05.2019
13	Dr. Rachita Nanda, Additional Professor, Department of Biochemistry	Member	06.05.2020
14	Dr. Pushpawati Thakur, Associate Professor, Department of Obstetrics & Gynaecology	Member	24.07.2019
15	Dr. Suprava Patel, Associate Professor, Department of Biochemistry	Member	24.07.2019 to 05.05.2020
16	Dr. Preetam Wasnik, Associate Professor, Department of General Medicine	Member	15.05.2019
17	Dr. Bikram Keshri Kar, Associate Professor, Department of Orthopaedics	Member	15.05.2019 to 22.02.2020

Sl. No	Name and designation	Responsibility	Date of Membership
18	Dr. Santosh Rao, Associate Professor, Department of Dentistry	Member	22.02.2020
19	Dr. Arvind K Shukla, Assistant Professor, Department of Community & Family Medicine	Member (statistician)	15.05.2019
20	Dr. Sai Krishna Tikka, Assistant Professor, Department of Psychiatry	Member Secretary	24.07.2019

Highlights:

- Revised the proposal submission system. Now proposals are accepted round the year.
- E-submission has been mandatory and e-records are maintained for the same.
- The review process has been double blinded to avoid bias.
- Contractual faculties, AYUSH Medical Officers and Senior Residents now eligible for submitting non-funded projects as Principal Investigators.

Intramural Research Proposals Reviewed

FY 2019-20	INTRAMURAL PROJECTS
Total Proposal	69
Left/Rejected/Not Accepted/ Withdrawn	04
Not Approved	04
Approved	61
Non-funded	44
Funded	17
	(Total: Rs.77,15,770/-)
Reviews done by reviewers(@ 1-2 reviewers per proposal)	91
Pending reviews	0

Research Sub-Committees

Four Subcommittees formed-

- Documentation and Webpage Sub-Committee: Faculty in-charge- Prof(Dr.). N.K. Agarwal
- Research Logistics Sub-Committee: Faculty in-charge- Dr.Anudita Bhargava
- Research Policies Sub-Committee: Faculty in-charge- Prof (Dr.). Anil K. Goel
- Research Orientation Program Sub-Committee: Faculty in-charge- Prof (Dr.).ManishaM.Ruikar

Major Outcomes:

Number of meetings- 10

- Intramural Research Proposals were reviewed mainly pertaining to interventional studies and randomised controlled trials.
- Scope and functioning of sub-committee reviewed and endorsed.
- Responsibilities of the four sub-committees were outlined and approval of the Director for procurement of research logistics and conduction of Research Orientation Programs were obtained.

- A task of comprehensive documentation of research activities of the Institute was undertaken for both representation on institute webpage and archiving purposes by Documentation and Webpage Sub-committee.
- Requirements for facilitation of research such as statistical software, space for research section, employment of statistician and administrative staff were identified by Research Logistics Sub-committee.
- Sub-committee on research policies was assigned the task of drafting of MoU with leading institutions for research, teaching and patient care. The sub-committee also was responsible to draft the revised SOP of IRC as per current demand.
- A detailed outline of Research Orientation Program for Faculty and students was presented by the Sub-committee on Research Orientation Program and approved.
- Time to time intimations of research activities of the institute was provided to higher authorities as and when required which included responding to queries from the ministry and RTI.
- It was decided that research proposals applying for extramural grants shall not be reviewed by IRC.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Balance Sheet as on 31/03/2020

	SCHEDULES	Current Year	Previous Year
		2019-20	2018-19
A) CORPUS/ CAPITAL FUND AND LIABILITIES		₹	₹
Corpus/ Capital Fund	1	8,70,35,10,752.57	4,82,15,47,779.57
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	1,11,65,96,224.44	62,00,48,863.44
TOTAL		9,82,01,06,977.01	5,44,15,96,643.01


B) ASSETS			
Fixed Assets	8	7,55,36,49,689.46	3,80,89,91,957.18
Investments- From Earmarked/ Endowment Funds	9	-	-
Investments- Others	10	-	-
Current Assets' Loans' Advances Etc.	11	2,26,64,57,287.55	1,63,26,04,685.83
Miscellaneous Expenditure		-	-
(to the extent not written off or adjusted)		-	-
TOTAL		9,82,01,06,977.01	5,44,15,96,643.01

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 and CEO

Date: 14.8.2020
Place: Raipur, C.G.

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

Income & Expenditure Account for the year ended 31/03/2020


Particulars	SCHEDULES	Current Year	Previous Year
		2019-20	2018-19
INCOME		₹	₹
Income from Sales/ Services	12	12,10,36,167.47	3,00,79,556.01
Grants/ Subsidies	13	2,67,97,00,000.00	1,21,37,00,000.00
Fees/ Subscriptions	14	-	-
Income from Investments (Income on Investment from earmarked/ endow funds transferred to Funds, Rent)	15	-	-
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17	1,82,35,553.00	18,44,26,510.00
Other Income	18	10,28,33,308.65	2,60,02,395.00
Increase/ (decrease) in stock of finished goods and work-in-progress	19	-	-
Excess Provision Made in FY 2018-19		27,52,547.00	-
Prior Period Income		-	23,35,597.00
TOTAL (A)		2,92,45,57,576.12	1,45,65,44,058.01

EXPENDITURE		₹	₹
Establishment Expenses	20	1,75,19,17,897.00	1,41,05,50,679.00
Other Administrative expenses etc.	21	87,11,19,084.56	60,46,27,836.62
Expenditure on Grants, Subsidies etc.	22	11,66,202.00	24,99,171.00
Interest	23	-	-
Depreciation (Net Total at the year-end-corresponding to Schedule)	8	47,88,69,683.00	24,63,43,061.00
Expenses Under Swachhata Action Plan		12,89,322.00	7,79,154.00
Prior Period items		55,08,28,008.56	51,599.29
TOTAL (B)		3,65,51,90,197.12	2,26,48,51,500.91

Balance being excess of Expenditure over Income, this is indication of Deficit (A-B)		(73,06,32,621.00)	(80,83,07,442.90)
Transfer to Special Reserve (Specify each)		-	-
Transfer to / form General Reserve		-	-
BALANCE BEING SURPLUS/ (DEFICIT) CARRIED TO CORPUS/ CAPITAL FUND		(73,06,32,621.00)	(80,83,07,442.90)

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 and CEO

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)

AIIMS Raipur

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2020							
S.N.	RECEIPTS	Current Year 2019-20 ₹	Previous Year 2018-19 ₹	S.N.	PAYEMENTS	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
I	Opening Balance			I	Expenses		
	a) Cash in Hand	2,55,584.00	63,042.00		a) Establishment Expenses	1,64,60,77,407.00	1,22,89,56,074.00
	b) Bank Balances				b) Administrative Expenses	78,14,86,486.09	58,20,06,861.62
	l) In Current Accounts	1,73,13,20,995.21	2,63,41,30,504.45		c) Expenses Under Swatchhata Action Plan	1,00,99,110.00	50,000.00
II	Grant Received				d) Others		
	a) From Government of India				i) Net Contingent Advance Paid	93,60,322.52	61,23,294.00
	l) GIA General	87,69,00,000.00	55,61,00,000.00		ii) Net Imprest Money Paid	39,98,839.00	32,32,817.00
	ii) GIA Salaries	1,77,28,00,000.00	65,76,00,000.00		iii) Net LTC Paid	23,10,437.00	21,95,728.00
	iii) GIA Capital	70,51,00,000.00	-		iv) Net Tour Advance Paid	45,98,001.00	54,46,051.00
	iv) GIA General (Swachhata Action Plan)	3,00,00,000.00	-		v) Medical Advance	-	1,20,000.00
III	GIA Received for AIIMS Mangalagiri	93,94,22,926.00	45,25,00,000.00		vi) Amul Parlour (Rent)	-	1,00,000.00
IV	GIA Received for AIIMS Nagpur	98,50,52,037.00	45,25,00,000.00		vii) Contingent Advance under Ayushman	20,000.00	-
V	Income on Investments	-	-		viii) Contingent Advance under Kayakalp	74,550.00	-
VI	Interest Received				ix) Contingent Advance against Extramural Fund	49,85,949.00	34,59,555.00
	a) On Bank Account	1,51,21,015.00	11,23,38,347.00		x) Schoolship Paid	900.00	-
	b) Prior Period Interest Income from Bank	-	6,99,43,370.00	II	Payment made under Extramural Fund	18,90,937.00	36,61,086.00
	c) Interest received but refundable to MoHFW earned on GIA	10,00,36,085.00	-	III	Investments and deposits made		
VII	Miscellaneous Income				a) Out of Earmarked/ Endowment funds	-	-
	l) Liquidated Damage	-	-		b) Out of Own Funds	-	-
	ii) Notice Period Recovery from Staff	30,19,552.00	37,31,220.00	IV	Expenditure on Fixes Assets & Capital Work- in Progress		
	iii) Receipt from Guest House	2,05,960.00	4,77,680.00		a) Payment for Purchase of Fixes Assets	31,76,50,865.02	8,84,46,029.34
	iv) Misc. Receipt	1,59,574.00	3,58,543.00		b) Payment to contractors for Work in Progress	28,23,58,363.00	59,13,46,454.00
	v) Licence Fee depositd in cash	34,020.00	-	V	Refund of Surplus money/ Loans		
	vi) Recovery of Excess Children Education Allowance paid	26,020.00	-		a. EMD released (Net)	1,92,62,903.00	1,30,03,020.00
VIII	Other Receipt				b. Security Deposit released	1,27,55,085.00	70,23,618.00
	Receipts From Hospital	8,34,77,389.47	2,71,23,993.01		c. Withheld	22,41,006.00	4,67,608.00
	Admission Fees, Entrance Fees, Application Fees, Examination Fees, Other Receipt	3,71,91,757.00	28,05,216.00	VI	Contingent Advance SAP	1,97,231.00	2,61,416.00
	Tender Related Receipt	2,71,590.00	3,71,500.00	VII	Other Payments		
	Security deposit	11,36,821.00	25,14,961.00		a) TDS/ VAT/ Labour Cess/ Work Contract Tax, etc.	20,00,42,778.00	16,87,42,616.00
	Earnest Money deposit (EMD)	2,50,11,222.00	2,20,65,764.00		b) Advances to Contractor	-	3,88,01,200.00
	Penalty Receipt from (SR/JR/PG Students etc.)	72,20,378.00	39,82,303.00		c) Financial Assistance for CME/ Workshop	9,45,081.00	2,00,394.00
	Received from Gym	9,700.00	13,850.00		d) Liquidity Damage refunds	684.00	3,15,298.00
	Receipts from Forfeiture of /EMD/FDR	-	79,388.00		e) Prior Period Expenditure	-	8,836.29
	Rent Received	2,86,240.00	4,65,140.00		f) TDS Deducted and credited by bank	-	58,89,443.00
	Donation under ARPAN	1,77,86,863.60	43,053.00		Donation Paid to CRPF (Bharat Ke Veer Fund)	19,239.00	-
	Net Amount received under Oriana	50,000.00	-	VIII	Amount Paid to AIIMS Mangalagiri & Nagpur		
	Other Donation	-	11,32,031.00		GIA release for AIIMS Mangalagiri	99,19,92,708.00	26,35,01,600.00
	Unspent fund of Intra. (Sickle Cell) (Dr. Alok Agrawal)	-	1,37,838.00		GIA release for AIIMS Nagpur	94,01,19,420.00	26,85,01,600.00
	General Damage Receipt	25,030.00	-		Contingent Advance AIIMS (Mangalagiri)	-	43,21,981.00

RECEIPTS AND PAYMENTS FOR THE YEAR ENDED 31/03/2020							AIIMS Raipur
S.N.	RECEIPTS	Current Year 2019-20 ₹	Previous Year 2018-19 ₹	S.N.	PAYEMENTS	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
	Refund of Excess Salary Paid	2,16,924.00	-		Contingent Advance AIIMS (Nagpur)	-	39,20,167.00
	Receipt from Mess Committee for TDS	2,49,625.00	-		Imprest Money AIIMS Mangalagiri	-	48,313.00
	Receipt from VRDL for TDS	1,37,743.00	-		Imprest Money AIIMS Nagpur	-	46,577.00
IX	Ayushman Bharat Claims Receipts	4,89,96,989.05	30,96,639.00		Tour Advance (AIIMS Nagpur)	-	1,19,500.00
XII	Extramural Fund	2,90,94,468.00	2,31,38,921.00		Net TDS Receivable from Bank of India	1,000.00	-
XI	Advance depositd by Patient	11,29,048.00	13,29,806.00	IX	Intramural Funds	16,77,900.00	17,46,193.00
				X	Payment under Provision Made		
					Learning Resource Allowance	2,50,00,000.00	-
					Electricity Charges	88,67,980.00	-
				XI	Bills Payable to other than Employee	1,12,37,509.00	44,03,200.00
				XII	Advance to Contractor/ Supplier/ Consultant	7,65,62,973.00	-
				XIII	Closing Balances		
					a) Cash in Hand	16,23,892.00	2,55,584.00
					b) Bank Balances		
					i) In Current Accounts	2,05,42,86,000.70	1,73,13,20,995.21
	TOTAL	7,41,17,45,556.33	5,02,80,43,109.46		TOTAL	7,41,17,45,556.33	5,02,80,43,109.46


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [1] CORPUS/ CAPITAL FUND		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
Balance as at the beginning of the year	4,82,15,47,779.57	5,63,10,05,290.47
Add: Contribution towards corpus/ capital fund	70,51,00,000.00	-
Add: GIA-Capital From MoHFW directly transfer for packages	3,90,74,95,594.00	-
Add/(Deduct): Balance of net income/ (expenditure) transferred from the Income and Expenditure Account	(73,06,32,621.00)	(80,83,07,442.90)
Add:- Prior Period Items (Expenditure is overbooked in Previous Year)	-	-
Less:- TDS receivable from CSPDCL for F.Y. 2013-14 to 2016-17	-	(11,50,068.00)
BALANCE AT THE YEAR-END	8,70,35,10,752.57	4,82,15,47,779.57

SCHEDULE [2] RESERVE & SURPLUS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
a) Capital Reserve:		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (a)	-	-
b) Revaluation Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (b)	-	-
c) Special Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (c)	-	-
d) General Reserve		
As per last Account	-	-
Addition during the year	-	-
Less: Deductions during the year	-	-
Total (d)	-	-
Total (a+b+c+d)	-	-


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [3] EARMARKED/ ENDOWMEN FUNDS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
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 addtion (specify nature)	-	-
TOTAL (a+b)	-	-

c). Utilisation/ Expenses towards objective of funds		
i) Capital Expenditure		
Fixed Assets	-	-
Others	-	-
Total	-	-
ii) Revenue Expenditure		
Salaries, Wages and allowances etc.	-	-
Rent	-	-
Other Administrative expenses	-	-
Total	-	-
Total c	-	-
NET BALANCE AS AT THE YEAR-END (a+b+c)	-	-


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [4] SECURED LOANS AND BORROWINGS:				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
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
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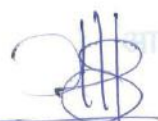
**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [5] UNSECURED LOANS AND BORROWINGS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
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 2019-20 ₹	Previous Year 2018-19 ₹
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 and CEO**

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR (CHHATTISGARH)
SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
		₹		₹
A) CURRENT LIABILITIES				
i) Acceptances	-	-	-	-
ii) Sundry Creditors	-	-	-	-
a) For Goods	-	-	-	-
b) Others				
AA Foundation for Safety	1,60,738.00		1,60,738.00	
Adarsh Enterprises	31,173.00		31,173.00	
Ahluwalia Contractor (I) Ltd.	1,03,477.00		1,03,477.00	
Amrit Pharmacy	1,70,785.00		1,71,240.00	
Aleem Khan	2,000.00		2,000.00	
Anurag Sales & Services	11,400.00		11,400.00	
AP Scanner	27,870.00		-	
Balaji Surgicals	24,517.00		-	
Bedi & Bedi Associates	2,01,701.00		2,01,701.00	
BV Enterprises	41,792.00		41,792.00	
BVG India Ltd.	1,55,407.00		7,83,145.00	
Continuum Electro Product	1,00,000.00		1,00,000.00	
C-Net Infotech Pvt. Ltd.	42,723.00		42,723.00	
Creat Business Inc.	3,530.00		3,530.00	
Corp Meditech Pvt. Ltd.	2,46,896.00		-	
DHR Holding Company	4,27,694.00		4,27,694.00	
Diamond Agencies	28,598.00		28,598.00	
Daulat Surgical & Scientific Shop	24,761.00		-	
EMCO Tech Equipment Pvt. Ltd.	3,94,868.00		3,94,868.00	
HLL Lifecare Limited	6,675.00		6,675.00	
Hi- Solution Pest Control	1,950.00		1,950.00	
Indian Surgical System	2,36,950.00		-	
Jupiter Healthcare	37,000.00		37,000.00	
Johnson Lifts Pvt. Ltd.	39,398.00		39,398.00	
Jeevika Enterprises	37,400.00		-	
Kone Elevator India Pvt. Ltd.	7,603.00		7,603.00	
LSR Medical Pvt. Ltd.	17,14,852.00		17,14,852.00	
Medical Product Services	50,70,600.00		50,70,600.00	
Mediglobe Medical Systemes (P) Ltd.	400.00		400.00	
Mundhra Marketing	12,678.00		12,678.00	
Mediline Surgicals	1,10,880.00		-	
Narbada Biotech	-		46,928.00	
Novomed Incorporation Pvt. Ltd.	15,000.00		15,000.00	
Philips Medical System	-		1,37,91,600.00	
Pharma Deal	85,877.00		-	
Rahul Tour & Travels Jagdalpur	74,708.00		74,708.00	
Red Cross Society	56,800.00		56,800.00	
RS Maintainance Service and Pest Control	28,702.00		28,702.00	
Safeguard & Manpower Services	1,01,150.00		1,01,150.00	
Scientific Traders	26,973.00		-	

SR Raipur

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
A) CURRENT LIABILITIES				
Spectrum Corporation	2,246.00		2,246.00	
Shristi Enterprises	2,211.00		2,211.00	
South India Surgical Co. Ltd.	13,388.00		13,388.00	
Shri Vaishnavi Enterprises	23,400.00		23,400.00	
State Appropriate Authority PNTD Raipur	12,500.00		12,500.00	
Senior Post Master Raipur	17,918.00		-	
Span Healthcare Pvt. Ltd.	22,068.00		-	
Tata Docomo	2,600.00		2,600.00	
Thermo Fisher Scientific India P Ltd.	47,971.00		-	
VIT Computer	24,750.00		-	
VM Healthcare	2,02,514.00		-	
Vodafone	334.00		-	
Vraj Tour & Travels	55,473.00	1,02,92,899.00	55,473.00	2,36,21,941.00
Employee related liabilities				
a) Security deposit Employee	6,99,160.00		11,51,160.00	
b) Bill Payable to Employees	3,67,509.00		93,912.00	
c) Othes	5,014.00	10,71,683.00	-	12,45,072.00
Bills Payable to other then Employees				
	1,07,822.00	1,07,822.00	63,283.00	63,283.00
c) Withhold Amount due to Non- Achievement of Milestone from Contractor	24,22,692.00	24,22,692.00	27,41,212.00	27,41,212.00
d) Withheld for maintainance of Street light	55,856.00	55,856.00	55,856.00	55,856.00
iii) Secured Advance to Contractor / Suppliers	-	-	7,01,99,989.00	7,01,99,989.00
vi) Statutory Liabilities				
a) TDS on GST				
i) CGST	2,95,214.00		3,28,849.00	
ii) SGST	2,95,214.00		3,28,849.00	
iii) IGST	12,38,654.00		12,89,379.00	
b) TDS Payable on Other than Salary	69,570.00		7,758.00	
c) Work Contract Tax Payable	-		1,910.00	
d) Labour Cess Payable	22,329.00		5,14,799.00	
e) TDS Payable on Salary	6,08,425.00		18,57,581.00	
f) Value Added Tax Payable	-	25,29,406.00	2,060.00	43,31,185.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year		Previous Year	
	2019-20		2018-19	
	₹		₹	
A) CURRENT LIABILITIES				
v) Other current Liabilities				
a) Special / Extramural Fund Received				
1) CME	90,000.00		90,000.00	
2) CM Sanjeevani Fund	25,06,393.00		51,05,993.00	
3) Indian Council of Medical Research	6,16,946.00		19,19,575.00	
4) Nimhans Bangalore	5,663.00		10,663.00	
5) Prime Minister's National Relief Fund	5,14,599.00		1,01,110.00	
6) Aids Control	1,04,831.00		1,04,831.00	
7) Department of Science & Technology	1,36,856.00		(92,795.00)	
8) Mukhyamantri Bal Shrawan Yojna	16,71,206.00		10,61,206.00	
9) United Nations Chilendren's Fund	16,52,275.44		9,75,780.44	
10) CGMICROCON	28,400.00		28,400.00	
11) Chhattisgarh Council of Science & Technology	1,80,000.00		1,80,000.00	
12) Prashanta K Nayak (NCD Doctor)	63,878.00		2,45,875.00	
13) Department of Health & Family Welfare CG Govt.	-		4,88,705.00	
15) Sanjay Negi (SERB Papillomavirus)	1,51,090.00		1,60,024.00	
16) Suprava Patel (Sickle Cell CCOST)	(70,833.00)		(70,833.00)	
17) Indian Council of Medical Research (PCOS)	24,19,550.00		10,25,104.00	
18) Mukhyamatri Sahayta Kosh (Bihar)	2,25,000.00		1,25,000.00	
19) Mukhyamatri Sahayta Kosh (Maharashtra)	118.00		118.00	
20) National Academy of Medical Science	3,50,000.00		3,50,000.00	
21) National Child Health Programme	15,00,000.00		15,00,000.00	
22) Rashtriya Swasthya Bima Yojna	5,00,000.00		5,00,000.00	
24) Extramural Fund (Ajay Behra) NEHP	10,56,554.00		18,19,000.00	
25) Extramural Fund (Atul Jindal) RCH/NHW Training	47,908.00		3,00,000.00	
26) Hemant Kumar (Microbactrium & Plasmodium)	-		17,73,420.00	
27) Jessy Abraham (DNA Cell Cancer)	4,44,392.00		90,000.00	
28) Lokesh Singh (Tobacco Cessation)	63,314.00		2,00,000.00	
29) Manisha B. Sinha (Microdeletion of Genes in Y)	66,322.00		20,177.00	
30) Manisha Ruikar (SRS VA Supervisor Training)	3,53,572.00		1,21,800.00	
31) Padma Das (Antimicrobial Stew.)	5,00,000.00		5,00,000.00	
32) Padma Das (Capicity Building CDC)	11,00,000.00		7,00,000.00	

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SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
		₹		₹
A) CURRENT LIABILITIES				
33) Prashanta K Nayak (NCD Nurse)	7,94,963.00		2,16,000.00	
34) Ruchita Nanda (Thyroid Hormones First Timer Preg.)	2,46,590.00		2,66,760.00	
35) UNICEF (KMC)	-		3,35,894.00	
36) UNICEF (QI)	8,35,229.00		(13,976.00)	
37) Atul Jindal (Emergency Triage)	1,09,600.00		-	
38) Minakshi Sinha (Sleep Wake Pattern & Light)	8,56,167.00		-	
39) Nilaj Bagde (ICMR NIRRH)	12,000.00		-	
40) Sabah Siddiqui	9,576.00		-	
41) Ujjwala Gaikward (NTEP)	2,00,000.00		-	
42) UNICEF- SCoE-SAM	4,40,681.00			
44) Atul Jindal (BMGF)	10,05,899.00			
45) Special Fund (Others)	11,48,622.00	2,19,37,361.44	-	2,01,37,831.44
b) Security deposit Vendor	2,34,13,686.00	2,34,13,686.00	2,57,10,639.00	2,57,10,639.00
c) Earnest Money Deposit	3,01,80,718.00	3,01,80,718.00	2,44,31,899.00	2,44,31,899.00
d) Advance depositd by Patients	20,64,683.00	20,64,683.00	9,79,000.00	9,79,000.00
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	
Dev Travel Car Rental Services	567.00		567.00	
Cubes Media & Branding Pvt. Ltd.	17,218.00		17,218.00	
Service Master Clean Ltd.	48,915.00		48,915.00	
RS Maintanance Services & Pest Control	8,611.00	23,00,396.00	8,611.00	23,00,396.00
2) Withheld other				
Ghanshyam Laundry	19,112.00		19,112.00	
EDCIL (India) Ltd.	9,25,625.00		9,25,625.00	
M.J. Solanki	1,50,000.00		1,50,000.00	
BL Kashyap and Sons Ltd.	10,25,640.00		10,25,640.00	
Globus Infocom Ltd.	4,16,174.00		4,16,174.00	
R.S. Maintanance Services	2,000.00		2,000.00	
Shree Sai Services	10,000.00		10,000.00	
Punjilloyd LLtd.	1,00,000.00		1,00,000.00	
Ahluwalia Contractor	24,602.00		1,24,602.00	

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
A) CURRENT LIABILITIES				
Security & Intelligence Services	2,48,316.00		2,48,316.00	
Fortune Impex	43,754.00		-	
Medical Product Services	15,65,400.00		-	
Service India, Bhopal	25,000.00		-	
HSCC India Ltd.	67,13,384.00		-	
Ashlar India	3,84,647.00		-	
Manohar Lal Gawri	3,34,219.00		-	
Sanjari Construction	1,11,121.00		-	
Voltas Ltd.	8,72,564.00		-	
BVG India Ltd.	1,37,775.00		-	
Mali Payment	31,185.00		-	
Shree Enterprises	5,45,237.00		-	
Vraj Tours & Travells	34,000.00	1,37,19,755.00	34,000.00	30,55,469.00
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	5,88,661.00	5,00,000.00	5,88,661.00
4) Withheld for EOT				
Anil Mathani	1,50,000.00		1,50,000.00	
Manohar Lal Gawri	-	1,50,000.00	4,24,642.00	5,74,642.00
5) Withheld for Rectification				
Puskar Gokulka	-		2,000.00	
Pujloyd Ltd.	41,762.00		41,762.00	
Steel Case	20,000.00	61,762.00	20,000.00	63,762.00
6) Withheld as per Clause 36 i				
BL Kashyap and Sons Ltd.	17,50,000.00		16,75,000.00	
Punjloyd Ltd.	7,50,000.00		7,50,000.00	
Ahluwalia Contracts (I) Ltd.	1,50,000.00		1,25,000.00	
Pushkar Gokulka	60,000.00	27,10,000.00	60,000.00	26,10,000.00
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	
Luxura Enterprises Pvt. Ltd.	-	4,40,450.00	1,00,000.00	5,40,450.00
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		-	
Kasliwal Brothers	5,094.00		-	
Shree Sai Services	2,38,740.00	4,96,449.00	-	2,17,972.00
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	68,17,573.00	1,39,306.00	68,17,573.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
A) CURRENT LIABILITIES				
10) Withheld for Vehicle				
Ahluwalia Contracts (I) Ltd.	3,50,000.00	3,50,000.00	3,00,000.00	3,00,000.00
12) Withheld for Non-Achivement WCT				
Puskar Gokulka	-	-	37,385.00	37,385.00
13) Withheld for Waterproofing				
PRG Associates	19,256.00	19,256.00	19,256.00	19,256.00
14) Withheld for IGST				
Schiller Healthcare India P Ltd	3,16,200.00	3,16,200.00	3,16,200.00	3,16,200.00
15) Withheld till Warranty Period				
Shree Krishna Green Estate	2,78,784.00		1,30,465.00	
Nischal Construction	78,793.00	3,57,577.00	-	1,30,465.00
16) Withheld Uniform Washing Allowance				
Security & Intelligence Services	2,69,362.00	2,69,362.00	2,69,362.00	2,69,362.00
17) Withheld for Finalization of Tender				
Hi-Tech Audio Systems Pvt. Ltd.	25,03,346.00	25,03,346.00	-	-
18) Withheld for Storage Insurance				
Methodex System Pvt. Ltd.	18,673.00	18,673.00	-	-
19) Withheld for Warranty Amount				
Shree Krishna Green Estate	1,33,143.00	1,33,143.00	-	-
20) Withheld for Recovery from				
Sterling & Wilson P Ltd.	44,400.00	44,400.00	-	-
f) CG Government	100.00	100.00	100.00	100.00
g) Liability towards Scholarship	-	-	900.00	900.00
h) GIA AIIMS NAGPUR				
GIA Nagpur (Capital)	1,19,76,996.00		1,21,61,208.00	
GIA Nagpur (General)	6,98,41,999.00		2,82,18,697.00	
GIA Nagpur (Salary)	(26,78,752.00)	7,91,40,243.00	9,01,47,208.00	13,05,27,113.00
i) GIA AIIMS MANGALAGIRI				
GIA Mangalagiri (Capital)	(9,95,397.00)		1,60,52,034.00	
GIA Mangalagiri (General)	3,49,17,901.00		2,63,08,171.00	
GIA Mangalagiri (Salary)	-	3,39,22,504.00	8,99,77,671.00	13,23,37,876.00

SCHEDULE [7] CURRENT LIABILITIES AND PROVISIONS				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
A) CURRENT LIABILITIES				
j) Recovery as per Labour Report	4,800.00	4,800.00	4,800.00	4,800.00
k) Refundable to Oriana Fund	1,14,271.00	1,14,271.00	-	-
vi) Interest Refundable to MoHFW				
Interest earned on BOI Current Plus A.C. (965420110000157) Operation	65,46,55,520.00	65,46,55,520.00	-	-
TOTAL (A)		89,32,11,247.44		45,42,30,289.44
B) PROVISIONS				
i) For Taxation	-	-	-	-
ii) Gratuity	-	-	-	-
iii) Superannuation/ Pension	-	-	-	-
iv) Accumulated Leave Encashment	-	-	-	-
v) Trade Warranties/ Claims	-	-	-	-
vi) Electricity Exp.	1,01,08,720.00	1,01,08,720.00	88,67,980.00	88,67,980.00
vii) External Remittance	4,59,532.00	4,59,532.00	3,62,629.00	3,62,629.00
viii) NPS Payable	79,93,375.00	79,93,375.00	28,76,557.00	28,76,557.00
ix) Salary Payable	15,44,10,528.00	15,44,10,528.00	12,07,67,549.00	12,07,67,549.00
x) Telephone Exp.	1,28,720.00	1,28,720.00	1,81,379.00	1,81,379.00
xi) CAG Audit Fees Payable	2,00,000.00	2,00,000.00	2,62,480.00	2,62,480.00
xii) Childeren Education Allowance Payable	50,00,000.00	50,00,000.00	75,00,000.00	75,00,000.00
xiii) Learning Resource Allowance Payable	2,30,00,000.00	2,30,00,000.00	2,50,00,000.00	2,50,00,000.00
xiv) General Provident Fund	2,20,84,102.00	2,20,84,102.00	-	-
TOTAL (B)		22,33,84,977.00		16,58,18,574.00
GRAND TOTAL (A+B)		1,11,65,96,224.44		62,00,48,863.44


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [8] FIXED ASSETS AS ON 31/03/2020

S.N.	PARTICULARS	GROSS BLOCK			DEPRECIATION BLOCK			NET BLOCK			
		Cost valuation As at beginning of the Year	Additions during the year	Deduction During the year	Cost/ Valuation at the Year-End	As at the Beginning of the Year	Additions during the year	Deduction During the year	Total up to the Year-End	As at the Current Year-End	As at the previous Year-End
1	LAND	100.00	-	-	100.00	-	-	-	-	100.00	100.00
2	BUILDING	76,13,332.00	5,09,64,64,694.00	-	5,10,40,78,026.00	14,10,020.00	23,92,65,477.00	-	24,06,75,497.00	4,86,34,02,529.00	62,03,312.00
3	FURNITURE & FIXTURES	13,02,80,377.00	5,60,80,730.00	-	18,63,61,107.00	2,91,25,305.00	1,38,78,714.00	-	4,30,04,019.00	14,33,57,088.00	10,11,55,072.00
4	OFFICE EQUIPMENT	90,24,263.00	32,22,768.00	-	1,22,47,031.00	26,28,128.00	13,21,676.00	-	39,49,804.00	82,97,227.00	63,96,135.00
5	COMPUTER	3,46,67,464.00	44,01,979.00	-	3,90,69,443.00	2,47,89,881.00	56,31,711.00	-	3,04,21,592.00	86,47,851.00	98,77,583.00
6	ELECTRIC INSTALLATIONS	2,58,06,265.00	45,45,72,803.00	-	48,03,79,068.00	41,94,793.00	2,49,79,189.00	-	2,91,73,982.00	45,12,05,086.00	2,16,11,472.00
7	PLANTS & MACHINERY	1,18,51,73,378.06	65,50,62,581.79	1,41,30,732.56	1,82,61,05,227.29	40,08,04,302.00	19,24,75,387.00	59,74,992.00	58,73,04,697.00	1,23,88,00,530.29	78,43,69,076.06
8	BOOKS	2,61,40,879.00	67,169.00	-	2,62,08,048.00	2,36,70,181.00	10,15,147.00	-	2,46,85,328.00	15,22,720.00	24,70,698.00
9	MOTOR VEHICLE	25,90,376.00	-	-	25,90,376.00	5,74,496.00	3,02,382.00	-	8,76,878.00	17,13,498.00	20,15,880.00
	TOTAL RUPEES	1,42,12,96,434.06	6,26,98,72,724.79	1,41,30,732.56	7,67,70,38,426.29	48,71,97,106.00	47,88,69,683.00	59,74,992.00	96,00,91,797.00	6,71,69,46,629.29	93,40,99,328.06
	CAPITAL WORK-IN PROGRESS DURING THE YEAR 2019-20	2,87,48,92,629.12	19,80,58,093.00	2,23,62,47,661.95	83,67,03,060.17	-	-	-	-	83,67,03,060.17	2,87,48,92,629.12
	Package- I (Medical College & Hostel)	32,62,73,343.00	-	32,62,73,343.00	-	-	-	-	-	-	32,62,73,343.00
	Package- II (Hospital Complex)	1,04,60,56,030.00	6,52,10,488.00	1,11,12,66,518.00	-	-	-	-	-	-	1,04,60,56,030.00
	Package- III (Electrical)	4,81,54,372.00	1,01,92,995.00	5,83,47,367.00	-	-	-	-	-	-	4,81,54,372.00
	Package- IV (Estate Services)	36,17,26,470.00	1,18,81,776.00	37,36,08,246.00	-	-	-	-	-	-	36,17,26,470.00
	WIP AIIMS	28,87,24,561.00	11,07,72,834.00	96,07,518.00	38,98,89,877.00	-	-	-	-	38,98,89,877.00	28,87,24,561.00
	Payment Made to HLL in WIP	80,39,57,853.12	-	35,71,44,669.95	44,68,13,183.17	-	-	-	-	44,68,13,183.17	80,39,57,853.12
	TOTAL	7,55,36,49,689.46									


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020

SCHEDULE [9] INVESTMENTS FROM EARMARKED/ ENDOWMENT FUNDS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
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 2019-20 ₹	Previous Year 2018-19 ₹
a) In Government Securities	-	-
b) Other approved Securities	-	-
c) Shares	-	-
d) Debentures and Bonds	-	-
e) Subsidiaries and Joint Ventures	-	-
f) Others (FDR in Bank of India)	-	-
Total	-	-


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SCHEDULES FORMING PART OF BALANCE SHEET AS ON 31/03/2020**

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2019-20		Previous Year 2018-19	
		₹		₹
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) AIIMS, Patna		28,20,000.00		28,20,000.00
ii) Empanellement Fees Receivable				
a) Abbott India Limited		-		5,000.00
b) Micro Pharmaceuticals		-		5,000.00
c) Lupin Ltd.		-		5,000.00
d) Anglo France Drugs & India. Ltd.		-		5,000.00
		28,20,000.00		5,000.00
2 Others				
i) Rent Receivable				
a) Seema Agency		35,780.00		71,560.00
b) Amul Parlour		3,13,528.00		8,15,584.00
ii) VRDL		42,167.00		-
iii) Broadcast Engineering Consultants		10,513.00		-
		4,01,988.00		8,87,144.00
3 Statutory Dues Receivable				
i) TDS Receivables on account of deduction made by CSPDCL				
a) For Financial Year 2018-19		4,14,450.00		4,14,450.00
b) For Financial Year 2019-20		13,364.00		-
ii) TDS Receivables on account of deduction made by CG Trousim Board		60,000.00		60,000.00
iii) TDS Receivables on account of deduction made by Bank of India		58,90,743.00		58,89,443.00
iv) TDS Receivables on account of deduction made by Indian Oil Corporation		1,271.00		1,271.00
v) TDS Receivables on account of deduction made by Raipur Development Authority		3,000.00		3,000.00
vi) TDS Receivable on account of deduction made by State Health Resource Centre.		6,000.00		6,000.00
		63,88,828.00		63,74,164.00
c) Cash balances in hand (including cheques and imprest)		16,23,892.00		2,55,584.00
		16,23,892.00		2,55,584.00

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
d) Bank Balances:				
1 With Scheduled Banks				
On Current Accounts				
a) Bank of India Current Plus A/c No. 935420110000157	1,63,17,80,963.47		1,54,37,94,458.69	
b) Bank of India Current Plus A/c No. 936320110000024	35,14,77,852.10		18,43,75,634.52	
c) State Bank of India (ARPAN) A/c No. 36721449858	1,78,29,115.60		54,263.00	
d) Ayushman Bharat (A/c No.: 936320110000307)	5,05,51,357.53	2,05,16,39,288.70	30,96,639.00	1,73,13,20,995.21
On deposit Accounts(including margin money)	-	-	-	-
On Saving Account				
a) Bank of India (Research Grant) A/c No. 936310110005302	26,46,712.00	26,46,712.00	-	-
2 With Non-Scheduled Banks				
On Current Accounts	-	-	-	-
On deposit Accounts(including margin money)	-	-	-	-
On Saving Account	-	-	-	-
e) Post office- Savings Account	-	-	-	-
f) Advances & Security Deposits				
1) Advances to Contractors/ Vendors				
i) HSCC (I) Ltd.	4,01,628.00		4,01,628.00	
ii) Mukesh & Associates	1,31,100.00		1,31,100.00	
iii) Sage Publication	45,847.83		45,847.83	
iv) Total Library Solution	2,22,881.30		2,22,881.30	
v) NICS	8,14,000.00		8,14,000.00	
viii) National Institute of Technology	4,87,000.00		4,87,000.00	
ix) Prime One Workforce (Excess TDS Deducted and deposited)	-		42,139.00	
x) Advance to HLL for PICU	4,70,13,600.00		1,97,95,200.00	
xi) Advance to HLL for NICU	4,51,39,250.00		1,90,06,000.00	
xii) Advance with Scientific Traders	-		624.00	
xiii) BL Kashyap and Sons Ltd. (Interim Advance)	5,29,38,145.00		-	
xiv) HLL Lifecare Ltd. (Under SAP)	1,00,99,110.00		-	
xv) HLL Lifecare Ltd. (For PCR Kit)	57,50,000.00		-	
xvi) Punjloyd Ltd. (Interim Advance)	1,19,68,602.00		-	
xvii) Pushkar Gokulka	4,91,528.00		-	
xviii) Ultra Tech Laboratories Pvt. Ltd.	7,500.00		-	
xix) Voltas Ltd. (Interim Advance)	53,14,701.00	18,08,24,893.13	-	4,09,46,420.13
2) Other Advances				
i) Contingent Advances	55,21,186.25		13,27,781.25	
ii) Contingent Advance (Extramural Fund)	26,06,425.24		22,33,530.24	

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
iii) Imprest Money	9,01,891.00		1,05,134.00	
iv) LTC Advances	18,430.00		62,330.00	
v) Tour Advances	20,75,413.00		30,13,510.00	
vii) Contingent Advance (SAP)	94,080.00		66,416.00	
viii) Financial Assistance for CME/ Workshop	3,61,606.00		1,10,000.00	
ix) Imprest Money (AIIMS Mangalagiri)	-		25,000.00	
x) Imprest Money (AIIMS Nagpur)	-		25,000.00	
xi) Medical Advance	-		1,20,000.00	
xii) Tour Advance (AIIMS Nagpur)	-		45,000.00	
xiii) Advance Salary	28,718.00		18,57,581.00	
xiv) Contingent Advance (Fund Transfer) (AIIMS Mangalagiri)*	-		43,00,000.00	
xv) Contingent Advance (Fund Transfer) (AIIMS Nagpur)*	-		37,00,000.00	
xvi) Contingent Advance (Ayushman)	20,000.00		-	
xvii) Contingent Advance (Kayakalp)	40,000.00		-	
xviii) Advance to ORIANA Fest.	-	1,16,67,749.49	(64,271.00)	1,69,27,011.49
3) Security Deposits				
i) Security deposit with BSNL	14,845.00		14,845.00	
ii) Security deposit with CSPDCL	53,91,349.71	54,06,194.71	60,10,000.00	60,24,845.00
4) Mobilization Advance (Credit Balance)	-	-	(17,40,33,095.00)	(17,40,33,095.00)
5) Intramural Fund Balance with :-				
i) Alok Agrawal (Sickle Cell)	3,62,162.00		3,62,162.00	
ii) Manisha B Sinha (Sperm DNA)	1,78,295.00		1,50,189.00	
iii) Ujjawala Gaikward (Micro Surviulliance)	3,46,515.00		2,61,732.00	
iv) Sanjay Negi (Mycobacterium)	2,37,808.00		2,37,808.00	
v) Suprava Patel (Congenital Hypothyrodism)	34,522.00		34,522.00	
vi) Ajali Pal (Folic Acid Supply & Folic Acid)	3,20,042.00		60,000.00	
vii) Anudita Bhargav (Scrub Typhus Del)	22,575.00		22,575.00	
viii) Eli Mohapatra (Serum ferritin metablic synd)	80,000.00		25,000.00	
ix) Jayshree Ghate (V-D Somantic 7 Neuro)	1,20,000.00		24,000.00	
x) Jeshy Abraham (breast cancer therapy)	9,887.00		9,887.00	
xi) Meenakshi Sinha (heart rate variability)	(72,333.00)		(1,51,258.00)	
xii) Prashanta Nayak (Uterine Cervix)	25,444.00		25,000.00	
xiii) Ekta Khandelwal (Sickle Cell)	54,334.00		-	
xiv) Habib Karim (Risk Stratification)	1,42,492.00		-	
xv) Pushpawati (PCOS)	15,000.00		-	

SCHEDULE [11] CURRENT ASSETS, LOANS, ADVANCES ETC.				
Particulars	Current Year 2019-20		Previous Year 2018-19	
	₹		₹	
xvi) Sankalp Sharma (Blood Tranfusion Receipeints)	1,90,533.52		-	
xvii) S Mandal (Inflamation in Major Depression)	63,000.00		-	
xviii) Tushar Jagz. (Sensitization Ptterna of Allerg)	4,440.00		-	
xix) Vinita Singh (Serum Testoterone Sickle Male)	2,40,720.00		-	
xx) Yogendra Keche (Geriatric Patients)	17,500.00	23,92,936.52	-	10,61,617.00
6) Secured Advance to Contractor Supplier	6,44,805.00	6,44,805.00	-	-
TOTAL		2,26,64,57,287.55		1,63,26,04,685.83

Note: Amounts due within one year




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SCHEDULE [12] INCOME FROM SALES/ SERVICES		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
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	13,34,056.00	10,55,220.00
b) Entrance Fees	3,53,12,289.00	16,00,600.00
c) Examination Fees	36,395.00	1,36,836.00
d) Student Transcript Fee	4,000.00	6,500.00
e) Other Receipts	5,23,256.00	6,060.00
ii) Receipts From Hospital		
a) Attendent Pass	-	4,078.00
b) Blood Bank	5,93,046.00	2,83,174.00
c) CT Scan Receipts	45,59,819.00	27,78,103.00
d) ECG Receipts	6,62,575.00	5,13,370.00
e) ECHO Receipts	3,79,800.00	2,13,200.00
f) IPD Receipts	96,27,924.00	28,87,415.00
g) Medical Fitness	10,160.00	5,535.00
h) MRI Receipts	33,17,255.00	26,92,005.00
i) OPD Receipts	20,19,410.00	11,73,270.00
j) Ophthalmology Test Amount	29,410.00	21,520.00
k) OT Procedure Receipts	55,21,280.00	28,34,765.00
l) USG Receipts	6,31,670.00	4,63,850.00
m) X-Ray Receipts	69,94,285.00	23,84,955.00
n) Yellow Fever Receipts	94,800.00	1,14,000.00
o) POS Income	82,92,121.47	26,02,553.01
p) Other Receipts	4,74,927.00	1,53,849.00
q) Anatomy Department Receipts	76,000.00	36,000.00
r) Lab Services	3,68,92,714.00	78,59,798.00
s) Nuclear Medicine	31,25,850.00	2,48,400.00
t) Radiology	3,000.00	4,500.00
u) Radiotherapy	5,20,125.00	-
Total	12,10,36,167.47	3,00,79,556.01


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SCHEDULE [13] GRANTS/ SUBSIDIES		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
(Irrevocable grants & Subsidies Received)		
a) Central Government (Ministry of Health & Family Welfare))		
i) Grants-in-Aid (Salary)	1,77,28,00,000.00	65,76,00,000.00
ii) Grants-in-Aid (General)	87,69,00,000.00	55,61,00,000.00
iii) Grants-in-Aid (Creation of Capital Assets)	70,51,00,000.00	-
iv) Grants-in-Aid (Swachhata Action Plan) (General)	3,00,00,000.00	-
b) State Government	-	-
c) Government Agencies	-	-
d) Institutions/ Welfare Bodies	-	-
e) International Organisations	-	-
f) Others (specify)	-	-
Total	3,38,48,00,000.00	1,21,37,00,000.00


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SCHEDULE [14] FEES/ SUBSCRIPTIONS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
a) Entrance Fees	-	-
b) Annual Fees/ Subscriptions	-	-
c) Seminar/ Program Fees	-	-
d) Consultancy fees	-	-
e) Others (Specify)	-	-
Total	-	-

SCHEDULE [15] INCOME FROM INVESTMENT		
	2019-20 ₹	2018-19 ₹
(Income on Invest. From Earmarked/ Endowment Funds transferred to Funds, Rent etc.)	₹	₹
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 2019-20 ₹	Previous Year 2018-19 ₹
a) Income From Royalty	-	-
b) Income from Publications	-	-
c) Others (Specify)	-	-
Total	-	-

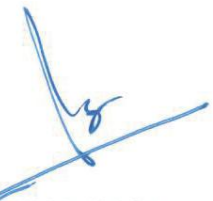

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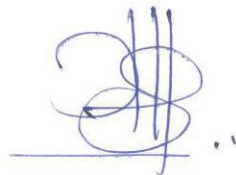
SCHEDULE [17] INTEREST EARNED		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
a) On Term deposits :		
i) With Scheduled Banks	1,61,52,199.00	11,23,38,347.00
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
b) On Saving Accounts:		
i) With Scheduled Banks	19,476.00	-
ii) With Non Scheduled Banks	-	-
iii) With Institutions	-	-
iv) Others	-	-
c) On Loans		
i) Employees/ Staff	-	-
ii) Others	-	-
d) Interest from CSEB	20,63,878.00	19,86,382.00
e) Interest Receipt from Mobilization Advances	-	1,58,411.00
f) Prior Period Interest Income	-	6,99,43,370.00
Total	1,82,35,553.00	18,44,26,510.00


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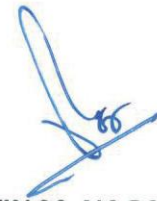

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SCHEDULE [18] OTHER INCOME		
	Current Year 2019-20	Previous Year 2018-19
	₹	₹
a) Profit on Sale/ disposal of Assets		
i) Sale of Cartoons	-	-
b) Licence Fees	15,91,796.00	5,76,599.00
c) Tender Fees	2,71,090.00	3,71,500.00
d) Miscellaneous Income		
i) Liquidated Damage	45,51,101.00	16,61,383.00
ii) Notice Period Recovery from Staff	30,19,552.00	37,31,220.00
iii) Forfiture of SD/EMD/FDR	-	19,57,688.00
iv) Received from Guest House	2,05,960.00	4,77,680.00
v) Other	1,58,982.00	3,14,390.00
vi) Received from Gym	9,700.00	13,850.00
vii) General Damage	1,43,596.00	21,297.00
viii) Penalty Receipts	75,61,062.00	40,43,103.00
ix) Receipt from Labour Charges Collection	13,005.00	55,555.00
x) Receipt from Postal Order deposits/RTI Fee	2,445.00	2,170.00
xi) Recovery for Risk & Cost	-	16,560.00
xii) Non Performance Charges	1,06,95,000.00	-
e) Rent	13,95,359.00	44,53,571.00
f) Receipt in ARPAN Fund	1,78,61,813.60	43,053.00
g) Employee Health Scheme	63,45,858.00	40,34,106.00
h) Kayakalp Award Money Receipt	-	-
i) Donation from Chhattisgarh Rajya Gramin bank for VAN	-	11,32,031.00
j) Ayushman Bharat Claim Receipts	4,89,96,989.05	30,96,639.00
k) Discount Received	10,000.00	-
Total	10,28,33,308.65	2,60,02,395.00



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SCHEDULE [19] INCREASE/ (DECREASE) IN STOCK IN FINISHED GOODS		
Particulars	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
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 2019-20 ₹	Previous Year 2018-19 ₹
Salaries, wages	1,06,53,07,776.00	94,08,73,683.00
Allownces	59,33,80,610.00	41,23,62,408.00
Contribution to New Pension Scheme	8,22,12,550.00	4,94,20,860.00
Leave Salary and Pension Contribution for deputed Officer/Faculty	33,18,719.00	34,69,643.00
Staff welfare expenses	-	-
Others (Leave Travel Concession)	76,98,242.00	44,24,085.00
Total	1,75,19,17,897.00	1,41,05,50,679.00



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SCHEDULE [21] OTHER ADMINISTRATIVE EXPENSES ETC.		
Particular	Current Year	Previous Year
	2019-20	2018-19
	₹	₹
Electricity and Power	12,83,17,427.29	8,93,93,025.00
Repair and Maintenance	1,96,42,060.00	4,55,54,163.00
Advertisement	1,79,87,690.00	1,27,82,453.00
Telephone	27,63,351.00	24,90,845.00
Postal charges	2,76,114.75	2,31,350.00
Printing and Stationary	1,01,05,300.00	45,63,488.00
Training & Development Expenses	2,48,377.00	-
Entertainment expenses	1,88,075.00	1,25,073.00
Meeting Expenses	23,99,344.40	9,64,587.00
Outsourcing expenses	30,81,53,547.00	23,22,40,322.00
Learning Resource Allowances	2,30,63,128.00	2,69,81,898.00
Medicine & Consumables	21,83,05,228.75	8,39,78,033.60
Travelling	1,86,29,705.00	1,57,36,830.00
Conference/Seminar Registration Expenses	9,38,702.00	5,72,365.00
Software Maintenance Expenses	10,02,335.00	5,02,979.00
Electrical Maintenance Expenses	57,56,555.00	76,82,798.00
Food Supply Patient	1,94,46,153.00	1,80,12,520.00
Books, News Paper, Magazines	29,53,419.76	6,73,514.00
Office Expenses	3,82,435.60	32,47,114.00
Garbage Disposal Expenses	10,20,950.00	7,839.00
Rent & Hire Charges	60,09,437.00	53,74,091.00
Fuel Charges	5,86,030.00	11,72,015.00
Professional Legal & Statutory Charges	5,38,50,979.00	4,29,000.00
Audit Expenses	2,00,000.00	3,24,960.00
Bank Charges	12,42,997.51	1,44,327.62
Insurance	33,375.00	19,260.00
Computer Repair & Maintenance	47,060.00	7,89,679.00
Examination Expenses for various recruitment	63,97,602.00	1,31,70,843.00
Electricity Additional Loading Charges	5,000.00	14,16,000.00
Municipal Taxes	38,22,860.00	38,55,827.00
Admission fees (Transfer/Refund)	-	8,359.00
Price Distribution Expenses	32,040.00	1,20,977.00
Stipend Paid to Students	35,51,843.00	2,21,41,738.00
Consumables (General)	1,33,34,384.50	94,27,817.40
Freight Expenses	34,626.00	85,102.00
Sports Items	-	2,71,607.00
Book Allowance	1,35,952.00	59,540.00
Licence Fee for LMO	2,55,000.00	2,000.00
Medical Treatment	-	73,497.00
Total	87,11,19,084.56	60,46,27,836.62


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SCHEDULE [22] EXPENDITURE ON GRANTS, SUBSIDIES ETC.		
Particular	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
a) Grants given to Institution/ Organisations	-	-
b) Subsidies given to Institutions/ Organisations	-	-
c) Expenses Under Kayakalp Award Money Receipt	11,66,202.00	24,99,171.00
Total	11,66,202.00	24,99,171.00

SCHEDULE [23] INTEREST		
Particular	Current Year 2019-20 ₹	Previous Year 2018-19 ₹
a) On Fixed Loans	-	-
b) On Other Loans (Including Bank Charges)	-	-
c) Others (Specify)	-	-
Total	-	-



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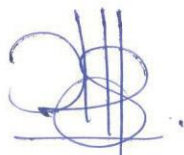
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UTILIZATION CERTIFICATE FOR THE PERIOD 01.04.2019 TO 31.03.2020

UTILIZATION DETAILS		
Particular		Current Year 2019-20 ₹
Opening Balance of Grants		
GIA- Salary	2,21,94,285.00	37,30,90,013.04
GIA- General	5,65,76,729.55	
GIA- Creation of Capital Assets	24,57,48,152.49	
GIA- Creation of Capital Assets (Non Recurring)	3,50,000.00	
GIA- General (Swatchhata Action Plan)	4,82,20,846.00	
(+) Grant Received During The Year		
GIA- Salary	1,77,28,00,000.00	3,38,48,00,000.00
GIA- General	87,69,00,000.00	
GIA- Creation of Capital Assets	70,51,00,000.00	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- General (Swatchhata Action Plan)	3,00,00,000.00	
(-) Utilization During the Year		
GIA- Salary	1,75,19,17,897.00	3,21,23,69,699.52
GIA- General	87,11,19,084.56	
GIA- Creation of Capital Assets	58,80,43,395.96	
GIA- Creation of Capital Assets (Non Recurring)	-	
GIA- General (Swatchhata Action Plan)	12,89,322.00	
Unspent Balance on Grants		
GIA- Salary	4,30,76,388.00	54,55,20,313.52
GIA- General	6,23,57,644.99	
GIA- Creation of Capital Assets	36,28,04,756.53	
GIA- Creation of Capital Assets (Non Recurring)	3,50,000.00	
GIA- General (Swatchhata Action Plan)	7,69,31,524.00	



B.K. AGRAWAL
FINANCIAL ADVISOR



Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR and CEO

SIGNIFICANT ACCOUNTING POLICIES AND NOTES TO ACCOUNTS AS ON 31.03.2020**A. ACCOUNTING CONVENTION**

- The financial statement are prepared on the basis of historical cost convention, unless otherwise stated and on the accrual method of accounting. The expenses/capitalization of fixed assets are booked on the basis of sanction order for payment.

B. INVESTMENTS

- No investment made during the year ended on 31st March 2020.

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.
- Amount transferred from WIP Packages of ₹ 552.71 crore to Fixed Assets is incorporated as under
 - a. WIP Package-I amounting ₹ 128.00 crore transferred to Building Head under Fixed Assets i.e. Schedule-8.
 - b. WIP Package-II amounting ₹ 315.00 crore transferred to Building Head under Fixed Assets i.e. Schedule-8.
 - c. WIP Package-III amounting ₹ 43.94 crore transferred to Electric Installations Head under Fixed Assets i.e. Schedule-8.
 - d. WIP Package-IV amounting ₹ 65.77 crore transferred to Building Head under Fixed Assets i.e. Schedule-8.

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 in financial year 2019-20 but put to use is after financial year 2019-20, no depreciation is charged. Similarly assets which are purchased in different previous years and whose put to use date is in F.Y. 2019-20 depreciation has been charged accordingly.
- Amount of Depreciation on Packages as mentioned in Point C Fixed Assets has been calculated and incorporated in Fixed Assets i.e. Schedule-8.

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.

- AIIMS Raipur vide letter no. 54 (1001)/SE/AIIMS/RPR/1724 dated 19.03.2020 have issued the Virtual Completion Certificate for the following 4 Packages with the Capital Investment:-

S.N.	Particulars	Virtual Completion Date	Amount in Crores
1	Package-I (Medical College & Hostel Complex)	28.02.2020	128.00
2	Package-II (Hospital Complex)	21.11.2019	315.00
3	Package-III (Electrical Services)	28.02.2020	43.94
4	Package-IV (Estate Services)	28.02.2020	65.77
Total			552.71

Difference between cost of Packages as above and cost incurred by AIIMS, Raipur ₹ 161.96 is capitalized by ₹ 390.75 (₹ 552.71- ₹161.96) during F.Y. 2019-20 and has been shown in Corpus/Capital Fund Schedule-1.

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

- No provision for retirement benefit for gratuity etc. are made or accounted for. However, this year AIIMS Raipur has opened 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.

Some employees have joined AIIMS, Raipur on technical resignation and have been given the benefit of Old Pension Scheme. Accordingly their GPF Subscription has been deducted. Their GPF Subscription and Prorata Pensionary benefits of ₹ 2,20,84,102.00 is to be transferred in above bank account as shown in Schedule-7.



B.K. AGRAWAL
FINANCIAL ADVISOR

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Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR and CEO

SCHEDULE- 25

CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS

A. CONTINGENT LIABILITIES

- Letter of Credit opened by bank on behalf of the entity as on 31.03.2020 are followed:-

LC Number	Currency	Value	Value in ₹
9357FLCDP170007	GBP	12540	12,07,853.00
9357FLCDP180007	EURO	34869.80	29,91,829.10
9357FLCDP180008	EURO	7677.50	6,58,730.00
9357FLCDP190002	EURO	823.97	70,697.00
9357FLCDP190005/6	USD	445208.25	3,36,31,031.00
9357FLCDP190010	JPY	924000	6,46,800.00
9357FLCDP190011	JPY	2450000	17,15,000.00
9357FLCDP190012	USD	7635	5,76,748.00
9357FLCDP190014	USD	91684.12	69,25,818.00
9357FLCDP190015	USD	6900	5,21,226.00
9357FLCDP190016	EURO	11250	9,65,250.00
9357FLCDP190017	USD	4277.50	3,23,112.00
9357FLCDP190018	USD	112500	84,98,250.00
9357FLCDP200002	USD	31207	23,57,377.00
9357FLCDP200005/4	USD	21588	16,30,758.00
9357FLCDP200008/7	EURO	6000	4,53,240.00
9357FLCDP200011	USD	10180	7,68,997.00
9357FLCDP200013/12	USD	535635	4,04,61,868.00
9357FLCDP200014	USD	32705	24,70,536.00
9357FLCDP200017	USD	149408	1,12,86,280.00
Total			11,81,61,400.10

B. 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.

C. 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.

D. FOREIGN CURRENCY TRANSACTION

Value of Imports Calculated		2019-20	2018-19
i	Purchase of Finished Goods	Nil	Nil
ii.	Raw Material & Components (Including in Transit)	Nil	Nil
iii.	Capital Goods	₹13,80,38,765.00	₹ 71,04,703.44
iv.	Stores, Spares and Consumables/Software renewal	₹20,12,224.76	Nil

E. Bank Guarantee/ FDR Detail

PSD in the form of Bank Guarantee and FDR kept in AIIMS, Raipur as on dated 31.03.2020 is as below:-

S.N.	Department	Amount in Crore
1	Project Cell for Packages/DPR Works	54.17
2	Project Cell for Non-DPR Works	00.85
3	Administration	02.22
4	Stores Central	13.63
5	Stores Hospital	00.94

F. Other Notes

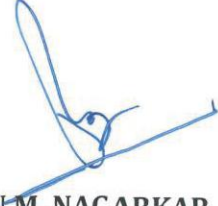
1. Corresponding figures for the previous year has been re-grouped and re-arranged wherever found necessary.
2. Schedule 1-25 are annexed to and form an integral part of the balance sheet as on 31.03.2020 and Income and Expenditure for the year ended on the date.
3. Amount of ₹ 6,203.00 of Liquidity Damage charges has been credited on 12.09.2018 which was actually of AIIMS, Mangalagiri but wrongly credited in AIIMS, Raipur. Therefore rectification entry passed and transferred to Mangalagiri account.
4. Amount of ₹ 6,202.00 of Liquidity Damage charges has been credited on 12.09.2018 which was actually of AIIMS, Nagpur but wrongly credited in AIIMS, Raipur. Therefore rectification entry passed and transferred to Nagpur account.
5. During F.Y 2014-15 CT Scan Machine was purchased from Philips Medical System and tentative amount of ₹ 4,59,72,107.00 was booked instead of ₹4,29,07,343.00 against which 75% payment of ₹ 3,21,80,507.00 was made by Bank of India on dated 28.09.2014 therefore current liability reduced by ₹ 30,64,764.00. Now balance payment of 25% i.e. ₹1,07,26,836.00 was due. In F.Y. 2016-17 payment of ₹1,10,65,969.00 was made to Philips India Limited on 27.04.2016 i.e. ₹3,39,133.00 more which is because of exchange rate difference. This extra expenditure should have been booked during F.Y. 2016-17 which was not booked at that time, so booked in F.Y. 2019-20 as prior period expenses. Depreciation of ₹ 59,74,992.00 is also adjusted accordingly.
6. Rent receivable from Amul Parlour was over booked by ₹9,976.00 per month i.e. (25500-15524) since July 2013 therefore amount reversed in current F.Y. 2019-20 by ₹ 6,88,344.00 i.e. (₹9976x69months).
7. WIP (AIIMS) as reflecting in Schedule-8 includes amount of ₹ 24,96,02,400.00 which is paid to CPWD for construction of Administrative & Academic Block.

G. COMPLIANCE OF SAR OBSERVATIONS FOR FINANCIAL YEAR 2018-19.

1. As per CAG Audit observation **A. General Point No. 1** for F.Y. 2018-19 interest received on GIA which was earlier booked as income is now rectified and transfer to current liability as "interest refundable to MoHFW". While Interest on Self-Generated Income is shown in Schedule-7.
2. As per CAG Audit observation **A. General Point No. 2** for F.Y. 2018-19, in this year AIIMS Raipur has opened 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.



B.K. AGRAWAL
FINANCIAL ADVISOR



Prof. (Dr.) NITIN M. NAGARKAR
DIRECTOR and CEO



आरोग्यम् सुख सम्पदा

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 2020.

We have audited the attached Balance Sheet of All India Institute of Medical Sciences (AIIMS), Raipur as on 31 March 2020, the Income and Expenditure Account and the Receipt and Payment Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Powers and Conditions of Service) Act, 1971. These financial statements are the responsibility of AIIMS' 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 and 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 disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluation of the overall presentation of financial statements. We believe that our audit provides a reasonable basis for 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 Receipt and Payment Account dealt with by this report have been drawn up in the format approved by the Ministry of Health and Family Welfare.

(iii) In our opinion, proper books of account and other relevant records have been maintained by AIIMS, Raipur in so far as it appears from our examination of such books.

(iv) We further report that:--

A. General :

1. An amount of ₹ 1,34,34,032 /- ¹is the fund balance available/liability for various extramural funds. However, as per Current Liabilities and Provisions (Schedule-7) the total liability for extramural funds is ₹ 2,19,37,361.44 /-. Difference of ₹ 85.03 lakh needs rectification.
2. Provision of retirement benefits (for old pension scheme related officials) was not made on actuarial basis. The same issue was taken in previous SAR.

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, Raipur through a Management Letter issued separately for remedial/ corrective action.

C. Grant-in-aid including internal receipts.

During the year 2019-20, AIIMS Raipur received grant-in-aid of ₹ 338.48 crore and Interest received amounting to ₹ 9.90 crore along with internal receipt of ₹ 24.49 crore. In addition to this, there was an unspent balance of ₹ 118.43 crore of previous year unspent balance includes ₹ 55.57 crore upto March 2019 as interest on GIA and unadjusted advance of ₹ 5.26 crore. Thus out of total available funds of ₹ 491.30 crore an amount of ₹ 321.24 crore was utilized leaving an unutilized balance of ₹ 170.06 crore (including interest on GIA amounting to ₹ 65.47 crore upto March 2020) and there was ₹ 19.53 crore unadjusted advance. Thus total unutilized balance of GIA is ₹ 189.59 crore at the end of the year. Further, unspent balance of GIA has been accounted for as Corpus/ Capital fund instead of Current Liabilities (This was pointed in previous year SAR also.)

- (v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and the Receipt and Payment Account dealt with by this report are in agreement with the books of accounts.
- (vi) In our opinion and to 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 Accounts and subject to the significant matters stated above and other matters stated in Annexure to this audit report

¹ Scrutiny of reply for memo No./RCEAP-2/AIIMS,RPR/SAR/2019-20/33 revealed.

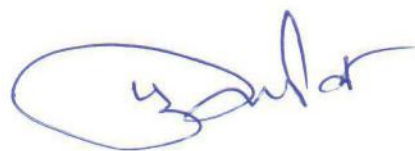
give a true and fair view in conformity with accounting principles generally accepted in India:

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Raipur as at 31 March 2020; and
- b. In so far as it relates to Income and Expenditure Account of deficit, for the year ended on that date.

For and on behalf of the Comptroller and Auditor General of India

Place: - New Delhi

Date: -



Director General of Audit

(Central Receipts)

Annexure

1 Adequacy of Internal Audit system:

Internal Audit system was found to be inadequate due to:

- (i) There is no internal audit manual in use. However, a committee has been constituted by MOHFW for making of a common manual for six new AIIMS.
- (ii) 16 paras ara pending of internal audit.
- (iii) No internal audit has been conducted from 2016-17 to 2019-20.

2 Adequacy of Internal control system:

The internal control system was found to be inadequate due to:

- (i) 07 paras of compliance audit were still pending.
- (ii) 16 paras of internal audit were still pending.
- (iii) Item wise highest and lowest levels of consumable stock have neither been fixed nor maintained.
- (iv) AIIMS Raipur has no Accounting Manual of its own.
- (v) There is no training and development policy in place.
- (vi) No disclosure regarding disposal of consumable items worth ₹ 3000 /- was made.
- (vii) There was huge amount of advance ₹ 19.25 crore (Miscellaneous advances) remained unadjusted at the year end. This shows inadequacy in internal control of the organisation over adjustment of advances.

3 Physical Verification of Fixed Assets:

Complete Physical verification of Fixed Assets was not conducted during the year due to COVID-19 situation

4 Physical Verification of Inventories:

Physical verification of inventories was conducted during the year.

5 Regularity in payment of Statutory Dues:

Delay was noticed in the payment of statutory obligations due to heavy rush of work and COVID-19 pandemic in March 2020.


Sr. Audit Officer/AMG-II



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, RAIPUR
AIIMS CAMPUS, TATIBANDH, RAIPUR, CHHATTISGARH -492099

www.aiimsraipur.edu.in

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