

8th ANNUAL REPORT 2019-20



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES
BHUBANESWAR**



डॉ हर्षवर्धन

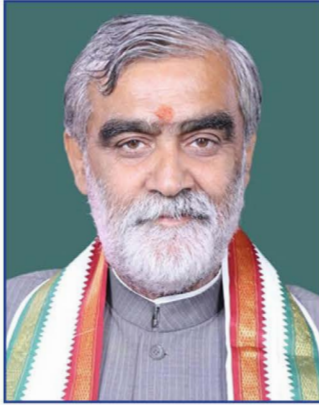
Dr. Harsh Vardhan

माननीय केंद्रीय मंत्री

Hon'ble Union Minister

स्वास्थ्य और परिवार कल्याण मंत्रालय

Ministry of Health & Family Welfare



श्री अश्विनी कुमार चौबे

Sh. Ashwini Kumar Choubey

माननीय राज्य मंत्री

Hon'ble Minister of State

स्वास्थ्य और परिवार कल्याण मंत्रालय

Ministry of Health & Family Welfare

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Directors Review



It gives me great pleasure to present the annual report of AIIMS Bhubaneswar 2019-2020 and describe the activities we have undertaken and mile stones we have achieved as an institution. The year has been filled with the inauguration of many facilities, services, laboratories and academic events. Our achievements are a testament to the passion, motivation and hard work of our faculty, students and staff. The guidance of our President, Professor Subbrat Kumar Acharya has contributed in great measure to our growth as an institution. His immense wisdom, as well as his desire to contribute to his birthplace coupled with his simplicity and openness have made us reciprocate his passion to some extent. I also place on

record the support received from the Ministry of Health and Family Welfare. All officials have been immensely generous and given advice whenever needed and guided us. We thank the previous Minister of Health and Family Welfare, Govt. of India, Hon'ble Shri. J.P.Nadda and the present Minister of Health and Family Welfare Hon'ble Dr.Harsha Vardhan for supporting us and guiding our institute and look forward to continued support and guidance.

With a daily footfall touching 4500 patients on certain days in our outpatient departments, approximately 1200 surgeries per month and 1500 inpatient admissions each month, AIIMS Bhubaneswar has established itself as a central tertiary care facility of Odisha and neighbouring states. We are well on our way in the process of making the hospital fully functional with 803 out of the 978 beds operational, 15 out of the 25 modular Operation Theatres which are functioning and 67 out of the proposed 112 Intensive Care Beds which are operational with 27 ventilator beds. The hospital also did 18.37 lakhs laboratory investigations last year. We have instituted mechanised cleaning in the hospital, and embarked on a Swachchatha campaign which aligns itself on the Kayakalp model. The commitment and enthusiasm of all faculty and staff led us to win the 2nd prize of one crore rupees at the Kayakalp awards ceremony from the Ministry of Health & FW, for the second consecutive year.

Today we have 184 regular faculty out of the 305 sanctioned posts (59%) for the medical college and all 12 sanctioned faculty for the College of Nursing. Almost all our faculty have received training in the top institutions of this country and abroad and bring with them the academic culture and work ethic that exemplify ethics, integrity and professionalism. I am indeed honoured to lead a team of highly motivated and inspired faculty members who are determined to build this institution into an unparalleled edifice of learning and patient care.

The undergraduate medical curriculum has already been modified by introducing a competency-based curriculum, early community and clinical exposure, two month elective postings, newer blended methods of teaching-learning, inclusion of humanities and languages, improved assessment systems and more integration of basic sciences with clinical subjects. The PG specialty and the Super specialty curricula have also been revamped, introducing a mandatory paper in research methodology and statistics in their first year, formative assessment, and a harmonization of the final exam across subjects. The ambience and culture of AIIMS Bhubaneswar facilitates self-directed learning and promotes our students to become lifelong learners capable of working in the most challenging environments with service to humanity as their goal.

The College of Nursing has a full strength in faculty and tutors. With the clinical integration model in place the faculty and tutors of the College of Nursing are fully involved in providing patient care and work along with the nursing staff of the hospital in providing care. Clinical integration of the OTs and the ICUs are now yielding better results in terms of lower hospital infection rates, less delay between cases and better documentation and improved patient safety. Regular Continuing Nursing Education programmes are now conducted in certain wards enabling the nursing officers to update their skills and knowledge.

The standing of an institution in academia is judged by the quality of the faculty and the quality of the students it produces. The batches of medical and nursing students who have passed out have done us proud in getting very high ranks in the various entrance exams and many of them have now started their postgraduation courses in Institutions of repute with some choosing to join us back. This proves that our students rate their learning experience here as pleasurable and challenging and worthy of coming back here for their postgraduation.

Early this year, we had the privilege of opening many new services, wards, facilities and conveniences for patients, students and the public. The opening of the 15 modular OTs, new ICUs, a state-of-the-art CSSD, staff canteen, tennis court, overhead bridge connecting the residential colony with the hospital campus, extra toilets for patients' attenders, battery operated vehicles to transport patients from the gate to the hospital, CCTV coverage in hostels and many hospital areas to improve security, the bar coding of hospital waste management are some of our plans that have materialized. Perhaps the most awaited change that was implemented after much hard work was our hospital information system and laboratory information system which needed a much longed for make-over. We have switched over to a new platform which gives the residents and faculty the choice to access clinical reports from the wards without wasting time. The IT cell went to working long hours to get this fixed. The opening of a 14 bedded dialysis wing which is now running in three shifts 24X7 is again the outcome of a single faculty member's initiative to provide nephrology care to the people of this region. We now provide interventional cardiac services and cardiac electrophysiology services, sleep polysomnography studies, endoscopy services in gastroenterology and pulmonary medicine. The AYUSH wing with the newly selected medical officers and with the unit of the CCRYN is now providing services in all the traditional systems of Medicine. We have also opened a palliative care ward and an infectious diseases ward with six beds each. On 25th December last year, the hon'ble Minister of Health & Family Welfare, Dr Harsh Vardhan and the hon'ble Minister of Petroleum and Steel Shri Dharmendra Pradhan inaugurated the cath lab and a digital fluoroscopy suite. Our urology department has now done 100 laparoscopic nephrectomies, our ENT department has done 100 cochlear implants, these numbers are important milestones as we can map our journey from fledgling departments trying to find their way to make a mark in the field. With large numbers of cancer patients knocking on our doors, the radiotherapy department, medical and surgical oncology departments are trying their best to cope with the high demand and reduce waiting time. We are the first institution in Odisha to start hyperthermic intraperitoneal chemotherapy. We now routinely provide intraoperative brachytherapy for breast cancer, perform sentinel node biopsies and perform almost all high end laparoscopic surgeries. An advanced laparoscopic training centre has been established in the department of surgery.

On boarding of Ayushman Bharat and Biju Swasthya Kalyan Yagna has led to many satisfied patients and on the flip side, long queues of those seeking hospitalization. Many children are beneficiaries of the RBSK scheme, with our faculty treating congenital problems like cleft lip and palate, club foot, congenital cataract and other deformities. On the preventive side, our community and family health department are conducting clinics in preventive cardiology and oncology and non-communicable diseases. We conduct a patient education programme in the foyer of the OPD every month in Odiya on various diseases and life style modification programmes.

The Administration section has done many rounds of recruitment, completed the selection of 1212 posts that were advertised. The procurement section has been coping up marvellously with the increased demand for consumables, equipment, furniture and so many other items including tenders. As mentor institute of AIIMS Kalyani, we have also successfully conducted the interviews for faculty of four departments of AIIMS Kalyani and enabled them to start classes for the first batch of students at AIIMS Kalyani. AIIMS Bhubaneswar library has implemented a fully automated system with RFID technology and subscribes to a large number of online journals so that our faculty and students will stay updated.

The Engineering division has executed a great deal of work and coped marvelously during cyclone Fani in May, in making certain that all damaged structures and equipment were quickly brought back to working condition.

The Finance Division has secured funding under the HEFA scheme for AIIMS Kalyani and Guwahati and has ensured that our procurement stays on track within the regulatory norms and that our financial health is sound.

Many national, regional and state-level workshops, seminars, conferences have been held by the various departments bringing academics from our country as well as other countries to share their experiences and knowledge. The establishment of AIIMS Bhubaneswar Quality Council to improve all aspects of patient safety as well as initiate research into patient safety is proving useful as we are now able to document systemic errors that can be solved. We continue to hold formal, regular, monthly mortality and morbidity meetings that was started a year ago to learn from our mistakes. The Internal Complaints Committee has conducted many sensitization programmes for faculty and staff on sexual harassment in the workplace.

The medical education unit and institute research cell have been inspired to conduct many faculty development programmes, PG and interns orientation programmes and training programme for senior residents in pedagogy and for junior residents in molecular biology techniques. Intramural research funds have been disbursed to many faculty members to enable them to start projects which may help them collect data and use it to apply for extramural research funds. This year alone, we have received 2.92 crores of funding for extramural research grants. An innovation centre on a consortium model has been set up with faculty from IIT Bhubaneswar, Institute of Life Sciences, IISER and IIIMT along with our faculty have started on projects towards the creation of products with seed money promised from all the institutes. Our medical education unit conducted its first extramural training programme titled "Principles & Practice of Medical Education" for the faculty of AIIMS Kalyani in August last year. Induction training has been conducted in phases for more than 300 of the newly joined nurses as well as the junior administrative officers who have joined in administration. We are now mentoring the Ispat General Hospital at Rourkela as well as AIIMS Kalyani in West Bengal and AIIMS Gauwhati in Assam which has substantially added to our administrative and financial workload. Our service areas cover Nayapalli, Mehndasal and Tangi where we have interns and residents staying at the rural health centre and providing care 24X7.

We have started many construction projects like the administrative building, Balasore satellite centre, addition of hostel and residential quarters, level 1 trauma facility, burns centre, dharamshala which are likely to be completed within the next one or two years. PET CT and cyclotron, high end simulation centre, our second HELA, gamma knife centre and a clinical microbiome research facility are those for which we have received financial approval and procurement process have started. We have signed MoUs with many institutions and received funds as a part of the corporate social responsibility of many companies. I thank all of them for their generous contribution to AIIMS Bhubaneswar and assure them that they will be put to good use.

I believe that we have, in a sense, seen all round growth in which we have built on our strengths, addressed the weaknesses and challenges and taken advantage of the opportunities that have presented itself. I hope to be able to contribute to the continued growth and expansion of this institute in the coming year.

Dr Gitanjali Batmanabane



GENERAL
ADMINISTRATION

GENERAL ADMINISTRATION

The General Administration Division of the Institute is an important Wing Managing the activities which renders administrative support to the Director to meet the objectives of the Institute. It broadly includes all Establishment Matters of Faculty and Non-Faculty, Stores & Procurement, Recruitment of the Faculty & Non-faculty posts, Reservation in Services, Contract Management, RTI Complaints, Grievances Handling, Management of Legal Cases Administrative Interdepartmental Co-ordination, conducting IB, GB & CIB meetings and all other administrative matters as assigned by the Director.

The General Administration headed by Deputy Director (Administration) is assisted by Senior Administrative Officer, Assistant Administrative Officer, Office Superintendent and other Staff.

The General Administration has carried out the following important activities during the year besides all other regular & routine administrative activities:

Recruitment

The total Sanctioned Staff Strength of AIIMS, Bhubaneswar is 4089, including Medical College, Hospital, College of Nursing and Administration. The details are given as under: -

Sl No	Category	Sanctioned Strength	Regular	Deputation	Contractual	Tenure (SR)	Outsourced	Total Staff in position
1.	Project Cell Officer	08	-	05	-	-	-	05
2.	Faculty	305	175	-	04	-	-	179
3.	Group A	922	44	09	232	211	-	496
4.	Group B	2228	671	13	104	-	255	788
5.	Group C	626	-	-	-	-	372	372
	Total	4089	890	27	340	211	627	1840

Sl No.	Category	Sanctioned Strength	Total Staff in position
1.	Project Cell Officer	08	05
2.	Faculty	305	179
3.	Group A	922	496
4.	Group B	2228	788
5.	Group C	626	372
	Total	4089	1840

Recruitment

1. Recruitment process of 125 Regular Faculty posts was completed and Offer of Appointment to 31 selected Candidates were issued.
2. Recruitment process of 03 Nos. of Faculty posts on contractual basis was completed.
3. Recruitment of 14 Nos. of Group-A Non-faculty posts were advertised.
4. 107 Nos. of Group A & B posts were advertised on Deputation basis.
5. 136 Offer of Appointments were issued for the post of Nursing Officer.

Response to RTI Queries and Grievance redressal mechanism

A robust mechanism is at place for immediate address of all RTI queries and Grievances redressal. Against the receipt of 333 queries on various matter and 38 appeal cases under RTI Act during the year from General Public all the cases have duly been complied well within the stipulated time limit. Besides, 99 Grievance Petitions received from various staff holders during the year have also been duly addressed without any pendency.

Stores & Procurement

The Stores & Procurement Section of the General Administration has played a key role to carry out the stores & purchase activities of the Institute headed by the Stores and Senior Procurement Officer assisted by Assistant Store Officers & Store Keepers. The Stores & Purchase Section deals with procurement, Receipt and Distribution of various types of items like equipment, instruments, Drugs, disposables, consumables, kits, chemicals, Re-agents etc. The Section deals with the complete procurement of various types of following items:-

- a. Medical Equipment.
- b. Medical Instruments.
- c. Drugs & Disposables.
- d. Consumables.
- e. IT related equipment and items.
- f. Office Stationery/equipment.
- g. Hospital/Hostel/Office Furniture.
- h. Tenders related to various Canteen/Transport/Manpower/Sanitary services etc.

Items related to the successful implementation of “Swachh Bharat” are being purchased to maintain cleanliness and hygienic conditions at AIIMS, Bhubaneswar.

Various purchases have been done regarding waste management as per the guidelines of Gol. Many important works related to IT like HMIS implementation through C-DAC, codification of hospital samples, implementation of S-FACT Software in Research Cell have been successfully executed, as per the requirement and guidance by the user Department.

Total procurement worth Rs. 71.73 Crores (More than 1600 cases) has been materialized in the last FY. Maximum emphasis has been given for the procurement of the items through GeM amounting to Rs. 11.6 Crores (more than 500 Purchase Orders).

The Section has played a pivotal role for preparedness and containment of COVID-19 Pandemic. A lot of Equipment, Instruments, Drugs and Disposables, Kits and Re-agents etc. have been timely purchased amounting and some of the cases are under progress for procurement amounting to Rs. 16.27 Crore, Rupees sixteen crore twenty-seven lakh of which 8.97 Crore materialized Rs. 7.30 Crore under process and 111 No. of Cases materialized and 08 No. of cases are under progress as per the requirement of the user departments from time to time.

THE INSTITUTE & ITS COMMITTEES

MEMBERS OF INSTITUTE BODY, AIIMS, HUBANESWAR

Sl. No.	Name & Designation	Post
1	Dr. Subrat Kumar Acharya, Executive Director, Fortis Hospital, New Delhi	President
2	Smt. Aparajita Sarangi, Hon'ble Member of Parliament, Lok Sabha	Member
3	Shri Anubhav Mohanty, Hon'ble Member of Parliament, Lok Sabha	Member
4	Dr. Amar Patnaik Hon'ble Member of Parliament, Rajya Sabha	Member
5	Secretary, Ministry of Health and Family Welfare, Government of India	Member
6	Chief Secretary, Government of Odisha	Member
7	Director General of Health Services, Ministry of Health & Family Welfare, Government of India	Member
8	Additional Secretary & Financial Advisor, Ministry of Health and Family Welfare, Government of India	Member
9	Dr. P. Satish Chandra Former Director, & Vice Chancellor NIMHANS, Bangalore, Karnataka	Member
10	Prof. Showkat Ali Zargar Former Director, SKIMS, Srinagar, Jammu and Kashmiri	Member
11	Dr. K. Jagadeesan Founder Chairman & Managing Director, KJ Hospital Research & Postgraduate Centre, Chennai	Member
12	Dr. Balram Bhargava, Secretary, Department of Health Research & DG, ICMR, Government of India, New Delhi	Member
13	Vice Chancellor, Utkal University, Bhubaneswar	Member
14	Prof. Madhusudan Chakraborty Former Director, IIT, Bhubaneswar	Member
15	Dr. K.Srinath Reddy President, Public Health Foundation of India, ISID Campus, 4-Industrial Area, Vasant Kunj, New Delhi	Member
16	Prof. Samir Kumar Brahmachari Former DG, CSIR & Ex-Secretary, DSIR, Government of India	Member
17	Dr. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary

MEMBERS OF GOVERNING BODY, AIIMS, BHUBANESWAR

Sl. No.	Name & Designation	Posts
1	Dr. Subrat Kumar Acharya, Executive Director, Fortis Hospital, New Delhi	Chairman
2	Dr. Amar Patnaik Hon'ble Member of Parliament, Rajya Sabha	Member
3	Secretary, Ministry of Health & Family Welfare, Government of India	Member
4	Director General of Health Services, Ministry of Health and Family Welfare, Government of India	Member
5	Additional Secretary & Financial Advisor, Ministry of Health and Family Welfare, Government of India	Member
6	Chief Secretary, Government of Odisha	Member
7	Prof. Showkat Ali Zargar, Former Director, SKIMS, Srinagar, Jammu and Kashmir	Member
8	Dr. K.Jagadeesan, Founder Chairman & Chief Surgeon, KJ Hospital Research & Postgraduate Centre, Chennai	Member
9	Dr. Balram Bhargava, Secretary, Department of Health Research & DG, ICMR, Government of India, New Delhi	Member
10	Dr. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary

MEMBERS OF STANDING FINANCE COMMITTEE, AIIMS, BHUBANESWAR

Sl. No.	Name & Designation	Post
1	Secretary, Ministry of Health & Family Welfare, Government of India	Chairman
2	Smt. Aparajita Sarangi, Hon'ble Member of Parliament, Lok Sabha	Member
3	Director General of Health Services, Ministry of Health & Family Welfare, Government of India	Member
4	Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Government of India	Member
5	Chief Secretary, Government of Odisha	Member
6	Dr. P. Satish Chandra Former Director, NIMHANS, Bangalore, Karnataka	Member
7	Prof. Samir Kumar Brahmachari, Former DG, CSIR & Secretary, DSIR, Government of India	Member
8	Dr. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary

MEMBERS OF STANDING SELECTION COMMITTEE, AIIMS, BHUBANESWAR

Sl. No.	Name & Designation	Post
1	Dr. P. Satish Chandra, Former, Director, NIMHANS, Bangalore, Karnataka	Chairman
2	Director General of Health Services, Ministry of Health & Family Welfare, Government of India	Member
3	Prof. Samir Kumar Brahmachari, Former DG, CSIR & Secretary, DSIR, Government of India	Member
4	Prof. Balram Bhargav Secretary, Department of Health Research & DG, ICMR, V. Ramalingaswami Bhawan	Member
5	Prof. Madhusudan Chakarabarty, Former Director, IIT Bhubaneswar	Member
6	Vice Chancellor, Utkal University, Bhubaneswar, Odisha	Member
7	Prof. Showkat Ali Zargar, Former Director, SKIMS, Srinagar, Jammu and Kashmir	Member
8	Prof. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary

MEMBERS OF ACADEMIC COMMITTEE, AIIMS, BHUBANESWAR

Sl. No.	Name & Designation	Posts
1	Dr. P. Satish Chandra, Former, Director, NIMHANS, Bangalore, Karnataka	Chairman
2	Shri Anubhav Mohanty, Hon'ble Member of Parliament, Lok Sabha	Member
3	Prof. Samir Kumar Brahmachari, Former DG, CSIR & Secretary, DSIR, Government of India.	Member
4	Dr. K. Srinath Reddy President, Public Health Foundation of India, ISID Campus, 4-Industrial Area, Vasant Kunj, New Delhi.	Member
5	Prof. Madhusudan Chakarabarty, Former Director, IIT Bhubaneswar	Member
6	Prof. Showkat Ali Zargar, Former Director, SKIMS, Srinagar, Jammu and Kashmir	Member
7	Prof. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary

MEMBERS OF ESTATE COMMITTEE, AIIMS, BHUBANESWAR**(As constitute by the IB in its 5th meeting held on 18.02.2020)**

Sl. No.	Name & Designation	Posts
1	Prof. Madhusudan Chakaraborty, Former Director, IIT Bhubaneswar	Chairman
2	Vice Chancellor, Utkal University, Bhubaneswar	Vice Chairman
3	Shri Anubhav Mohanty, Hon'ble Member of Parliament, Lok Sabha	Member
4	Director General of Health Services, Ministry of Health & Family Welfare, Government of India	Member
5	Dr. P. Satish Chandra Former Director & Vice Chancellor NIMHANS, Bangalore, Karnataka	Member
6	Prof. Gitanjali Batmanabane, Director, AIIMS, Bhubaneswar	Member Secretary



ACADEMIC SECTION

ACADEMIC SECTION

Dean

Prof (Dr.) S. C. Mahapatra

Dr. Rituparna Maiti

Associate Dean (Academic)

Dr. Manisha Kar

Faculty in-charge

(Academic-UG)

Dr.Saurav Sarkar

Faculty in-charge

(Academic Medical Education)

Dr Gaurav Chhabra

Faculty in-charge

(Academic-Paramedical courses)

Dr. Subrat Kumar Sahoo

Faculty in-charge

(Academic-student welfare)

Dr. Pritinanda Mishra

Faculty in-charge

(Academic-PG)

Dr.Vinaykumar Hallur

Faculty in-charge

(Academic attendance & Internal Assessment)

Dr. Sadananda Barik

Faculty in-charge

(Academic-Superspeciality Courses)

Dr. Madhumita Patnaik

Faculty in-charge

(Academic Teaching schedule)

Dr. Renju Sussan Baby

Faculty in-charge, College of Nursing

(Academic-Nursing)

Mr B B Mishra

Registrar

The Academic Section develops policy, plans and executes academic activities. These activities encompass Undergraduate programmes for Medical, Nursing and Paramedical Courses, Post Graduate programmes and Post-Doctoral fellowship programme.

Conduction of Examination and Counselling process:

PG (MD/MS/DM/MCh), MBBS, B.Sc (Honours) Nursing, B.Sc (Honours) Paramedical students were selected on the basis of the merit through All India Entrance Examination conducted by AIIMS, New Delhi. The counselling processes for all curricula were also conducted by AIIMS, New Delhi. The process was centralised and merit-based one. Reservation policy was followed as per Govt. guidelines.

Undergraduate Courses

M.B.B.S Student Profile (Batch 2019):

Admission process for seven AIIMS for academic year 2019 was conducted by AIIMS, New Delhi. The counselling for the 100 MBBS seats (AIIMS, Bhubaneswar) was conducted at AIIMS, New Delhi on the basis of performance in the entrance examination.

General	OBC	SC	ST
51	26+1 (PWD)	15	7

B.Sc (Hons) Nursing Courses:

- In the Year 2019, 59 students joined the course.

M.Sc (Hons) Nursing Courses:

- In the Year 2019, 20 students joined the course.

Paramedical Courses:

Sl. No.	Course	Number of students
1	Operation Theatre &Anesthesiology Technology (OTAT)	10
2	Medical Laboratory Technology (MLT)	10
3	Medical Technology in Radiography (MTR)	10
4	Medical Technology in Radiotherapy (MTRT)	05

Postgraduate Courses:

Sl. No.	Course	Number of students admitted
1	MD/MS/MDS	92
2	DM/MCh	24
3	PDF/PDCC	05

PhD Programme:

Three candidates in the Department of Biochemistry and one candidate in the Department of Physiology joined for the PhD programme.

MEDICAL EDUCATION UNIT

FACULTY

Dr. Saurav Sarkar
Team Leader

Dr. Debapriya Bandopadhyay
Member

Dr. Mukund Namdev Sable
Member

Dr. Ramadass Balamurugan
Member Secretary

Dr. Prabhas Ranjan Tripathy
Member

Dr. Upendra Hansda
Member

Dr. Rituparna Maiti
Member

Dr. Sweta Singh
Member

Dr. Amit Kumar Satpathy
Member

Dr. Jayanta Kumar Mitra
Member

Dr. Somanath Padhi
Member

Dr. Suravi Patra
Member

Dr. Priyadarshini Mishra
Member

Dr. Vinaykumar Hallur
Member

HIGHLIGHTS

- As part of continuing faculty development programme (CFDP), Microteaching Sessions were continued for the faculty of AIIMS Bhubaneswar from 4th May 2019 to 29th June 2019.
- The 2nd Workshop on Augmentation of Teaching Skill for Senior Residents of AIIMS Bhubaneswar was organised on 5th and 6th of July 2019. 28 Senior Residents of AIIMS Bhubaneswar attended the 2-day workshop. The topics discussed were Taxonomy of teaching-learning, Teaching Learning Principles, Teaching Learning Media, Microteaching, Large Group Teaching, Bedside Clinics & Practical, Introduction to OSCE/OSPE and OSCE/OSPE.
- An outreach, Faculty Development Programme, was conducted, for faculty members of AIIMS Kalyani. It was held in Bidhan Chandra Krishi Viswa Vidyalaya, Kalyani, West Bengal from 1st August 2019 to 3rd August 2019. This 2-day workshop was attended by all 18, newly recruited faculty of AIIMS, Kalyani.



Prof. Gitanjali Batmanabane taking a session in "2nd Workshop on Augmentation of Teaching skills in Senior Residents"



Faculty Development Programme in AIIMS, Kalyani

4. 1st year MBBS students (2019 batch), 1st year Nursing and Paramedical students joined AIIMS Bhubaneswar, and their orientation was conducted on 14th August 2019. On 17th August 2019, eminent personalities were invited to speak to the students and inspire them, with their words of wisdom.
5. MEU organised Foundation Course for 1st year MBBS Students of AIIMS Bhubaneswar from 19th August 2019 to 31st August 2019.
6. MEU organised Exit OSCE-2019 for interns (Batch- 2014), AIIMS Bhubaneswar on 14th December 2019.
7. MEU organised a national level medical education conference, MECON 2020 on the 24th and 25th of January 2020. A single day pre-conference workshop preceded this 2-day conference. The topics of the pre-conference workshop were Portfolio Management, conducted by Prof. Z Zayapragasaraazan, and Change Management, conducted by Prof. Janet Grant. The conference was planned and organised under the able guidance of Professor Gitanjali Batmanabane, esteemed Director of AIIMS Bhubaneswar. The theme of the conference was "Medical Education: Focus on Solutions, not problems". 144 delegates from all over India attended it. Eminent medical educationists from India and abroad (Prof. P Jaywickramarajah, Prof. Janet Grant and Prof. Rashmi Vyas) were faculty for various sessions of this conference. The conference had exciting and innovative sessions like Coffee with Dr Rashmi and Pizza with UNCLE, Pecha-Kucha etc. which was much appreciated by the audience. The conference received very positive and encouraging feedback from faculty and delegates alike.



Students in a foundation course activity class



Faculty Development Programme in AIIMS, Kalyani



Pre-Conference workshop I - on portfolio management – Prof. Z Zayapragasaraazan



Pre-Conference workshop II - on Change management – Prof. Janet Grant

8. Internship Orientation Programme- 2019 for MBBS batch 2014 was organised on 21st and 22nd February 2020.

The topics discussed in the Orientation program were: Oral Communication, Written Communication, Rational Diagnostics, Rational Therapeutics, Team Building & Leadership, Ethics, Professionalism and Medicolegal aspect, Safety in Medical Practice and Biomedical Waste Management.



A collage of the various sessions in MECON2020



Dr. Amit Sathapathy conducting a session in the Internship Orientation Programme



CONVOCATION



Prof Subrat Acharya(President, AIIMS BBSR), Padma Bhushan Dr Srinath Reddy(Chief Guest), Prof. Gitanjali Batmanabane (Director) and Sri BB Mishra(Registrar) presenting 9 Gold Medals to Dr Monalisa Mohanty on the 2nd Convocation Ceremony of AIIMS Bhubaneswar



Director Prof. Gitanjali Batmanabane addressing the audience of the 2nd Convocation Ceremony of AIIMS Bhubaneswar



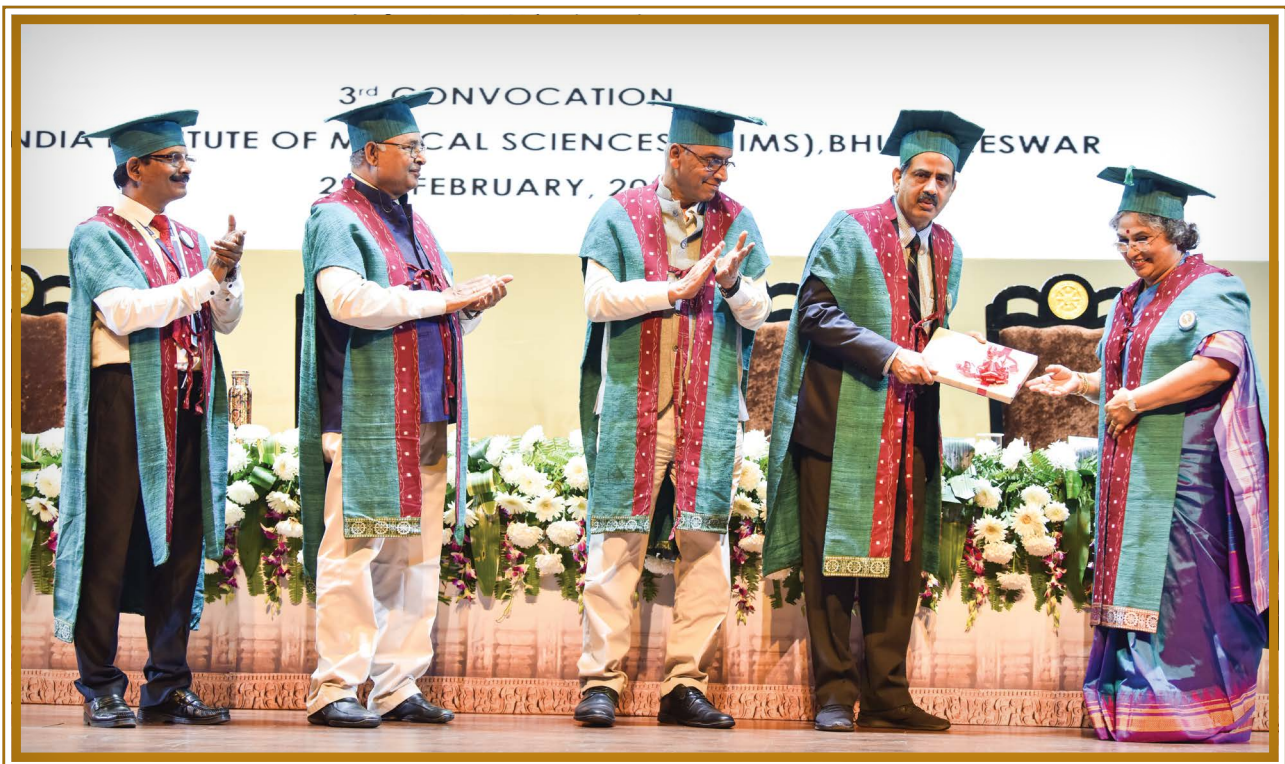
Prof Subrat Acharya (President, AIIMS BBSR) addressing the audience of the 2nd Convocation Ceremony of AIIMS Bhubaneswar.



Prof Subrat Acharya(President, AIIMS BBSR), Padma Bhushan Dr Balaram Bhargav (Chief Guest), Prof. Gitanjali Batmanabane (Director) and Sri BB Mishra(Registrar) presenting 13 Gold Medals to Dr Rosalin Parida on the 3rd Convocation Ceremony of AIIMS Bhubaneswar



Prof Subrat Acharya (President, AIIMS BBSR) addressing the audience of the 3rd Convocation Ceremony of AIIMS Bhubaneswar.



Director Prof. Gitanjali Batmanabane presenting a memento to the Chief Guest of the 3rd Convocation Ceremony of AIIMS Bhubaneswar Padma Bhushan Prof. Balram Bhargava

RESEARCH SECTION

As per the mandate of the institute, research forms one component of the trio; the others being teaching and patient care. The vision of the institute envisages being at the forefront of quality research activities both in basic and applied science in this region.

This Research Section deals with the administration of all the extramural & intramural funded & non-funded research projects conducted at AIIMS, Bhubaneswar. The IRC also organizes various workshops for faculty members as a part of Faculty Development Programme. The members participate in various teaching sessions pertaining to research for students of the institute.

The Institute Research Committee (IRC), Institute Scientific Evaluation Committee (ISEC), Sub-Committee for Regulatory Clinical Trials (SRCT) & Institutional Ethics Committee (IEC) were earlier constituted as follows.

Institute Research Committee (IRC)

Dr. Kanishka Das Professor & Head, Dept. of Pediatric Surgery	Dean (Research)
Dr. Bajjayantimala Mishra Professor & HoD, Dept. of Microbiology	Member
Dr. Asha P Shetty Professor-cum- Principal, College of Nursing	Member
Dr. Bhagirathi Dwibedi Additional Professor, Dept. of Pediatrics	Member
Dr. Susanta Kumar Padhy Additional Professor, Dept. of Psychiatry	Member
Dr. Subarna Mitra Assistant Professor, Dept. of Obstetrics & Gynaecology	Member
Dr. Ramadass Balamurugan Assistant Professor, Dept. of Biochemistry	Member
Dr. Biswa Mohan Padhy Associate Professor, Dept. of Pharmacology	Member Secretary

Institute Scientific Evaluation Committee (ISEC)

Dr. Sanghamitra Pati (Director, RMRC, Bhubaneswar)	Chairman
Dr. Sushil Chandra Mahapatra Dean, Professor & Head, Dept. of Physiology	Member
Dr. Aparna Palit Professor & Head Dept. of Dermatology	Member

Dr. Srujana Mohanty Additional Professor, Dept. of Microbiology	Member
Dr. Biswa Mohan Padhy Associate Professor, Dept. of Pharmacology	Member Secretary

Sub-Committee for Regulatory Clinical Trials (SRCT)

Dr. Debasish Hota Professor & Head, Dept. of Pharmacology	Chairman
Dr. Rituparna Maiti Additional Professor, Dept. of Pharmacology	Member Secretary
Dr. Rashmi Ranjan Das Associate Professor, Dept. of Pediatrics	Member
Dr. Dillip Kumar Samal Assistant Professor, Dept. of ENT	Member

A new committee named Institutional Committee for Stem Cell Research (IC-SCR) was constituted on 31.05.2019. It is detailed below -

Institutional Committee for Stem Cell Research (IC-SCR)

Dr. Dipika Mohanty Senior consultant Hematologist, Apollo Hospital, Bhubaneswar, Ex Director Institute of Immunohematology, ICMR, Mumbai	Chairperson
Dr. Srinivas Patnaik Stem cell Scientist, KIIT University, Bhubaneswar.	Member
Mr. Janaki Kanta Mohapatra Advocate, Odisha High Court	Member
Dr. Shantanu Kar Ex Director, RMRC, Bhubaneswar	Member
Ms. Navaneeta Rath Registrar, Utkal University, Bhubaneswar	Member
Dr. Anasuya Roychowdhury Assistant Professor, IIT, Bhubaneswar.	Member
Dr. Satish Devdas Scientist E, Molecular Biology, Institute of Life Sciences ILS, Bhubaneswar	Member

Dr. Birendranath Banerjee Associate Professor, KIIT, Bhubaneswar.	Member
Dr. Sunil K. Raghav Scientist E, Molecular Biology, Institute of Life Sciences ILS, Bhubaneswar.	Member
Mr. Pramod Kumar Behera Engineering (Mechanical) NALCO, Bhubaneswar	Member
Dr Ghanashyam Biswas Medical Oncologist, Sparsh Hospital, Bhubaneswar.	Member
Dr Bidhu K Mohanti Director, KIIMS Cancer Centre, Bhubaneswar	Member
Dr Somnath Mukherjee Associate Professor, AIIMS, Bhubaneswar.	Member Secretary

Institute Ethics Committee (IEC)

The Institute Ethics Committee was constituted in 2013 and was registered with CDSCO on 6th February, 2014 and thereafter for another 3 years from 6th February 2017 to 5th February 2020 (ECR/534/Inst/OD/2014/RR-17). Further re-registration was issued on 21.05.2020 (ECR/534/Inst/OD/2014/RR-20). and is valid for 5 years i.e. from 06-Feb-2020 to 05-Feb-2025.

Members of IEC (till 10th March, 2020)

1. Prof. Suresh Chandra Dash (Chairperson), Emeritus Professor, KIMS, Bhubaneswar.
2. Dr. Manaswini Mangaraj, Professor & Head, Dept. of Biochemistry, AIIMS, Bhubaneswar.
3. Ms. Navaneeta Rath, Professor of Sociology, Utkal University
4. Ms. Swarna Misra, Honorary Secretary, Shusrusa (NGO)
5. Mr. Santanu Kumar Sarangi, Senior Advocate, Odisha High Court.
6. Dr. Sandip Kumar Mishra, Scientist-E, Institute of Life Sciences, Bhubaneswar.
7. Dr. Rituparna Maiti, Additional Professor, Dept. of Pharmacology, AIIMS, Bhubaneswar.
8. Dr. S. Manwar Ali, Associate Professor, Dept. of General Surgery, AIIMS, Bhubaneswar.
9. Dr. Bikram Kishore Behera, Associate Professor, Dept. of Anaesthesia, AIIMS, Bhubaneswar.
10. Dr. Somnath Mukherjee, Associate Professor, Dept. of Transfusion Medicine & Blood Bank, AIIMS, Bhubaneswar.
11. Dr. Amit Ghosh, Associate Professor, Dept. of Physiology, AIIMS, Bhubaneswar.
12. Dr. Arvind Kumar Singh, (Member Secretary), Assistant Professor, Department of CM & FM, Bhubaneswar.

Members of IEC (from 11th March, 2020)

1. Prof. Suresh Chandra Dash (Chairperson), Emeritus Professor, KIMS, Bhubaneswar.
2. Ms. Swarna Misra, Honorary Secretary, Shusrusa (NGO)
3. Ms. Navaneeta Rath, Professor of Sociology, Utkal University
4. Mr. Santanu Kumar Sarangi, Senior Advocate, Odisha High Court.
5. Dr. Subash Chandra Samal, Professor, Gastroenterology, AIIMS, Bhubaneswar.
6. Dr. Rituparna Maiti, Additional Professor, Pharmacology, AIIMS, Bhubaneswar
7. Dr. Srujana Mohanty, Additional Professor, Microbiology, AIIMS, Bhubaneswar
8. Dr. Sweta Singh, Additional Professor, O & G, AIIMS, Bhubaneswar
9. Dr. Santosh Kumar Mahallik, Associate Professor, Paediatric Surgery, AIIMS, Bhubaneswar

10. Dr. Balamurugan Ramadass, Additional Professor, Biochemistry, AIIMS, Bhubaneswar
11. Dr. Trupti Swain, Professor and HOD, Pharmacology, SLNMCH, Koraput
12. Dr. Priti Das, Associate Professor, Pharmacology, SCB Medical College, Cuttack
13. Dr. Sonali Kar, Professor, Community Medicine, KIMS Bhubaneswar
14. Dr. Arvind Kumar Singh, (Member Secretary), Associate Professor, Department of CM & FM., Bhubaneswar.

Ongoing research projects:

During the year under review, the faculty of the AIIMS drew extramural grants for various research projects from national and international agencies and intramural grant from AIIMS, Bhubaneswar.

• Ongoing Extramural Projects	51	
Total budget		Rs. 20,63,98,935/-
No. of projects initiated in 2019-20	22	
Budget of projects initiated in 2019-20		Rs. 4,26,30,842 /-
• Ongoing Intramural funded Projects	69	
Total budget		Rs. 1,78,80,877 /-
No. of projects initiated in 2019-20	23	
Total budget		Rs. 64,24,380/-
• Ongoing Intramural Non-funded Projects	94	
• Ongoing PG Thesis Projects	115	
• Ongoing Student Projects		
o ICMR Short Term Studentship : 50 (MBBS – 13, Nursing – 37)		
o Patient safety projects (UG, PG) : 17		

Funding Agencies:

The following were the major agencies involved.

International

- United Nations International Children's Emergency Fund (UNICEF)
- World Food Programme (WFP)
- Centers for Disease Control and Prevention (CDC)
- INCLEN Trust
- JivDaya Foundation

National

- Indian Council of Medical Research (ICMR)
- Science and Engineering Research Board (SERB)
- Department of Science and Technology (DST)
- The National Centre for Disease Informatics and Research (NCDIR)
- National Tea Research Foundation (NTRF)
- Coconut Development Board (CDB)

The Research Section is actively involved in the overall development of the research atmosphere in the institute. As part of this, faculty members are regularly trained on various aspects of scientific research. The following are details of the scientific deliberations of the section -

Review meetings:

In the year, Institute Research Committee organized three review meetings for the research projects undertaken by the faculty members of the institute.

- Institute Scientific Evaluation Committee on 5th, 6th August 2019 to evaluate the new projects.
- Review meeting to evaluate the progress of intramural funded project F.Y. 2017-18 on 4th & 5th November 2019.

- Meeting to evaluate the projects on Patient Safety on 29th, 30th April 2019.

Faculty Development Workshop:

- Organized a Workshop on Effective Medical Literature Search on 26th& 27th April 2019 for faculty members. This workshop was conducted by Ms. Vasumathi Sriganesh, QMed Knowledge Foundation - eminent expert in bibliography from Mumbai. 90 faculty members participated in the event.

Institutional Ethics Committee meetings:

The IEC met & deliberated on the submitted research projects during the year as follows:

SL NO	DATE OF MEETING	No. of Member Attained IEC Meeting	NO OF PROPOSAL DISCUSSED							TOTAL
			Student Project		PG THESIS	Extramural	Intramural		Patient Safety	
			Nursing	STS			Funded	Non-Funded		
1	13.04.2019	10	14	1		16	4	14		49
2	11.05.2019	8	5	8		2		7		22
3	13.07.2019	9		3	75	4		14		96
4	17.08.2019	9				1		10	7	18
5	14.09.2019	10				6	1	13	2	22
6	12.10.2019	7			1	3	1	9		14
7	09.11.2019	8	11		1	4		9		25
8	14.12.2019	8	1		36	6		15		61
9	11.01.2020	9	3		3	5	3	5	5	24
10	08.02.2020	11	3	1		4	6	4		18
Total			37	13	116	51	15	100	14	346

HOSTEL COMMITTEE

A Hostel committee was constituted on 13th April 2018, comprising one chief hostel superintendent, one additional hostel superintendent and 10 deputy hostel superintendents for each block.

Dr. Saubhagya Kumar Jena	Chief Hostel Superintendent
Dr. Ashoka Mahapatra	Additional Hostel Superintendent
Dr. Vinaykumar Hallur	Deputy Hostel Superintendent (Block B)
Dr. Dilip Kumar Samal	Deputy Hostel Superintendent (Block C)
Dr. Pradeep Kumar Singh	Deputy Hostel Superintendent (Block D)
Dr. Pankaj Kumar	Deputy Hostel Superintendent (PG-II)
Dr. Mukund Namdev Sable	Deputy Hostel Superintendent (PG -III)
Dr. Subarna Mitra	Deputy Hostel Superintendent (Block E)
Dr. Shree Mishra	Deputy Hostel Superintendent (PG – I B)
Dr. Rajesh Kumar	Deputy Hostel Superintendent (PG- I A)
Dr. RenjuSussan Baby	Deputy Hostel Superintendent (Type II, Ladies Hostel)
Dr. Mariamma V. George	Deputy Hostel Superintendent (Block A)

MBBS, B. Sc. (Hons) Nursing, B. Sc. (Hons) Paramedical, Junior residents (Academic & non-academic), senior residents (academic & non-academic), M Sc Nursing students and Ph D scholars were accommodated in their furnished respective hostels.

Boys (MBBS) & B. Sc. (Hons) Paramedical students stay in Hostel B, C & D Block. MBBS girls stay in E block & Type IIA quarter. B. Sc. (Nursing) students B. Sc. paramedical girls reside in A Block. Male Interns stay in PG 1A and Female Interns including Nursing Interns stay at PG 1B. Senior & junior residents & M. Sc. Nursing students and Ph D students reside in PG II & PG III hostels.

Total Two hundred and fifteen number of students were accommodated during 2019-2020 session.

The students play football, cricket, badminton, volley ball in hostel premises at their leisure hours. Moreover, there is a provision for various indoor games (chess, table tennis, carom) in the hostels. GYM: In the 1st floor of Dining hall-II there is a well-equipped Gym meant for the students. There are two Dining Halls which are operational for all the students. To increase the hostel capacity a 164 bedded new hostel building work has been started on 25-05-2019 and its targeted date of completion is 30-04-2021.

A new hostel warden Mr. Janmejy Padhee joined on 21-10-2019

CENTRAL LIBRARY

Central Library, AIIMS, Bhubaneswar caters the information needs of the members of the institute. All the Faculties, Nurses, Students, Administrative Staff, Paramedical staff of the institute are members of the Library. It has been proactively supporting faculties and students in the collection of their references for their research work. It has been working under the guidance of a Library Committee constituted by the head of the Institution.

Prof (Dr.) Subash Chandra Samal (Chairman), Prof. (Dr.) Asha P. Shetty (Member), Dr Jitendra Narayan Dash (Member Secretary), Dr Somnath Mukherjee (Member), Dr Prakash Kumar Sasmal (Member), Dr Prajna Paramita Giri (Member)

Staff

Senior Librarian (Selection Grade): Jitendra Narayan Dash, Ph.D (working on deputation)

Library Timings

It remains open from 9.00 A.M. to 9.00 P.M. from Monday to Friday and 9.00 A.M. to 4.30 P.M. on Saturday. The reading room remains open from 6 A.M. to 11 P.M. all days of the year.

Opening of Refurbished Library and Digital repository

The respected Director inaugurated renovated of Library & Digital Repository on September 5, 2020, on of Teacher's day. All the sections of Library such as Circulation, Periodical and book display section, E-Library, Faculty reading area, Newspaper reading section and Student reading area are now completely renovated with standard furniture and fittings. The seating capacity for library readers is increased almost twice. Various modular furniture are installed for easy reading hours.

An institutional digital repository has been developed using open-source software DSpace along with other accessory software, where the scholarly literature of the institute such as articles, thesis of the students will be preserved.

Training and Book Exhibition

The Library has organized Training Session for subscribed resources ERMED, ClinicalKey, Uptodate, Access Medicine, BMJ Research to Publications besides that short training session in some departments has been conducted to promote the resources. Also, during this pandemic, around 15 webinars are conducted where authors/editors of well-known books such as Gray's Anatomy for Students and Robbins & Cotran Pathologic Basis of Disease were the speakers of the session. Author workshop through webinar How to Write a Great Research Paper, and How to write manuscripts and get it Accepted by a Good Journal was organized. During the ongoing pandemic trial access to online resources of various reputed publishers such as Elsevier, Taylor and Francis, Thieme, Ebsco were provided so that students in their remote location could use. The Library has organized a book exhibition where reputed medical publishers have participated and displayed their newly published books for creating awareness and procurement by members.

Library Resources

Total No. of Books: 8300, in different disciplines of Medical Sciences, Nursing etc, and 709 in Hindi and Odia language, 325 Administrative Books of Swamy Publication along with 44 Dictionaries are available in the Library.

CD/DVDs: 464

Research Treatment Protocols: 21

Thesis: 50

Magazines and Newspapers

English Magazines: 09. English Daily: 07, Hindi: 01 and 07 in Odia language.

Journals

In total Library has subscription to around 1666 high impact online journals which are published by reputed publishers and societies of the world such as Elsevier, Wolters Kluwer, Wiley, Springer Nature, Thieme, Karger, BMJ, Oxford etc. Out of them 239 journals are available for access through the ERMED consortium of National Medical Library of MOHFW. All the online journals and other freely available peer-reviewed biomedical information resources available in web are listed in the library web site. Remotex has been subscribed to access them anywhere and anytime through digital gadgets. Library subscribed journals are linked with reputed medical database PubMed for easy access by library patrons.

A computer centre is working with the internet along with the Wi-Fi facility.

Databases

The Library has subscription to relevant databases of medicine such as ClinicalKey of Elsevier, point to care tool- Uptodate of Wolters Kluwer, BMJ Best Practice of British Medical Journal (BMJ), Access Medicine of McGraw-Hill, Cinahl of EBSCO. Trial access for other relevant databases is arranged for creating awareness for different scholarly resources.

Electronic books

The Library has access to around 2100 well-known titles of medicine.

Library Automation

The Library is automated with implementation of open-source software Koha integrated with RFID (Radio Frequency Identification) Technology.



HOSPITAL SECTION

HOSPITAL SECTION

FACULTY

Medical Superintendent	Prof. (Dr.) Sachidananda Mohanty
Joint Medical Superintendent	Dr. Jawahar S. K. Pillai, Addl. Prof., Hosp. Admin.
Additional Medical Superintendent	Dr. (Maj.) M. C. Sahoo, Assoc. Prof., Hosp. Admin. Dr. B. K. Patro, Addl. Prof., CM&FM Dr. Ashok Kumar Jena, Addl. Prof., Dental Dr. Prabhas Ranjan Tripathy, Addl. Prof, Anatomy Dr. Sudipta Ranjan Singh, Addl. Prof., FMT Dr. Sweta Singh, Addl. Prof., O&G
Associate Medical Superintendent	Dr. Arvind Singh, Assoc. Prof., CM&FM Dr. Binod Kumar Behera, Assoc. Prof. CM&FM Dr. Gaurav Chabbra, Assoc. Prof., Pathology
Chairman Central Laboratory	Prof. (Dr.) Sachidananda Mohanty, Med. Supdt.
Chairman OT Committee	Prof. (Dr.) Madhabananda Kar
In-Charge Hospital Pharmacy	Dr. Biswa Mohan Padhy, Addl. Prof.
Medical Board Committee	Dr. M. R. Sahoo, Prof., General Surgery, Chairman Dr. P. Parida, Addl. Prof., ENT, Member Dr. R. R. Mohanty, Addl. Prof., General Medicine, Member Dr. B. R. Mishra, Addl. Prof., Psychiatry, Member Dr. S. Parija, Addl. Prof., Ophthalmology, Member Dr. S. Singh, Addl. Prof., Obs & Gyn, Member Dr. M. Jain, Assoc. Prof., Orthopaedics, Member

HIGHLIGHTS OF HOSPITAL

A. OPD:

(i) Statistics of AIIMS, BBSR from April 2019 - March, 2020

Year	Month	OPD
2019	April	63002
2019	May	48814
2019	June	57938
2019	July	77104
2019	August	78543
2019	September	70704
2019	October	69611
2019	November	71602
2019	December	62092
2020	January	65236
2020	February	60842
2020	March	42955
TOTAL		768443

(ii) Statistics of Outreach Centres from April 2019 - March, 2020

Year	Month	Mendhasal	Tangi	Nayapalli	Balasore	Total
2019	April	1198	2987	1365	511	4185
2019	May	890	2953	1116	341	3843
2019	June	1115	3917	1342	675	5032
2019	July	2082	5114	1667	622	7196
2019	August	2199	4928	1613	1304	7127
2019	September	2195	3811	1741	948	6006
2019	October	1769	3918	1685	869	5687
2019	November	2264	4355	1445	836	6619
2019	December	2347	3717	1472	682	6064
2020	January	2665	4197	1497	849	6862
2020	February	2385	5404	1691	788	7789
2020	March	1743	8905	1506	410	10648
TOTAL		22852	54206	18140	8835	77058

(iii) Statistics of AYUSH, AIIMS BBSR from April 2019 - March, 2020

Year	Month	Ayurveda	Homeopathy	Yoga
2019	April	318	-	856
2019	May	253	-	922
2019	June	60	-	786
2019	July	257	-	1111
2019	August	331	-	976
2019	September	328	-	797
2019	October	339	-	665
2019	November	372	126	1342
2019	December	302	986	986
2020	January	335	284	886
2020	February	343	1280	1280
2020	March	211	619	619
TOTAL		3449	3295	11226

(iv) Statistics of Physiotherapy & Executive Health Check-up from April 2019 - March, 2020

Year	Month	Physiotherapy	Executive Health Check-up
2019	April	1830	21
2019	May	1744	35
2019	June	1769	32
2019	July	2228	36
2019	August	2265	37
2019	September	2069	38
2019	October	2080	43
2019	November	2030	38
2019	December	1866	36
2020	January	1900	50
2020	February	1853	42
2020	March	1361	26
TOTAL		22995	434

(v) Statistics of Day Care Chemotherapy from April 2019 - March, 2020

Year	Month	Radiotherapy	Medical Oncology	Total
2019	April	542	470	1012
2019	May	466	651	1117
2019	June	449	550	999
2019	July	445	612	1057
2019	August	612	578	1190
2019	September	476	730	1206
2019	October	588	758	1346
2019	November	593	727	1320
2019	December	595	804	1399
2020	January	631	831	1462
2020	February	610	840	1450
2020	March	578	697	1275
TOTAL		6585	8248	14833

B. IPD:

(i) IPD Statistics from April 2019 - March, 2020

Year	Month	IPD
2019	April	1941
2019	May	1881
2019	June	1832
2019	July	2299
2019	August	2188
2019	September	2217
2019	October	2410
2019	November	2523
2019	December	2383
2020	January	2673
2020	February	2523
2020	March	1800
TOTAL		26670

(ii) OT Statistics from April 2019 - March, 2020

Year	Month	Major Surgery	Minor Surgery	Total
2019	April	544	418	962
2019	May	532	274	806
2019	June	466	363	829
2019	July	703	503	1206
2019	August	714	340	1054
2019	September	760	420	1180
2019	October	828	453	1281
2019	November	801	510	1311
2019	December	908	420	1328
2020	January	934	550	1484
2020	February	888	473	1361
2020	March	726	288	1014
TOTAL		8804	5012	13816

(iii) Statistics of Labour Room from April 2019 - March, 2020

Year	Month	NVD	LSCS	Total	Live Birth	Still Birth	Total
2019	April	25	60	85	89	1	90
2019	May	35	56	91	95	1	96
2019	June	32	49	81	81	3	84
2019	July	34	65	99	100	4	104
2019	August	28	62	90	88	3	91
2019	September	43	65	108	104	5	109
2019	October	44	99	143	149	8	157
2019	November	70	90	160	155	8	163
2019	December	56	97	153	147	7	154
2020	January	58	84	142	133	9	142
2020	February	39	89	128	126	5	131
2020	March	40	80	120	123	5	128
TOTAL		504	896	1400	1390	59	1449

(iv) Statistics of Radio-diagnosis from April 2019 - March, 2020

Year	Month	MRI	CT Scan	Digital X-ray	USG	Mammography	CT Angiography
2019	April	490	2310	7127	1390	44	51
2019	May	392	2182	5312	1544	70	33
2019	June	465	2411	6603	1420	67	35
2019	July	830	2914	8006	1796	63	36
2019	August	621	1975	6936	1558	75	43
2019	September	604	2600	5188	1390	68	40
2019	October	591	2530	6852	1377	7	44
2019	November	647	2640	7552	1183	0	42
2019	December	661	2643	7199	1394	0	34
2020	January	867	2708	7910	1439	0	44
2020	February	683	2839	7864	1435	0	59
2020	March	499	2181	5529	942	0	39
TOTAL		7350	29933	82078	16868	394	500

(v) Statistics of Central Laboratory from April 2019 - March, 2020

Year	Month	Biochemistry	Microbiology	Pathology	Total
2019	April	95168	13944	24879	109112
2019	May	91425	13386	36799	104811
2019	June	94952	14943	23888	109895
2019	July	121653	21208	30567	142861
2019	August	112454	19827	29249	132281
2019	September	113810	20914	28997	134724
2019	October	121253	21072	29238	142325
2019	November	127417	23156	30960	150573
2019	December	121514	23464	30257	144978
2020	January	127153	19266	29944	146419
2020	February	134615	21932	29689	156547
2020	March	98063	15503	23861	113566
TOTAL		1359477	228615	348328	1588092

(vi) Statistics of Blood Bank from April 2019 - March, 2020

Year	Month	Collection	Issued
2019	April	626	1331
2019	May	706	1195
2019	June	608	1201
2019	July	722	1324
2019	August	715	1280
2019	September	666	1381
2019	October	717	1387
2019	November	847	677
2019	December	769	762
2019	January	937	849
2019	February	786	746
2019	March	700	680
TOTAL		8799	12813

(vii) Free Patient Treatment Statistics from April 2019 - March, 2020

Year	Month	BPL	Low Income	Total
2019	April	2984	18	3002
2019	May	2909	11	2920
2019	June	3098	09	3107
2019	July	3788	13	3801
2019	August	3759	22	3781
2019	September	3517	21	3538
2019	October	3750	16	3766
2019	November	3477	15	3492
2019	December	3420	21	3441
2020	January	6646	0	6646
2020	February	8889	0	8889
2020	March	6945	0	6945
TOTAL		53182	146	53328

(viii) Statistics of Various Procedures from April 2019 - March, 2020

Year	Month	Endoscopy	Bronchoscopy	Laryngoscopy	ECHO	ECG	Cath lab
2019	April	278	50	793	1386	4165	0
2019	May	320	34	181	847	1961	0
2019	June	230	33	166	904	2399	0
2019	July	337	42	146	1146	2909	0
2019	August	263	36	158	939	4459	0
2019	September	226	47	160	979	2840	0
2019	October	264	40	247	982	2956	16
2019	November	206	43	170	1068	3097	126
2019	December	243	41	168	1114	2782	32
2020	January	320	48	183	1233	3080	119
2020	February	281	38	165	979	3374	110
2020	March	281	37	122	769	2007	107
TOTAL		3249	489	2659	12346	36029	510

(ix) Bed Status Statistics from April 2019 - March, 2020

Year	Month	Bed Occupancy Rate	Bed Turnover Rate	Average Length of Stay
2019	April	83.20	2.62	9.51
2019	May	78.23	2.60	9.32
2019	June	81.14	2.53	9.62
2019	July	87.93	2.29	11.88
2019	August	87.56	2.85	9.36
2019	September	89.24	3.28	9.32
2019	October	86.20	3.08	8.62
2019	November	89.40	3.19	8.42
2019	December	85.15	2.94	8.91
2020	January	86.70	3.09	69.28
2020	February	89.20	3.16	2.73
2020	March	69.28	8.18	7.85

(xi) Dialysis Statistics from April 2019 - March, 2020

Year	Month	Dialysis
2019	April	-
2019	May	-
2019	June	-
2019	July	49
2019	August	254
2019	September	405
2019	October	521
2019	November	550
2019	December	515
2020	January	594
2020	February	563
2020	March	527
TOTAL		3978

C. EMERGENCY SERVICES:

Year	Month	Emergency
2019	April	2750
2019	May	3310
2019	June	3476
2019	July	3947
2019	August	3727
2019	September	3714
2019	October	3747
2019	November	3641
2019	December	3636
2020	January	4042
2020	February	3819
2020	March	3462
TOTAL		43271

D. SUPPORT SERVICES:

- ✓ Central Laboratory
- ✓ 24 x 7 Control Room
- ✓ Central Registration Counter
- ✓ 24 x 7 Cash Counter
- ✓ AMRIT
- ✓ Police Room in Emergency
- ✓ Digitisation of Hospital Services
- ✓ E-Hospital CDAC
- ✓ Mera Aspataal
- ✓ Digital Cash Collection

E. PUBLIC CONVENIENCE:

- ✓ Patient Shed for the patient attendants
- ✓ Drinking water facility for the patient
- ✓ Two Public Convenience complex
- ✓ Battery Operated Carts
- ✓ Priority appointment with Doctors
(Senior Citizens, Physically Challenged, Pregnant Lady and Sick Patients)

F. VARIOUS AWARENESS PROGRAMME CONDUCTED: -

- International Yoga Day
- World No Tobacco Day
- World Cancer Day
- World Diabetes Day
- World AIDS Day
- World Glaucoma Week

G. SPECIALITY AND SUPER-SPECIALITY CLINICS

Speciality (18)	Super-Speciality (17)
General Medicine	Cardiology
General Surgery	Cardiothoracic & Vascular Surgery
Obstetrics & Gynaecology	Gastroenterology
Orthopaedics & Traumatology	Surgical Gastroenterology
Paediatrics	Nephrology
Dermatology & STD	Urology
Oto-Rhinolaryngology (ENT)	Neurology
Ophthalmology	Neurosurgery
Rheumatology	Medical Oncology
Pathology with Central Lab	Surgical Oncology

Microbiology & Infectious Diseases	Endocrinology & Metabolic Diseases
Radio-diagnosis & Imaging	Clinical Haematology
Radiotherapy	Paediatric Surgery
Anaesthesiology	Burns & Plastic Surgery
Transfusion Medicine & Blood Bank	Pulmonary Medicine & Critical Care
Psychiatry	Nuclear Medicine
TB & Chest	Neonatology
Dentistry	

H. FACILITIES AVAILABLE:

- 24 x 7 Emergency with Triage Facility
- Free Treatment to BPL Patients
- Modular Operation Theatres (MOTs)- 15
- Central laboratory ((Biochemistry, Microbiology, Pathology & Haematology)
- Oncology Day-care
- Blood Bank
- Private Cabins- 48
- Battery operated carts for transport of Senior Citizens, Pregnant Ladies, Physically Challenged
- 24 x 7 Cash Counter
- 24 x 7 Control Room
- ICUs (CICU, PICU, NICU, SICU, CTVS ICU, Neurosurgery ICU, Respiratory ICU, Neurology ICU, Surgical HDU)
- Central registration counter with e-hospital & separate provision for senior citizens, female and physically challenged
- 24 x 7 pharmacy store with 63.5% discount
- Digital X-ray
- High resolution ultrasound
- CT Scan- 64 slice
- CT scan- 256 slice
- MRI- 3 Tesla
- MRI- 1.5 Tesla
- Mammography
- DSA (Digital Subtraction Angiography)
- Endoscopy
- Bronchoscopy
- Laryngoscopy
- Audiometry and Speech Language pathology



ANESTHESIOLOGY

ANESTHESIOLOGY

FACULTY

Dr. Satyajeet Misra
Additional Professor & HOD

Dr. Jayanta Kumar Mitra
Additional Professor

Dr. Suma Rabab Ahmad
Assistant Professor

Dr. Sukdev Nayak
Professor

Dr. Bikram Kishore Behera
Additional Professor

Dr. Prasanta Kumar Das
Assistant Professor

Dr. Swagata Tripathy
Additional Professor

Dr. Sritam Swarup Jena
Associate Professor

Dr. Nitasha Mishra
Assistant Professor

Dr. P Bhaskar Rao
Additional Professor

Dr. Aparajita Panda
Associate Professor

Dr. Neha Singh
Additional Professor

Dr. Alok Kumar Sahoo
Assistant Professor

HIGHLIGHTS

The Department of Anesthesiology and Critical Care is officially functional since 2013. The department is presently involved in postgraduate (MD, DM & Post-doctoral fellowship (PDF)), undergraduate (MBBS) and B.Sc. (Nursing, Operation theatre & Anaesthesia Technology) teaching. In addition, the department is actively participating in clinical research and patient care. The department conducts regular weekly academic activities. The faculties participate in teaching theory (MBBS, Nursing and MD/PDF/DM) and practical classes. The students are sensitised and encouraged to participate in the research. DM (Neuroanesthesia) and Post-doctoral fellowship (Cardiothoracic anesthesia) programmes under the department started in January 2019. Currently, we are admitting 2 DM and 1 post-doctoral fellow student per year for these courses. Besides this, the department has been running Post-doctoral fellowship (Critical Care) programme since last 4 years, with 3 candidates have completed the course and currently, the seats are increased to 2 per year. The department is jointly involved with the department of Radiotherapy in running the Post-doctoral fellowship (Palliative Care) course. The department signed a MoU with JivaDaya foundation for capacity building in palliative care. A six bedded IPD for palliative care services was started in October 2019.

EDUCATION

At present, the department is involved in postgraduate (MD Anesthesiology and Critical care, DM Neuroanesthesia, PDF Critical Care, PDF Cardiothoracic Anesthesia and PDF palliative Care), undergraduate (MBBS) and B.Sc. (Operation theatre & Anaesthesia Technology, Nursing) teaching. All theory and practical classes are held as per schedule. Apart from theoretical knowledge, particular emphasis is being given on clinical application. All the students are periodically evaluated for their progress in the form of theory, practical and viva voce exams. The department also regularly conducts workshops/CMEs as part of the educational initiatives.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Satyajeet Misra

1. Attended and participated in IACTA (Indian association of cardiothoracic anesthesiologists) – TEE (Trans-esophageal echocardiography) workshop at Bangalore from 29th August to 1st September 2019 and delivered a lecture on "Comprehensive views in transesophageal echocardiography."
2. Attended 1st annual symposium on congenital heart diseases conducted by the West Bengal Association of Cardiothoracic and Vascular Anaesthesiologists from 7th to 8th September 2019 and presented a topic on "Perioperative management of the child with tetralogy of Fallot."
3. Attended the 29th ISACON (Indian Association of Anesthesiologists) East Zone 2019 from 18th to 19th October 2019 at AIIMS Bhubaneswar and worked as the organising co-chairman of the scientific committee. Conducted the ultrasound workshop as a faculty and delivered a lecture on "Physics of ultrasound"
4. Attended 14th Chennai Cardiac Anesthesia Update 2019 at Chennai from 9th to 10th November 2019 and delivered a lecture on "Preoperative optimization of the patient undergoing cardiac surgery".
5. Attended a CME (Continued Medical Education) on 3D echocardiography conducted by AIIMS New Delhi on 12th November 2019 and presented a topic "Right Ventricular function analysis by 3D echocardiography"
6. Attended MECON (Medical Education Conference) 2020, organised by MEU (Medical education unit) AIIMS, Bhubaneswar from 23rd to 25th January, 2020 at AIIMS, Bhubaneswar.

7. Attended 23rd IACTACON (Indian Association of Cardiothoracic Anesthesiologists) 2020 from 7th to 9th February 2020 at Goa and delivered a lecture on "Advances in the hypothermic arrest for thoracic aortic surgeries".

Dr. Sukdev Nayak

1. Attended and participated as an organizer in 29th ISACON (Indian association of anesthesiologists conference) east zone & 48th OSISACON (Odisha State branch of Indian association of anesthesiologists conference) 2019 held from 18.10.2019-20.10.2019 at AIIMS Bhubaneswar

Dr. Swagata Tripathy

1. Attended AORA (Academy of regional anesthesia) 2019 from 5th to 9th July 2019 at Coimbatore and delivered a lecture on "Management of Traumatic Brain Injury"
2. Attended PBLD (Problem Based Learning Discussions) in Neurocritical Care from 26th to 28th July 2019 at New Delhi and delivered a lecture on "Nutrition in Neurocritical care"
3. Attended Asian Critical Care Network Steering Committee Meeting from 19th to 20th August, 2019 at Bangkok, Thailand and delivered a lecture on "Core research needs assessment".
4. Attended EZCCCON (East Zone Critical Care Conference) from 15th to 16th November 2019 at Kolkata and delivered a lecture on "Blood Pressure management in Stroke"
5. Attended ASOMACOM (Asian Association of Mastology Conference) from 15th to 17th November 2019 at AIIMS Bhubaneswar and delivered a lecture on "Nerve Blocks in Breast Surgery"
6. Attended ISACON (Indian Association of Anesthesiologists Conference) 2019 from 26th to 29th November, 2019 at Bengaluru and delivered a lecture on "ICU Management of Head Injury"
7. Attended CritiCare 2020 from 11th to 14th March 2020 at Hyderabad as a Faculty for ENLS (Emergency neurological life support) certification course, Delivered two lectures on "How to select the right severity scoring system" and "Imaging modalities in Neuro ICU"

Dr. P. Bhaskar Rao

1. Attended Research Methodology & Mendeley workshop on 26th April 2019 at AIIMS, Bhubaneswar
2. Participated as a faculty to train the trainers in intensive care on mechanical ventilation on 28th June 2019 at AIIMS, Bhubaneswar
3. Participated and delivered a lecture on Non-invasive ventilation, followed by hands on workshop on 30th June 2019 at Department of Medicine, SCB medical college, Cuttack
4. Organized a Continued Medical Education (CME) on Palliative care on 10th August 2019 at AIIMS, Bhubaneswar.
5. Attended a training session on palliative care from 3rd to 5th October 2019 at AIIMS, New Delhi and delivered a lecture on "Neuropathic Pain"
6. Organized 29th East zone Indian society of Anaesthesiologists & 48th Odisha state conference held from 18th to 20th October 2019 at AIIMS Bhubaneswar
7. Delivered a lecture and hands on workshop as faculty on Basic Life support and advanced cardiac life support at Department of Medicine, SCB medical college, Cuttack on 7th December 2019
8. Attended Critical Care Mock Examinations for DM degree as examiner on 12th December 2019 at SGPGI, Lucknow
9. Attended Critical Care CME on 13th December 2019 at SGPGI, Lucknow and chaired two sessions.

Dr. Neha Singh

1. Attended Workshop on Effective Medical Literature Search organized by Institute research Committee, AIIMS, Bhubaneswar on 26th April, 2019 at AIIMS Bhubaneswar.
2. Attended and participated as trainer and delivered a lecture on "Obstetric Critical Care" in Critical care management training programme organized by AIIMS, Bhubaneswar from May to July 2019 at AIIMS, Bhubaneswar.
3. Attended as an invited faculty for Ultrasound Guided Regional Anaesthesia Workshop at AORA (Academy of Regional Anesthesia) 2019 from 4th to 7th July, 2019 at Coimbatore.
4. Attended peripheral nerve stimulator and ultrasound guided nerve block course - hands on (PUNCH 2019) from 31st August to 1st September at Bhubaneswar and participated as an invited faculty for workshop on Infraclavicular, Costoclavicular and Axillary nerve block, delivered a talk on "Regional Anaesthesia and Anticoagulation"
5. Attended 12th National Conference of Association of Obstetric Anaesthesiologists (AOA) 2019 from 27th to 29th September 2019 at Chennai and delivered a talk on "Dexmedetomidine in Obstetrics", attended workshop on labour analgesia.

6. Attended and participated as an organising team member for the 29th ISACON (Indian Association of Anesthesiologists Conference) East Zone from 18th to 19th October, 2019 at AIIMS Bhubaneswar
7. Attended seminar on Quality and Patient Safety, organised by Department of Hospital administration on 9th November 2019 at AIIMS, Bhubaneswar.
8. Attended ISACON (Indian Association of Anesthesiologists Conference) 2019 from 25th to 29th November, 2019 at Bangalore and participated as a faculty for Ultrasound Guided Regional Anaesthesia workshop and presented paper on "Comparison of Oropharyngeal volume versus modified mallampati grading for prediction of difficult laryngoscopy. Does the road end here?" under ISACON Jaipur Difficult Airway Award Session
9. Attended MECON (medical education conference) 2020 from 23th to 25th January, 2020 at AIIMS, Bhubaneswar.

Dr. Jayanta Kumar Mitra

1. Attended and participated as organising team member for the 29th ISACON (Indian Association of Anesthesiologists Conference) East Zone from 18th to 19th October, 2019 at AIIMS Bhubaneswar

Dr. Bikram Kishore Behera

1. Attended as delegate at Workshop on Effective Literature Search on 26th April 2019 at AIIMS Bhubaneswar.
2. Attended as delegate at 9th National Conference of the Academy of Regional Anaesthesia of India from 4th to 7th July 2019 at Combatore
3. Attended and participated as faculty speaker at 43rd Annual Conference of the Indian Society for the Surgery of the Hand on 15th September 2019 at Puri and delivered a lecture on "Overview of Anesthesia for Hand Surgery"
4. Attended as delegate at 3rd National Workshop on R for Basic Biostatistics from 24th to 27th September 2019 at AIIMS Bhubaneswar.
5. Attended 29th ISACON (Indian Association of Anesthesiologists Conference) East Zone from 18th to 19th October 2019 at AIIMS, Bhubaneswar and delivered a lecture on "Pediatric difficult airway management".
6. Attended and organized the East zone conference of Indian Society of Anesthesiologists and 48th Odisha state conference, 2019 from October 18th to 20th 2019 at AIIMS, Bhubaneswar.
7. Attended and participated as a faculty for workshops (Airway management & Basics of research methodology) at 29th ISACON East Zone conference on 20th October 2020 at AIIMS Bhubaneswar.
8. Participated as delegate Medical Education Conference MECON-2020 at AIIMS Bhubaneswar from 24th & 25th January 2020.

Dr. Sritam Swarup Jena

1. Attended workshop on effective medical literature search on 27th April, 2019 at AIIMS Bhubaneswar
2. Attended as a guiding faculty in BLS (Basic Life Support) workshop for WISSEN 3.0 on 19th August 2019 at AIIMS Bhubaneswar
3. Attended as a resource person for training on "Management of substance use disorder" on 27th October, 2019 at AIIMS Bhubaneswar
4. Attended and participated as an organizer (transport & accommodation) in 29th ISACON (Indian Association of Anesthesiologists Conference) east zone from 18th to 20th October, 2019 at AIIMS Bhubaneswar
5. Attended workshop on "Basics of research methodology and publications" in 29th ISACON (Indian Association of Anesthesiologists Conference) east zone on 20th October, 2019 at AIIMS Bhubaneswar
6. Attended and participated as a faculty in SURGILAPCON 2019 from 7th to 8th December, 2019 at Lucknow
7. Attended 2nd Odisha Annual Critical Care Conference as a delegate held on 14th December, 2019 at Bhubaneswar

Dr. Aparajita Panda

1. Attended workshop on effective medical literature search on 26th April, 2019 at AIIMS Bhubaneswar
2. Attended 29th ISACON (Indian Association of Anesthesiologists) East Zone from 18th to 20th October, 2019 at AIIMS Bhubaneswar
3. Attended workshop on Basics of research methodology and publication on 20th October, 2019 at AIIMS Bhubaneswar
4. Attended 2nd Odisha Annual Critical Care Conference on 14th December, 2019 at Bhubaneswar
5. Attended Online Basic Course in biomedical research by National Institute of Epidemiology held from September to December 2019

Dr. Alok Kumar Sahoo

1. Attended workshop on Workshop on Effective Medical Literature Search on 26th & 27th April 2019 at AIIMS Bhubaneswar.
2. Attended and organizer the East zone conference of Indian Society of Anesthesiologists and 48th Odisha state conference, 2019 from October 18th to 20th 2019 at AIIMS, Bhubaneswar.
3. Attended and conducted a workshop on Mechanical Ventilation at ISACON (Indian Association of Anesthesiologists Conference) East zone 2019 on 20th October at AIIMS, Bhubaneswar.
4. Attended and organized 2nd Odisha Critical Care Conference (OACCON) 2019 from 14th to 15th December 2019 at Bhubaneswar, and conducted a workshop on mechanical ventilation.
5. Attended as a delegate in MECON (medical education conference) 2020 from 23rd to 25th January 2020 at AIIMS Bhubaneswar.
6. Attended CRITICARE (critical care conference) 2020 from 28th February to 1st March 2020 at Hyderabad and chaired a session on the theme- Endocrine and Metabolic.

Dr. Suma Rabab Ahmad

1. Attended "28th Simulator based Course on Mechanical Ventilation" by Health Training , Asia and Care Hospitals on 24th August, 2019 at Bhubaneswar
2. Attended "Basic Course of Biomedical Research" online by swayam during August to December 2019

Dr. Prasanta Kumar Das

1. Attended and participated as an organizer in 29th ISACON (Indian Association of Anesthesiologists Conference) east zone from 18th to 20th October, 2019 at AIIMS Bhubaneswar

Dr. Nitasha Mishra

1. Attended as a guiding faculty in BLS (Basic Life Support) workshop for WISSEN 3.0 on 19th August, 2019 at AIIMS Bhubaneswar
2. Attended and participated as an organizer in 29th ISACON (Indian Association of Anesthesiologists Conference) east zone from 18th to 20th October, 2019 at AIIMS Bhubaneswar
3. Attended POCUS (Point of Care Ultrasound) workshop from 18th to 19th January, 2020 at AIIMS, Bhubaneswar
4. Attended medical education workshop in MECON (Medical education conference) from 24th to 25th January, 2020 at AIIMS, Bhubaneswar
5. Attended as a faculty in national conference of ISNACC (Indian Society of Neuroanesthesia And Critical Care) from 31st January to 2nd February, 2020 at Chennai

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

1. Title of the project - Intensive Care Associated Mental Health outcome (ICMO) A prospective study in Indian Population
Name of the principal investigator – Dr. Swagata Tripathy
Funding agency: ICMR, Duration – 3 years, Start year: 2016, Funds: Rs. 1900000
IEC approval number: IEC/AIIMS/2013/11/07/03
2. Title of project- Indian Registry of Intensive Care
Name of the principal investigator – Dr. Swagata Tripathy
Duration – 3 years, Start year: 2019, Funds: Rs. 41,86,767
IEC Approval Number –T/EMF/ANESTH/19/08
3. Title of the project - Efficacy of a sub-anesthetic dose of iv ketamine vs caudal epidural with bupivacaine for analgesia in children undergoing infra-umbilical surgery under general anesthesia
Name of the principal investigator – Dr. Alok Kumar Sahoo
Funding agency: AIIMS Bhubaneswar, Duration – 1.5years, start year: 2018 Funds: Rs. 370000,
IEC approval number: T/IM-F/17-18/16
4. Title of the project - Study of Microbiological Etiology of Severe Community Acquired Pneumonia with special emphasis on viruses and atypical bacteria and its association with Mortality
Name of the principal investigator: Dr. Suma Rabab Ahmad,
Funding agency: AIIMS, Bhubaneswar, Duration – 2 years, start year: 2019, Funds: Rs.4,94,674/-,
IEC approval number: T/IM-F/18-19/42

5. Title of the project: Comparison of analgesic efficacy of continuous intravenous infusion versus intermittent intravenous boluses of paracetamol in postoperative pain relief following laparoscopic cholecystectomy: A randomized controlled trial.
Name of the principal investigator: Dr Aparajita Panda
Funding agency: AIIMS, Bhubaneswar. Duration: 1 yr Start year: 2018, Funds: Rs.170000/-
IEC approval number: IMF/10/2018
6. Title of the project: Effect of high inspired oxygen concentration on postoperative nausea and vomiting (PONV) in pediatric patients undergoing surgery.
Name of the principal investigator: Dr. Bikram Kishore Behera
Funding agency: AIIMS, Bhubaneswar, Duration – 2 years, Start year: 2018, Funds: Rs.4,00,000/-
IEC approval number:T/IM-F/17-18/15
7. Title of the project: Effect of combination of N-acetylcystine and magnesium sulphate as an adjuvant in the management of organophosphorus poisoning: A Randomized clinical trial.
Name of the principal investigator: Dr Jayanta Kumar Mitra
Funding Agency: AIIMS, Bhubaneswar. Duration: 2 years, Start Year:2019, Funds: Rs. 3,58,800/-
IEC Approval No: T/IM-F/18-19/03

Completed:

1. Title of the project – Opioid free anaesthesia for breast surgery under PECS block
Name of the principal investigator – Dr. Swagata Tripathy
Funding agency: AIIMS, Bhubaneswar, Duration – 2 years, Start year: 2017, Funds: Rs. 90000/-
IEC approval number: AIIMS/BBSR/RC/2016/53
2. Title: Effect of subanaesthetic dose of intravenous ketamine and lumbar epidural analgesia vs thoracic epidural analgesia on postoperative pain in patients undergoing major abdominal surgeries: A randomized controlled trial.
Name of the principal investigator: Dr. Neha Singh
Funding agency: AIIMS, Bhubaneswar, Duration – 1 years, Start year: 2018, Funds: Rs. 4 Lakhs
IEC approval number: T/IM-F/17-18/40
3. Title: Effect of pre-emptive epidural analgesia on postoperative pain score and analgesic requirement in patients undergoing bilateral knee replacement surgery.
Name of the principal investigator: Dr. P. Bhaskar Rao
Funding agency: AIIMS, Bhubaneswar, Duration 2 years, Start year: 2017, Funds: Rs. 2 lakhs
IEC approval number: T/IM-F/Anaesth/15/08

Departmental:**Ongoing:**

1. Title of the project: Nasogastric tube insertion using four different methods in patients with double-lumen endotracheal tubes: A prospective randomized trial.
Name of the principal investigator: Dr Satyajeet Misra
Funding agency: Non-funded, Duration- 2 years, start year: 2018
IEC approval number: T/IM-NF/ Anaesth/18/16
2. Title of the project - Effect of preoperative dexmedetomidine nebulization on hemodynamic response to laryngoscopy and intubation: placebo controlled randomized trial.
Name of the principal investigator: Dr. Satyajeet Misra
Funding agency: Non-funded, Duration – 1 year, start year: 2019
IEC approval number: T/IM-NF/Anaesth/18/44
3. Title of the project - Families Experience of an ICU Diary in the Indian ICU- a Qualitative Study.
Name of the principal investigator: Dr. Swagata Tripathy
Funding agency: Non-funded, Duration – 2 years, start year: 2019
IEC approval number: T/IM-NF/Anaesth/18/50
4. Title of the project. Parental Anxiety, whose children undergoing surgery, an observational study.
Name of the principal investigator - Dr Alok Kumar Sahoo
Funding agency: NA, Duration - 3 years, start year:2018,
IEC approval number- T/IM-NF/Anaesth/18/42
5. Title of the project: The effect of different anaesthesia techniques combination on surgical stress and inflammatory markers in patients undergoing laparoscopic abdominal surgery.
Name of the principal investigator: Dr. Neha Singh
Funding agency: NA Duration: 6 months, start year: 2019
IEC approval number: T/IM-NF/Anaesth/18/65

6. Title of the project: Comparison of either alone or a combination of ultrasound guided anterior and posterior quadratus lumborum block in laparoscopic abdominal surgeries: A Randomised Controlled trial.
Name of the principal investigator: Dr. Neha Singh
Funding agency: NA Duration: 1 year, start year: 2019
IEC approval number: T/IM-NF/Anaesth/18/71
7. Title of the project: Comparison of blind technique with direct and video laryngoscope guided laryngeal mask airway insertion techniques in pediatric population- A Prospective Randomized Study.
Name of the principal investigator: Dr. Bikram Kishore Behera
Funding agency: NA, Duration, start year: 2019
IEC approval number: T/IM-NF/Anaesth/18/60
8. Title of the project: Development and validation of an institutional surgical safety check list
Name of the principal investigator: Dr. Jayanta Kumar Mitra
Funding agency: NA, Duration: 1 year, Start Year:2019
IEC approval number: T/IM-NF/Anaesth/18/68
9. Title of the project: Epidemiology, diversities and difference in regional Anaesthesia Practices in eastern India.
Name of the principal investigator: Dr. Neha Singh
Funding agency: NA Duration: 1 year, start year: 2019
IEC approval number: T/IM-NF/Anaesth/19/31
10. Title: Enhanced recovery after surgery in elective craniotomies – A non-randomized control trial. (PG thesis)
Name of the principal investigator: Prof. Sukdev Nayak (PG thesis of Dr Anirudh Elayat)
Funding agency: Not applicable; duration- 2 years, start year: 2017
IEC approval number: IEC/AIIMS BBSR/PG thesis/ 2017 – 18/18
11. Title: Effect of Sub-anesthetic dose of ketamine on post-operative pain control in patient undergoing modified radical mastectomy (PG thesis)
Name of the principal investigator: Dr Satyajeet Misra (PG thesis of Dr. B. Mohan Naik)
Funding agency: Not applicable; duration- 2 years, start year: 2017
IEC approval number: IEC/AIIMS BBSR/PG thesis/ 2017 – 18/20
12. Title: Preoperative CRP albumin ratio as a predictor of postoperative mechanical ventilation in patients undergoing non-cardiac surgery under general anaesthesia (PG thesis)
Name of the principal investigator: Prof. Sukdev Nayak (PG thesis of Dr. Vaishakh Tharavath)
Funding agency: Not applicable; duration- 2 years, start year: 2018
IEC approval number: IEC/AIIMS BBSR/PG thesis/ 2017 – 18/ 30
13. Title: The effect of low dose Ketamine vs Dexmedetomidine infusions on recovery profiles in patients undergoing GI malignancy surgeries (PG thesis)
Name of the principal investigator: Dr. Satyajeet Misra (PG thesis of Dr. Sabari Karthick)
Funding agency: Not applicable; duration- 2 years, start year: 2018
IEC approval number: IEC/AIIMS BBSR/PG thesis/2017-18/33
14. Title: DCO₂ (Central venous to arterial CO₂ difference) assisted goal directed hemodynamic management during major surgery – a randomized control trial (PG thesis)
Name of the principal investigator: Dr. Swagata Tripathy (PG thesis of Dr.Lohith Kumar H N)
Funding agency: Not applicable; duration- 2 years, start year: 2018
IEC approval number: IEC/AIIMS BBSR/PG thesis/ 2018 – 19/07
15. Title: A prospective, randomized, placebo-controlled, double-blinded clinical trial to evaluate the effects of ipsilateral Erector Spinae Plane block (ESP block) on the post-operative pain scores and opioid consumption in adult patients undergoing Percutaneous Nephrolithotomy (PCNL) in a tertiary care hospital.(PG thesis)
Name of the principal investigator: Dr Jayanta K Mitra (PG thesis of Dr.Satyaki Sarkar)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number: IEC/AIIMS BBSR/PG thesis/2018-19/39
16. Title: Comparison of conventional to weight based PEEP setting in reducing anesthesia induced atelectasis detected by lung ultrasound: a randomized controlled trial.
Name of the principal investigator: Dr P. Bhaskar Rao (PG theis of Dr Sachin H N)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/11
17. Title: Is there an optimal place to hold the endotracheal tube during direct laryngoscopy? A randomized controlled trial
Name of the principal investigator: Dr Swagata Tripathy (PG thesis of Dr Manisha Sahoo)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/07

18. Title: Influence of 3% hypertonic saline in major abdominal surgery in comparison to NS, a randomized comparative trial
Name of the principal investigator: Dr Satyajeet Misra (PG thesis of Dr Sriharipriya Behera)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/06
19. Title: A comparison of ultrasound guided transversus abdominis plane block, ilioinguinal and iliohypogastric nerve block and quadratus lumborum block for post operative analgesia in children undergoing inguinal hernia repair, a randomized controlled trial
Name of the principal investigator: Dr Bikram K Behera (PG thesis of Dr Priyadarshini K)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/09
20. Title: Effect of dexmedetomidine as an adjuvant in quadratus lumborum block in patients undergoing caesarean section – a randomized controlled trial
Name of the principal investigator: Dr Neha Singh (PG thesis of Dr Vishnu Anandan)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/03
21. Title: Effect of 5% EMLA cream on post-operative sore throat following general endotracheal anesthesia – a randomized controlled trial
Name of the principal investigator: Dr Alok K Sahoo (PG thesis of Dr Abishek M)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/28
22. Title: Effect of add-on intravenous lignocaine on delirium and cognitive dysfunction after surgery in patients undergoing total hip, knee replacement: a double blinded randomized controlled trial
Name of the principal investigator: Dr P. Bhaskar Rao (PG thesis of Dr Madhurima)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2019-20/04
23. Title: The impact of 3% hypertonic saline versus 20% mannitol on clinical outcomes in patients undergoing elective craniotomy for supratentorial tumours a prospective randomized controlled trial
Name of the principal investigator: Dr Satyajeet Misra (PG thesis of Dr Dona Saha)
Funding agency: Not applicable; duration- 2 years, start year: 2019
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2019-20/12
24. Title: Effects of preemptive tapentadol combined with ipsilateral pectoral nerve blocks on postoperative analgesia in patients undergoing modified radical mastectomy: a prospective randomized controlled trial
Name of the principal investigator: Dr. Aparajita Panda (PG thesis of Dr Sambit Nandi)
Funding agency: Not applicable; duration- 2 years, start year: 2020
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2020-21/42
25. Title: Effect of ketofol vs Propofol on the stimulus dose for seizure in patients undergoing electroconvulsive therapy: a randomized controlled trial
Name of the principal investigator: Dr Nitasha Mishra (PG thesis of Dr Jaydeep Sanghani)
Funding agency: Not applicable; duration- 2 years, start year: 2020
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2020/09/027921
26. Title: The effect of four different blind techniques of i-gel insertion in pediatric patients by anesthesia trainee residents on device position and performance, a single blinded prospective controlled trial
Name of the principal investigator: Dr Bikram K Behera (PG thesis of Dr Priya Priyadarshi)
Funding agency: Not applicable; duration- 2 years, start year: 2020
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2020-21/47
27. Title: Effect of dexmedetomidine vs subanaesthetic Ketamine infusion on postoperative cognitive functions in patients undergoing major abdominal surgeries: a randomized controlled trial
Name of the principal investigator: Dr. Prasanta Das (PG thesis of Dr Kaushik Shetty)
Funding agency: Not applicable; duration- 2 years, start year: 2020
IEC approval number – IEC/AIIMS BBSR/PG Thesis/2020-21/29
28. Title: Effects of pre-emptive tapentadol combined with ipsilateral pectoral nerve block on post-operative analgesia in patients undergoing modified radical mastectomy: a prospective randomized controlled trial
Name of the principal investigator: Dr Sritam Swarup Jena (PG thesis of Dr Gogulavadhani M)
Funding agency: Not applicable; duration- 2 years, start year: 2020
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2020-21/52

29. Title: Effect of intraoperative dexamethasone on arterial blood lactate levels in patients undergoing craniotomy: a prospective double-blinded randomized controlled trial
 Name of the principal investigator: Dr Swagata Triathy (PG thesis of Dr Rushikesh Satpathy)
 Funding agency: Not applicable; duration- 2 years, start year: 2020
 IEC approval number- IEC/AIIMS BBSR/PG thesis/2020-21/64

Completed:

1. Title of the project: Oropharyngeal Volume as a predictor of difficult airway: An observational study.
 Name of the principal investigator: Dr. Neha Singh
 Funding agency: Not Applicable Duration: 1 year, start year: 2017
 IEC approval number: T/IM-NF/Anaesth/17/04
2. Title of the project: Information leaflet as tool in improving the awareness regarding anaesthesia in preoperative patients. An Observational study.
 Name of the principal investigator: Dr. Neha Singh
 Funding agency: Not Applicable Duration- 1 year, start year: 2017
 IEC approval number: T/IM-NF/Anaesth/17/02
3. Title: Comparison of Macintosh, McCoy and Tru view laryngoscope for bougie aided nasotracheal intubation in patients posted for head and neck surgeries.
 Name of the principal investigator: Dr. Neha Singh
 Funding agency: Not Applicable, Duration- 1 year, start year: 2017
 IEC approval number: T/IM-NF/Anaesth/17/09
4. Title: Translation and validation of Fremantle back awareness questionnaire in Indian population.
 Name of the principal investigator: Dr.P. Bhaskar Rao Funding agency: Not Applicable; Duration- 6 months, Start year: 2018
 IEC approval number: T/IM-NF/Anaesth/17/10 (Dated 30/08/2017)

Collaborative projects:**Ongoing:** None**Completed:**

1. Title of the project - Decubitus in Intensive Care Units
 Name of the principal investigator – Dr. Swagata Tripathy
 Funding agency: European Society of Intensive Care Medicine, Duration – 1 month, Start year: point prevalence Funds: Nil, IEC approval number: T/IM-NF/Anaesth/18/08
2. Dilatational percutaneous vs Surgical tracheostomy in intensive care unit: A practice pattern observational multicenter study (DISSECT).
 Name of the principal investigator – Dr. Alok Kumar Sahoo
 Funding agency: Indian Society of critical Care Medicine, Duration – 2 years, Start year – 2019, Funds: Nil, IEC approval number: T/EMF/Anaesth/19/14

PATIENT CARE / HOSPITAL SERVICES

The department of Anesthesiology & Critical care provides anesthesia services to all broad speciality and super speciality surgical departments, both for elective as well as emergency cases. Presently anesthesia services are provided in 15 operation theatres. In addition, the department also runs a 14 bedded intensive care unit. Out-patient department clinics consist of pre-anesthesia check-up clinic, pain and palliative care clinics which are run from Mondays to Fridays. Anesthesia services are also provided for MRI, CT, electroconvulsive therapy, and radiotherapy on a daily basis. In-patient palliative care services as well as services for patients coming with acute and chronic pain, are also provided. Peripheral services like emergency peripheral and central intravenous access, intubation calls, cardiac arrest calls, etc for in-patients as well as emergency ward patients are also provided.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Training on ICU case management for peripheral doctors and nurses was held from May to July in which 18 doctors and nursing staff participated.
2. Faculty from the department were involved in the workshop on Basic Life Support conducted on 19th Aug, 2019 for undergraduates and interns of various medical colleges from the state.
3. MoU was signed with Jivdaya foundation for palliative care services under the department on 9th Sept, 2019.
4. World Hospice day was celebrated on 10th Oct, 2019 and 6 bedded palliative care service was inaugurated on the same day.

5. The department organized 29th Indian Association of Anesthesiologists (ISACON) east zone conference and 48th OSISACON (Odisha State Conference) from 18th to 20th Oct, 2019 in which 400 delegates and faculty from various parts of the country participated. Various workshops like Basics of research methodology and publications, Mechanical ventilation, Hemodynamic monitoring etc were conducted.
6. Dr. Satyajeet Misra received first prize for original research paper presentation in the 23rd national conference of Indian Association of Cardiovascular and Thoracic Anaesthesiologists (IACON) 2020 held from 7th to 9th Feb 2020 at Goa.
7. Dr. Swagata Tripathy was awarded for best poster at CRITICARE 2020 held from 27th February to March 1st 2020 at Hyderabad.
8. Dr. Swagata Tripathy was awarded the international Inaugural 'Critical Care Challenges' award in the Singapore Australia New Zealand Intensive Care Society (ANZICS) held from 20th to 22nd April 2019 at Singapore.
9. Dr. Neha Singh was selected for the Best Poster Prize at 12th National Conference of Association of Obstetric Anaesthesiology (AOA) for Real time continuous fetal monitoring during anaesthesia induction using Point of care ultrasound: A case series. from 27th to 29th September 2019 at Chennai.
10. Dr. Vaishakh T (Postgraduate resident) won the prestigious Dr. T. N. Jha memorial award at Indian Association of Anaesthesiologists' national conference (ISACON) 2019 held from 25th to 29th November 2019 at Bangalore.

PUBLICATIONS

1. Tripathy S, Mandal I, Rao PB, Kar M. Opioid-free anesthesia for breast cancer surgery: A comparison of ultrasound guided paravertebral and pectoral nerve blocks. A randomized controlled trial. *J Anaesthesiol Clin Pharmacol* 2019; 35:475-80 PMID - 31920230
2. Mathur P, Behera B, Tripathy S, Misra S, Mishra TS, et al. Assessment of core capacities for antimicrobial stewardship practices in indian hospitals: Report from a multicentric initiative of global health security agenda. *Indian J Med Microbiol* 2019; 37:309 PMID - 32003327
3. Barman A, Mukherjee S, Sahoo J, Maiti R, Rao PB, Sinha MK, Sahoo D, Tripathy SK, Patro BK, Bag ND. Single Intra-articular Platelet-Rich Plasma Versus Corticosteroid Injections in the Treatment of Adhesive Capsulitis of the Shoulder. *Am J Phys Med Rehabil* 2019; 98:549-557 PMID - 30676339
4. Rao PB, Mohanty CR, Singh N, Mund M, Patel A, Sahoo AK. Effectiveness of Different Techniques of Ethyl Chloride Spray for Venepuncture-Induced Pain: A Randomised Controlled Trial. *Anesth Essays Res* 2019;13:568-571. PMID - 31602079
5. Sahoo AK, Majhi K, Mandal I. A Comparative Evaluation of Hemodynamic Response and Ease of Intubation using Airtraq and McCoy Laryngoscope. *Anesth Essays Res* 2019;13:498-502 PMID - 31602068
6. Singh N, Rao PB, Samal RL. TruView Video Laryngoscope for Lateral Position Intubation in a Patient With Giant Presacral Neurofibroma. *J Emerg Med* 2019; 57:380-382 PMID - 31378445
7. Mohanty CR, Sahoo AK, Panda R, Jain M. Gluteal compartment syndrome a rare complication of lithotomy position and continuous postoperative epidural analgesia. *J Anaesthesiol Clin Pharmacol* 2019; 35:403-404 PMID - 31543595
8. Tripathy S, Ahmed SR. Raised Intracranial Pressure Syndrome: A Stepwise Approach. *Indian Journal of Critical Care Medicine* 2019;23(Suppl 2):S129-S135. PMID: 31485121
9. Tripathy S. Nutrition in the acutely ill elderly patients. *Journal of Geriatric Care and Research* 2019;61;26-30 PMID-23975628
10. Tripathy S, Kar N. Preventing Mental Health Symptoms in Post ICU Patients and Their Family Members. *Crit Care Med* 2019 May;47:e429–e430 PMID - 30985465
11. Tripathy S, Kar N. Psychiatric Morbidity in the Post-ICU Patient—Ethnocultural Differences. *Indian J Crit Care Med* 2019;23:440-441 PMID - 31645835
12. Singh N, Mohanty CR, Nayak BM, Mohanty GS. Point-of-care ultrasonography for fetal monitoring during non-obstetrical maternal surgery in the second trimester. *Can J Anaesth* 2019; 66:742-43 PMID - 30838522
13. Mishra N, Singh S. A Case of Fiberoptic Bronchoscopy Used as Innovative Aid for Life Saving in Difficult Surgical Tracheostomy Patient. *Korean J Anesthesiol* 2019;72:620-621 PMID - 31257817
14. Mohanty CR, Ahmad SR, Nayak BM, Raju RB. Breaking of airway exchange device during endotracheal intubation - An avoidable catastrophe. *J Clin Anesth* 2019;55:50-51 PMID - 30594681
15. Mohanty CR, Ahmad SR, Elyat A, Bellapukonda S, Panigrahi SK. Point of care ultrasonography: a boon for early localization and retrieval of broken fragment of external jugular venous catheter. *Korean J of Anesthesiol*. 2019 Oct 09; 73:77-78 PMID - 31597229
16. Mohanty CR, Ahmad SR, Jain M, Sriramka B. Air embolism through open hub of external jugular vein intravenous

cannula. Turk J Emerg Med. 2019 Jul; 19: 117–119 PMID: 31321347

17. Mohanty CR, Bellapukonda S, Ahmad SR, Sarkar S. Seconds from disaster-crisis in critical care unit during tropical cyclone 'Fani'. J ClinAnesth. 2020 March 01; 60: 72-73 PMID - 31473447
18. Misra S, Das PK, Bal SK, Elayat A, Sahoo S. Therapeutic whole lung lavage for alveolar proteinosis. J CardiothoracVascAnesth2020;34:250-7 PMID - 31399308
19. Ahmad SR, Singh N, Rao PB, Anandan V. Understanding fascial plain blocks for breast cancer surgeries-Doses and volumes matter? J ClinAnesth. 2020 Feb;59:55 PMID: 31226534
20. Ahmad SR, Singh N, Rao PB, Anandan V. Understanding fascial plain blocks for breast cancer surgeries-Doses and volumes matter?. J Clin Anesth. 2020; 59: 50. PMID - 31226534
21. Mohanty CR, Ahmad SR, Bellapukonda S, Sahoo S. Medical gas pipeline system disruption during tropical cyclone 'Fani' – a clear and present danger of tropical cyclones: Are we prepared?. Indian J Anaesth 2020;64:439-41 PMID - 32724258
22. Mohanty CR, Ahmad SR, Behera BK, Bellapukonda S. Difficult and failed airway in small neonates: Lightwand revisited. J Anaesthesiol Clin Pharmacol 2020;36:130-131 PMID - 32174680
23. Sahoo AK, Tripathy S, Singh SK Prone ventilation in a patient with severe ARDS having a floating sternum. BMJ Case Rep 2019;12(3) PMID: 30862672



AIIMS ICU case management training for peripheral doctors (May-July, 2019)



Certificate distribution
(AIIMS ICU case management training)



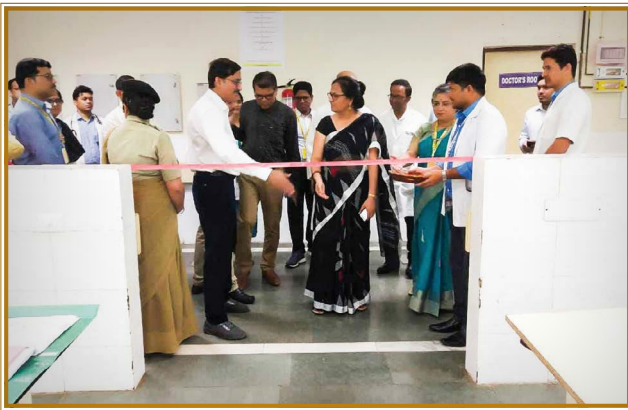
Liquid medical oxygen plant inauguration (29.07.19)



Inauguration of modular operation theatres (05.08.19)



MoU with JivaDaya foundation for palliative care services under the department (09.09.19)



Inauguration of 6 bedded palliative care inpatient department (10.10.19)



World Hospice day celebration (10.10.19)



The department organized 29th east zone ISACON and 48th OSISACON 2019 (18th-20th October, 2019)



ISACON east zone dinner night



ANATOMY

ANATOMY

FACULTY

Dr. Manisha Rajanand Gaikwad
Additional Professor & Head

Dr. Prabhas Ranjan Tripathy
Additional Professor

Dr. Madhumita Patnaik
Assistant Professor

Dr. Pravash Ranjan Mishra
Additional Professor

Dr. Amit Purushottam Tirpude
Associate Professor

Dr. Sanjukta Sahoo
Assistant Professor

HIGHLIGHTS

Apart from the regular teaching and learning activities and research, the department had organised a Hands-on Cadaveric Workshop on 8th December 2019 in collaboration with the Department of Ophthalmology, AIIMS, Bhubaneswar and LV Prasad Eye Institute, Bhubaneswar. We are setting up of a state-of-the-art Cytogenetic Laboratory with Karyotyping and FISH (Fluorescence in situ hybridization) facilities to provide diagnostic and counselling services to the patients of AIIMS, Bhubaneswar. A dedicated area in the department for establishment of the said Cytogenetic Laboratory is already earmarked. The procurement of equipment, chemicals and reagents was done for the same. We have attended Webinars on Karyotyping and FISH. Dr. Praveen Kumar R, first postgraduate student of the department was conferred MD Anatomy degree successfully in February 2020.

EDUCATION

At present the department has been involved in teaching postgraduate (MD); undergraduate (MBBS), B.Sc. and M.Sc. Nursing; B.Sc. (Hons) Paramedical Courses. The faculty and residents were involved in taking classes. We are following the new curriculum for the medical undergraduate course, that has been approved by the Governing Body of AIIMS, Bhubaneswar. Both formative and summative assessments were held periodically to evaluate the students. Clinically oriented learning was emphasised by organising horizontally and vertically integrated lectures and seminars in association with other departments. The acquisition of skill has been tested periodically by conducting objective structured practical examination (OSPE) during the medical teaching. The department has been organising online classes and assessments for Medical, Nursing and Paramedical students during the Covid19 lockdown period (as suspension of physical classes was declared from 19th March 2020 in AIIMS, Bhubaneswar).

CONFERENCES/CME/WORKSHOPS ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Manisha Rajanand Gaikwad

1. Delivered a talk on Anatomy of the lymphatic system at CME and Workshop on Management of Lymphoedema organized by Department of Burns and Plastic surgery on 17th January 2019 at All India Institute of Medical Sciences, Bhubaneswar, Odisha.
2. Attended the Board of studies meeting on 24th June 2019 at Dr. NTR Health University, Vijaywada.
3. Attended the Malaysian Anatomical Association conference 2019 at Kuala Lumpur and presented a scientific poster on "Splenuculi, Can Mimic Acute Abdomen: Its Clinical and Surgical Relevance" at the conference from 4th to 5th September 2019.
4. Delivered a guest talk on Lymphatic drainage of mammary gland for nursing delegates at Asian Society of Mastology Conference - 2019 in AIIMS Bhubaneswar on 17th November 2019.
5. Organised and participated in the Cadaveric Workshop organized by the Dept. of Ophthalmology, AIIMS, Bhubaneswar, the Dept. of Anatomy, AIIMS, Bhubaneswar and L.V. Prasad Eye Institute, Mithu Tulsi Chanrai Campus, Bhubaneswar on 8th December 2019.
6. Attended the National seminar on patient safety and quality control organized by Dept. of Hospital Administration held at AIIMS Bhubaneswar on 9th December 2019.
7. Attended the National Medical Education Conference 2020 on 24th and 25th January 2020 at AIIMS Bhubaneswar.
8. Attended hands on workshop on Interphase Fluorescent In-situ Hybridization at CMC Vellore from 4th to 6th February 2020.

Dr. Pravash Ranjan Mishra.

1. Attended the CME and Workshop on Management of Lymphoedema organized by Department of Burns and Plastic surgery on 17th January 2019 at All India Institute of Medical Sciences, Bhubaneswar, Odisha.
2. Participated in "Workshop on Effective Medical Literature Search". The workshop conducted by Q Med Knowledge Foundation and organized by the Institute Research Committee one full day workshop held on 26th -27th April 2019 at AIIMS Bhubaneswar.

3. Attended the 67th National Conference of Anatomical society of India held at Vardhman Mahavir medical college, Safdarjung Hospital, New Delhi on 18th -20th November, 2019 and presented a paper "Germ Cell Neoplasia in situ (GCNIS), A Potential Threat in Undescended Testes"
4. Attended and participated in the Cadaveric Workshop organized by the Dept. of Ophthalmology AIIMS, Bhubaneswar, the Dept. of Anatomy, AIIMS, Bhubaneswar and L.V. Prasad Eye Institute, Mithu Tulsi Chanrai Campus, Bhubaneswar on 8th December 2019 and delivered an invited lecture on "Anatomy of Orbit" on 8th December 2019.
5. National seminar on patient safety and quality organized by Dept. of Hospital Administration held at AIIMS Bhubaneswar on 9th December 2019.
6. Attended the 32nd conference of the ASI Odisha chapter 11th-12th January 2020 and presented a case report "Portal Annular Pancreas: A Rare Case Report with Review of Literature"

Dr. Prabhas Tripathy.

1. Participated in "Workshop on Effective Medical Literature Search". The workshop conducted by Q Med Knowledge Foundation and organized by the Institute Research Committee one full day workshop held on 26th- 27th April 2019 at AIIMS Bhubaneswar.
2. Delivered a lecture on Biomedical Waste Management in the 7th Annual Conference of Medicolegal Society of Odisha, held on 1st & 2nd June, 2019 at AIIMS, Bhubaneswar.
3. Presented a paper "Networking between the branches of posterior division of the mandibular nerve, a cadaveric study" as the co- author in 67th Anatomical society of India National Conference, 18th - 20th November 2019 at Vardhman Mahavir Medical College, Safdarjung Hospital, New Delhi.
4. Organizer and resource faculty in Cadaveric Workshops collaboration Department of Ophthalmology and L. V. Prasad Eye Institute, Mithu Tulsi Chanrai Campus, Bhubaneswar on 7th and 8th December 2019.

Dr. Amit Tirpude.

1. Participated in "Workshop on Effective Medical Literature Search". The workshop conducted by Q Med Knowledge Foundation and organized by the Institute Research Committee one full day workshop held on 26th - 27th April 2019 at AIIMS Bhubaneswar.
2. Attended hands on workshop of clinical application of molecular cytogenetics at Centre for DNA Fingerprinting and Diagnostics (CDFD), Hyderabad from 24th-29th June 2019.
3. Completed Research essential skills in medical education (RESME) AMEE (Association for Medical Education in Europe) online course on August 2019.
4. Attended CME on "Management of patients with stroke" on 29th October 2019 at AIIMS Bhubaneswar.
5. Attended CME on Organ & Body Donation at 67th National conference of Anatomical Society of India (NATCON-67) on 18th -20th November, 2019 held at Vardhman Mahavir Medical College, Safdarjung Hospital, New Delhi.
 - Chaired a session on Gross Anatomy at NATCON-67
 - Presented a poster on "Cavum septum pellucidum – A Case report and clinical overview" at NATCON-67.
6. Attended workshop on change management and portfolio-based teaching, learning and assessment on 23th-25th January 2020 at AIIMS Bhubaneswar.
7. Completed Essential skills in medical education (ESME) AMEE (Association for Medical Education in Europe) online course on January 2020.
8. Attended and presented a poster on "Psychometrics of Anatomy spotter's: An educational audit' at the National Medical education conference MECON 2020 on 24th and 25th January 2020 at AIIMS, Bhubaneswar.

Dr. Madhumita Patnaik.

1. Attended the Sensitization Workshop on Mentoring held at College of Nursing, AIIMS, Bhubaneswar on 2nd March 2019.
2. Participated in "Workshop on Effective Medical Literature Search". The workshop conducted by Q Med Knowledge Foundation and organized by the Institute Research Committee one full day workshop held on 26th -27th April 2019 at AIIMS, Bhubaneswar.
3. Attended the 67th National Conference of Anatomical Society of India held from 18th -20th November, 2019 at Vardhman Mahavir medical college, Safdarjung Hospital, New Delhi. Presented a poster titled "A Case Report On Accessory Hepatic Fissure With Retrospective MRI Study of its Vascular Anatomy."
4. Attended and participated in the Cadaveric workshop on organized by the Dept. of Ophthalmology AIIMS, the Dept. of Anatomy, AIIMS, Bhubaneswar and L.V. Prasad Eye Institute Mithu Tulsi Chanrai Campus, Bhubaneswar on December 7th - 8th 2019.

Dr. Sanjukta Sahoo.

1. Attended the Sensitization Workshop on Mentoring held at College of Nursing, AIIMS, Bhubaneswar on 2nd March 2019.
2. Participated in "Workshop on Effective Medical Literature Search". The workshop conducted by Q Med Knowledge Foundation and organized by the Institute Research Committee one full day workshop held on 26th -27th April 2019 at AIIMS, Bhubaneswar.
3. Attended and participated in the Cadaveric workshop on organized by the Dept. of Ophthalmology AIIMS, Bhubaneswar, the Dept. of Anatomy, AIIMS, Bhubaneswar and L.V. Prasad Eye Institute, Mithu Tuli Chanrai Campus, Bhubaneswar on December 7th - 8th 2019. Delivered an invited talk on "Lacrimal Apparatus" as faculty.
4. Attended as Faculty XXXII Annual conference of Anatomical Society of India, Odisha state chapter -2020 On 11th & 12th, Koraput Medical college Odisha. Presented A case report on "Rectus sternalis A case Report"
5. Attended and presented a poster at the National Medical Education Conference (MECON) 2020 on 24th and 25th January 2020 at AIIMS, Bhubaneswar

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

1. Title of the project: Extra mural project, Elucidation of the distribution pattern of human pancreatic islets (α - and β -cells) and association mapping with myosin-Va motor protein.
Name of the principal investigator: Dr. Pravash Ranjan Mishra.
Funding agency: recommended under ICMR Extramural Ad-hoc projects
Duration: 3 year
Start year: 2020
Funds: Rs.23,00,000/-
IEC approval number: T/EMF/Anatomy/19/31

Departmental:**Ongoing :**

1. Title of the project. Histogenesis of Human Foetal Liver with Special Histochemical and Selective Immunohistochemical Stains
Name of the principal investigator: Dr. Anbarasan A
Funding agency: Not Applicable
Duration: 2 years
start year: June 2017
Funds: Not Applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/18
2. Title of the project: Human Cardiomyocyte Proliferation in Fetuses:An Immunohistochemical Study with Phospho Histone H3 (PHH3)
Name of the principal investigator: Dr. Arundhati Kar
Funding agency: Not Applicable
Duration, start year: June 2017
Funds: Not Applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/16

Completed:

1. Title of the project: Age-Related Topographical Variations in Human Pancreatic Islet Morphology and β -Cell Population in Autopsy Specimens from AIIMS Bhubaneswar.
Name of the principal investigator: Dr. Praveen Kumar R
Funding agency: Indian Council of Medical Research.
Duration, start year: June 2017
Funds: Rs. Rs. 50,000/-
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/22

PUBLICATIONS

1. Tirpude AP, Gaikwad M, Tirpude PA, Jain M, Bora S. Retrospective analysis of prevalent anatomy spotter's examination: an educational audit. Korean J Med Educ. 2019;31(2):115-124. PMID: 31230434

2. Ravi PK, Purkait S, Agrawal U, Patra S, Patnaik M, Singh SR, Mishra PR. Regional variation of human pancreatic islets dimension and its impact on beta cells in Indian population. *Islets*. 2019;11:141-151. PMID: 31743072 PMCID: PMC6930023
3. Gaikwad MR, Ravi PK, Patnaik M. A case of potentially lethal vascular variation in association with palmaris profundus muscle. *Anat Cell Biol*. 2019;52:349-353. PMID: 31598367 PMCID: PMC6773895
4. Chaudhary B, Tripathy PR, Gaikwad MR. Vertebral arteries bilaterally passing through stellate (cervicothoracic) ganglion. *Folia Morphol (Warsz)* 2019; Nov 5;79:621-626. PMID: 31688949
5. Chaudhary B, Tripathy PR, Gaikwad MR. A large thymic mass with persistent active tissue in an elderly cadaver- A case report. *Anat Cell Biol* 2019; 52:93-96. PMID: 30984460 PMCID: PMC6449587 DOI: 10.5115/acb.2019.52.1.93
6. Gaikwad MR .An opportunity to cherish at the joint conference of 8th Asia Pacific International Congress of Anatomists (8th APICA) and 68th Annual Meeting of Korean Association of Anatomists. *Anat Cell Biol*. 2019;52:1-2 PMCID: PMC6624333 PMID: 31338242.
7. Gaikwad MR, Kujur B, Jain M, Das SS, Behera S. Complete Agenesis of Dorsal Wall of Sacral Canal: A Case Report. *Cureus*. 2019;11:e5720. (open access journal). PMID: 31720188 PMCID: PMC6823079.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr. Amit P. Tirpude received 3rd Prize in Poster presentation in the National Medical education conference MECON 2020 on 23rd - 25th January 2020 at AIIMS Bhubaneswar.



Bhubaneswar Cadaver Course was hosted by Department of Anatomy, AIIMS Bhubaneswar in collaboration with L V Prasad Eye Institute & Department of Ophthalmology, AIIMS Bhubaneswar on 7th and 8th December 2020.



Dr Manisha R Gaikwad, attended the workshop on Lymphedema, as a part of Asian Society of Mastology Conference (ASOMACON 2019) at All India Institute of Medical Sciences, Bhubaneswar and delivered a guest lecture on Anatomy & Physiology of Breast



Dr Amit Tirpude, receiving third prize in poster presentation in Medical Education Conference (MECON 2020) at All India Institute of Medical Sciences, Bhubaneswar.



Faculties and residents of Department of Anatomy, presented their research projects in the 67th National Conference of Anatomical Society of India (NATCON 2019) held on 18th to 20th November 2019 at Vardhman Mahavir medical college, Safdarjung Hospital, New Delhi.



Faculties and residents of Department of Anatomy, presented their research projects in the 32nd Annual Conference of Anatomical Society of India – Odisha State Chapter held on 11th and 12th January 2020 at Saheed Lakshmi Nayak Medical College & Hospital, Koraput, Odisha.



AYUSH

AYUSH

FACULTY

Dr. Prasanta Kumar Sahoo
Senior Medical Officer (Ayurveda)

Dr. Subhasish Sarkar
Medical Officer AYUSH (Homoeopathy)

Dr. Ajit Kumar Pradhan
Medical Officer AYUSH (Ayurveda)

Dr. Asif Sardar
Medical Officer AYUSH (Homoeopathy)

HIGHLIGHTS

AYUSH department is catering OPD services in Ayurveda and Yoga stream since its inception in the year 2016. The department is further strengthened with appointment of AYUSH medical officers (one SMO and 3 MOs in both Ayurveda and Homoeopathy stream) in the year 2019. Ayurveda IPD services started in the month of October 2019. Homoeopathy OPD services started upon joining of Homoeopathy medical officer in the month of November 2019. Instruments and equipment are procured for strengthening Panchakarma and Ksharasutra Services in the department.

EDUCATION

The department is involved in the teaching of postgraduate students of Nursing who are posted for refresher course in Alternative medicine as part of their curriculum.

PATIENT CARE/HOSPITAL SERVICES

The department is providing OPD services everyday on all the three streams of Ayurveda, Homoeopathy and Yoga. The department has 6, inpatient beds. Panchakarma services like Virechan, Basti, Nasya, Katibasti and Kriyakalpa procedures like Netra Tarpan are provided to OPD as well as IPD patients. Ayurveda and Yoga consultation are provided to the patients referred from other clinical departments like Neurosurgery, Urology, Orthopedics, Psychiatry, Endocrinology and Surgical Oncology.

AWARDS, HONOURS AND SIGNIFICANT EVENTS

This year 4th National Ayurveda Day was celebrated with a seminar on "Ayurveda for longevity" and AYUSH bulletin was published on this occasion. On the eve of this celebration medicinal plants were planted in AIIMS Bhubaneswar Herbal Garden.



4th Ayurveda day celebration and Dhanwantari jayanti celebration on 24th and 25th October 2019



BIOCHEMISTRY

BIOCHEMISTRY

FACULTY

Dr Manaswini Mangaraj
Professor

Dr Debapriya Bandyopadhyay
Associate Professor

Dr Gautom Kumar Saharia Associate
Professor

Dr R Balamurugan
Additional Professor

Dr Prakruti Dash
Associate Professor

Dr Suchanda Sahu
Associate Professor

Dr Suchitra Kumari
Associate Professor

HIGHLIGHTS

The department of Biochemistry is on the 8th year of service at AIIMS Bhubaneswar. The department is actively involved in teaching, patient care, research and other institutional activities. The department is well equipped for conducting various institutional activities and for providing 24x7 laboratory diagnostic services to the patients.

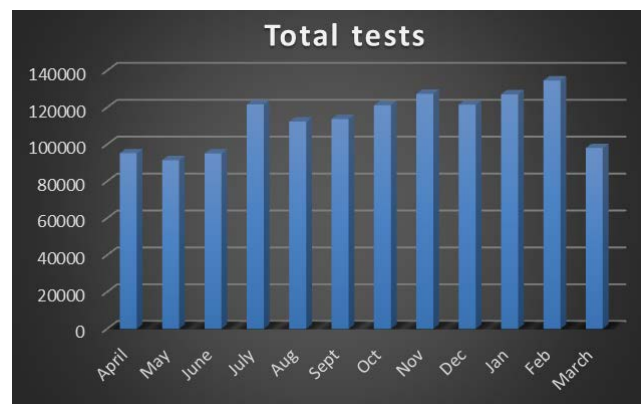
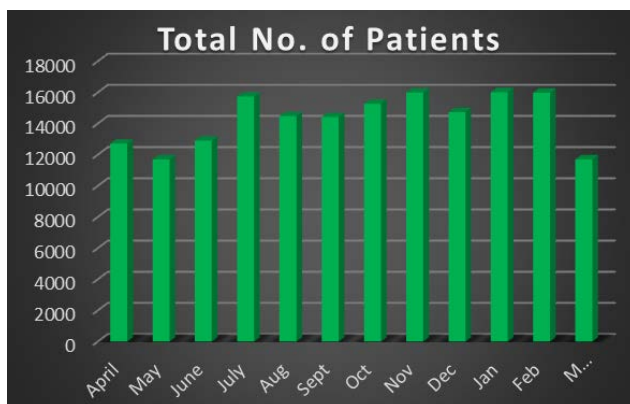
During 2019-2020, this department utilized the cell culture and molecular biology laboratory for postgraduate training and research activities. In addition to the regular academic programs, the faculties are involved in guiding undergraduate students with ICMR-STC projects. The department has accepted students for projects from other government institutes of Odisha. Several intramural, extramural and collaborative research projects are currently on-going in the department.

SERVICES PROVIDED

The department provides 24 x 7 diagnostic supports. Laboratory investigations of serum biochemical and immunological parameters are the major mandate of this laboratory. All the automated instruments are linked to the hospital information system (HIS), allowing easy transfer of results. At present, the laboratory offers about fifty parameters routinely, with newer parameters being introduced on a regular on-demand basis, as per request from the attending physicians. The laboratory is growing out of its formative stages; in last year the laboratory performed investigations of around 15,000 samples/ month and 100,000 investigations/ month.

EDUCATION

The department of Biochemistry is involved in teaching programs for undergraduate (MBBS, BSc nursing and paramedical students) and postgraduate students (MD in Biochemistry) 4 candidates per year. Currently, there are 9 MD candidates, with a scheduled 36 months course. PhD program has been initiated this year, with 1 regular PhD candidate and 2 part-time PhD candidates.



CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Manaswini Mangaraj

1. Attended Diabetes Asia Conference 2019 conducted by The National Diabetes Institute (NADI) at Hotel Istana, Kuala Lumpur, Malaysia from 10th to 13th October 2019 and presented a free paper on Insulin Resistance in overweight/ obese school-going children with and without Metabolic Syndrome.

Dr. R Balamurugan

1. Attended and co-organized a workshop on Effective Medical Literature Search, Institute Research Cell, AIIMS, Bhubaneswar on 27th April 2019.

- Invited as a speaker at International clinical research ethics workshop at KIMS, Bhubaneswar on 15th and 16th November 2019.
- Attended and co-organized the Medical Education Conference (MECON-2020) AIIMS Bhubaneswar from 23rd to 25th January 2020.
- Attended the 10th India Probiotic Symposium, New Delhi conducted by Gut Microbiota and Probiotic Science Foundation (India) from 29th Feb to 1st March 2019.

Dr. Suchanda Sahu

- Attended workshop on Effective Medical Literature Search, Institute Research Cell, AIIMS, Bhubaneswar on 27th April 2019
- Attended workshop on Introduction to Electronic Health Record (EHR) Standards, AIIMS, Bhubaneswar on 21st August 2019
- Attended Hands-on Workshop and training on Molecular testing for genetic disorders, Center for DNA Finger Printing and Diagnostics, Hyderabad from 11th to 15th November 2019.
- Attended the 3rd JIPMER Research, Leadership and Mentoring Programme (JRLMP) Phase 1, from 25th to 29th November 2019, held at Department of Biostatistics, JIPMER, Pondicherry
- Attended workshop on 'Plasma Dyscrasia', Department of Biochemistry, Dayanand Medical College, Ludhiana on 12th December 2019
- Attended the 27th Annual conference of Association of Medical Biochemists of India (AMBI) 2019, Dayanand Medical College, Ludhiana from 13th to 15th December 2019. Delivered a lecture titled 'Association of Iodine status in Autoimmune and Non-Autoimmune thyroid disease.'
- Attended Medical Education workshop and Conference- MECON 2020, AIIMS, Bhubaneswar from 23rd to 25th January 2020. Presented a poster titled 'Play or Pause'
- Attended the 43rd JIPMER Research, Leadership and Mentoring Programme (JRLMP) Phase 2, in the Department of Biostatistics, JIPMER, Pondicherry from 10th to 14th February 2020

Dr. Debapriya Bandyopadhyay

- Presented a poster on "Internship Exit OSCE the AIIMS Bhubaneswar experience" at the Medical Education conference MEDUCON2019 at JIPMER Puducherry, held between 13th-15th September 2019.
- Presented a paper on "Effect of Tulsi (*Ocimum sanctum* Linn.) supplementation on metabolic parameters and liver enzymes in young overweight and obese subjects" at the 15th Asian-Pacific Federation of Clinical Biochemistry Congress at Jaipur, 18th-20th November 2019.

Dr. Suchitra Kumari

- Participated in the workshop on "Effective medical literature search" organized by Institute Research Committee on 27th April 2019 at AIIMS, Bhubaneswar.
- Attended Asian Pacific Congress of Clinical Biochemistry and Laboratory Medicine held at Jaipur from 17th November to 20th November 2019. Presented a Scientific talk on "Serum cortisol and thyroid profile in euosmolar hyponatremia".

Dr. Gautom Kumar Saharia

- Attended the Immunology Update-Symposium and participated in the Workshop on Transplant & Cancer Immunology from 29-30th April 2019 at PGIMER, Chandigarh.
- Attended the 15th Asia Pacific Federation for Clinical Biochemistry & Laboratory Medicine (APFCB) Congress 2019 from 17th - 20th November 2019 at Jaipur, India and presented a poster titled Evaluation of Serum Ferritin Concentration in Hypothyroidism and Relation with Anti-Thyroid Peroxidase Antibody titer.

RESEARCH

Non-Funded Projects

Ongoing

- Title of the project To assess the gap in undergraduate Biochemistry theory taught and its usefulness in practice of medicine.
Name of the Principal Investigator: Dr. Suchanda Sahu
Duration - 1 year
Start year 2019
IEC approval number T/IMNF/ Biochem/18/19

6. Title of the project. Study to assess the presence of heavy metals in urine and hair of patients of attention deficit hyperactivity disorder at a tertiary care hospital in eastern India
Name of the Principal Investigator: Dr. Suchanda Sahu
Guide for MD Dissertation of Dr. Saurav Naik
Funding agency ICMR, Funds INR 50,000
Duration two years Start year Aug 2019
Guide for MD Dissertation of Dr. Saurav Nayak
Selected for "ICMR-financial assistance to MD/MS/DM/MCH/MDS thesis" (31st December 2019 batch) for ICMR Grant
IEC approval number IEC/ AIIMS BBSR/ PG Thesis/ 19- 20/ 01
7. Title of the project "Efficiency of Curcumin on reduction of immunosuppressive states of peripheral lymphocytes in oral squamous cell cancer patients"
Name of the Principal Investigator: Dr Prakruti Dash
Name of funding agency AIIMS, BBSR Funds INR 3,35,000
Duration 1 year. Start year- 2019
IEC No. T/IM-NF/Biochem/18/48.
8. Title of the project Association of MMP 7 Promoter site single nucleotide polymorphism (181A/G) with clinical stages of Epithelial Ovarian cancer in coastal Odisha.
Name of the Principal Investigator: Dr Suchitra Kumari
Guide for MD Dissertation of Dr. Anudeep PP
Selected for "ICMR-financial assistance to MD/MS/DM/MCH/MDS thesis" (31st December 2019 batch) for ICMR Grant.
Funding agency ICMR Funds INR 50,000
Duration two years Start year Aug 2019
IEC approval number IEC/AIIMS BBSR/PG THESIS/2019-20/18.
9. Title of the project Developing a biomarker-based prediction tool using artificial intelligence algorithm for detecting Epithelial Ovarian Cancer among patients presenting with ovarian mass.
Name of the Principal Investigator: Dr Suchitra Kumari
Funding agency DST, Govt of Odisha Funds INR 9,91,000
Duration 3 years Start year 2019
IEC approval number T/EMF /Biochem/18/37.
10. Title of the project Correlation of Lysyl Oxidase Gene Polymorphism with tumour staging in ovarian cancer and its association with Lysyl oxidase protein- a Hospital based Study.
Name of the Principal Investigator: Dr Suchitra Kumari
Funding agency AIIMS, BBSR Duration 1 year
Start year 2018 Funds INR1,95,000
IEC approval number T/IM- F /17-18/1.
11. Title of the project Flowcytometry based assay of platelet activation markers among type 2 diabetes mellitus subjects with and without depression.
Name of the Principal Investigator: Dr. Gautom Kumar Saharia
Guide for MD Dissertation of Dr. Shyamkrishnan. R
Funding agency ICMR Funds INR 50,000
Duration two years Start year Aug 2019
Selected for "ICMR-financial assistance to MD/MS/DM/MCH/MDS thesis" (31st December 2019 batch) for ICMR Grant.
IEC approval number IEC/AIIMS BBSR/PG Thesis/2019-20/19.
12. Title of the project Status of micronutrients in ART naïve HIV positive adults and its relation to their CD4 and CD8 T cell population.
Name of the Principal Investigator: Dr. Gautom Kumar Saharia
Funding agency AIIMS, BBSR Funds INR 3,19,676
Duration one year Start year Nov 2018
IEC approval number T/IMF/18-19/07

Completed**Non funded Projects**

1. Title of the project "Evaluation of serum vitamin B12 and its correlation with CD4 count and clinico-biochemical variables in treatment naïve HIV positive patients."
Name of the Principal Investigator: Dr Manaswini Mangaraj.
MD dissertation of Dr Kavitha K.

- Duration 3 years Start year 2018
IEC approval number IEC/AIIMSBBBSR/PG Thesis/ 2018-19/14.
- Title of the project A pilot study evaluating serum retinol in subjects with type 2 Diabetes mellitus, pre diabetes and non-diabetes, attending out-patients department at AIIMS Bhubaneswar.
Name of the Principal Investigator: Dr. Debapriya Bandyopadhyay.
MD Biochemistry thesis of Dr Cecilia Xavier Jyothi.
Duration 3 years Start year 2018
IEC approval number IEC/AIIMSBBBSR/PG Thesis/ 2018-19/10.
 - Title of the project Nanocurcumin in oral squamous cancer cells and its efficacy as a chemo-adjuvant
Name of the Principal Investigator: Dr. Prakruti Dash.
MD Biochemistry dissertation of Dr Diptashree Mukherjee
Duration 3 years Start year 2018
IEC approval number IEC/AIIMSBBBSR/PG Thesis/ 2018-19/15.
 - Title of the project Evaluation of Apo A IV and haptoglobin as potential CSF markers in patients with Guillain Barre syndrome.
Name of the Principal Investigator: Dr. Gautom Kumar Saharia.
Duration one year Start year Jan 2019.
IEC approval number T/IM-NF/Biochem/18/32

PUBLICATIONS

- Das RR, Mangaraj M, Panigrahi SK, Satpathy AK, Mahapatro S and Ray PS (2020) Metabolic Syndrome and Insulin Resistance in Schoolchildren from a Developing Country. *Front. Nutr.* 7 31. PMID 32296710.
- Sasidharan BK, Ramadass B, Viswanathan PN, Samuel P, Gowri M, Pugazhendhi S, Ramakrishna BS. A phase 2 randomized controlled trial of oral resistant starch supplements in the prevention of acute radiation proctitis in patients treated for cervical cancer. *J Cancer Res Ther.* 2019 Oct-Dec;15(6)1383-1391. PMID 31898677.
- Balamurugan R, Pugazhendhi S, Balachander GM, Dharmalingam T, Mortimer EK, Gopalsamy GL, Woodman RJ, Meng R, Alpers DH, Manary M, Binder HJ, Brown IL, Young GP, Ramakrishna BS. Effect of Native and Acetylated Dietary Resistant Starches on Intestinal Fermentative Capacity of Normal and Stunted Children in Southern India. *Int J Environ Res Public Health.* 2019 15th Oct;16(20). pii E3922. PMID 31618992.
- Giriprasad V, Mechenro J, Balamurugan R, Ramakrishna BS. Frequency of HLA celiac disease risk alleles and haplotypes in healthy adults in Tamil Nadu. *Indian J Gastroenterol.* 2019 Apr;38(2)178-182. PMID 31025255.
- Rao PB, Mandal I, Tripathy S, Bandyopadhyay D, Tripathy S, Singh N, Panda A. Preventive Epidural Analgesia in Bilateral Single-Stage Knee Arthroplasty A Randomized Controlled Trial. *Pain Ther.* 2020; 9(1)241-248. PMID 31900815.
- Raghuwanshi B, Kumari S, Sahoo DP. Clinical and metabolic complications in patients with Thalassemia undergoing transfusion therapy. *J Family Med Prim Care* 2020; 9973-7. PMID 3231845.
- Sankaran S, Saharia GK, Naik S, Mangaraj M. Effect of iodinated contrast media on serum electrolyte concentrations in patients undergoing routine contrast computed tomography scan procedure. *Int J App Basic Med Res* 2019; 9(4)217-220. PMID 31681546.

AWARDS, HONORS & SIGNIFICANT EVENTS

- Dr Manaswini Mangaraj was the Subject Expert in Selection Committee for recruitment against faculty posts in AIIMS, Raipur on 07.01.2020.
- Dr Manaswini Mangaraj was an expert member for project review committee meeting held on 13th Feb and 28-29th Feb 2020 respectively at ICMR Head Quarters, New Delhi.
- Dr R Balamurugan organized TEDx (Technology, Entertainment, Design) AIIMS Bhubaneswar on 17th Aug 2019.
- Dr R Balamurugan is an invited external member at Institutional Biosafety Committee (IBSC) at Indian Institute of Technology Bhubaneswar from 20th Mar 2020.
- Dr Debapriya Bandyopadhyay is the Institute Nodal Officer for All India Survey of Higher Education (AISHE) under the Ministry of Human Resource Development (MoHRD), Govt of India since 2013.
- Dr Suchitra Kumari conducted a CME on "Current trends in Cancer Proteomics" as Organizing Secretary for Members of Association of Medical Biochemists of India (AMBI), Odisha chapter on 7th Sept 2019 at AIIMS Bhubaneswar.
- Dr Suchitra Kumari organized "Hands-on Workshop on Western Blotting technique" as Organizing Secretary for MD/ PhD students on 9th Sept 2019 at AIIMS Bhubaneswar.
- Dr Suchitra Kumari organized a State level Post graduate Medi-Quiz for MD students as Organizing Secretary, on 9th Sep 2019 at AIIMS Bhubaneswar, Odisha.



BURNS &
PLASTIC SURGERY

BURN & PLASTIC SURGERY

FACULTY

Dr. Sunil Kumar Rout
Associate Professor & Head (incharge)

Dr. Sanjay Kumar Giri
Associate Professor

HIGHLIGHTS

The department of Burn & Plastic Surgery started functioning from 22/08/2016. Since then, the department is actively involved in patient care services, teaching MBBS, B Sc Nursing, MS (General Surgery) students of this institute. The MCh course started in July 2018, and two students are currently undergoing training in the subject. The faculties of the department have started performing advanced surgical procedures (microvascular reconstruction, Brachial Plexus reconstruction, craniofacial surgery) successfully, which can be considered the hallmark of any established plastic surgery unit. Establishment of a Minor OT in the OPD complex contributed immensely to the number of surgical procedures being performed by this speciality. The department has signed MOU with two external agencies National Thermal Power Corporation (NTPC) & Smile Train, to avail financial support for treatment of Burn patients and cleft lip & Palate patients respectively. The department is also involved in various research activities in the form of individual research projects as well as Dissertations. On 19th November 2019, a dedicated ward with 28 beds of Plastic Surgery was inaugurated by honourable Director Madam, and the department got its independent ward for better patient care.

EDUCATION

The department is involved in teaching MBBS, MS (General Surgery), MCh (Plastic & Reconstructive Surgery), BSc Nursing, BSc (OT and AT) students at present.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Sunil Kumar Rout

1. Attended "Breast Cancer Updates 2019" on 27th July 2019, Bhubaneswar and chaired a scientific session on Breast Reconstruction.
2. Attended NABI (National Academy Of Burns India) midterm CME from 3rd to 4th August 2019, AIIMS Jodhpur as a Faculty and presented on "Electric Burns & Paediatric Burn".
3. Attended ISSHCON (National meeting of Indian Society of Surgeons for Hand) 2019 from 13th to 15th September 2019, Puri as a Faculty and presented on "Zancolli Lasso procedure for claw hands".
4. Attended 3rd ASOMACON (Asian Society of Mastology) from 15th - 17th November 2019, AIIMS Bhubaneswar as Faculty & organising scientific committee member.
5. Attended 2nd Indo-Oncology Summit from 15th to 17th November, Bhubaneswar as organising co-Chairman and Faculty (Panelist in panel discussion on "Head & Neck Reconstruction").
6. Attended APSICON (National meeting of Association of Plastic Surgeons of India) 2019 from 11th to 15th December 2019, Bhubaneswar as organising co-chairman Scientific committee & presented papers on "Breast Augmentation in Transgenders", " Current concepts in facial fracture management" & "Further training after residency, International & National – options & logistics".
7. Attended ASICON (National meeting of Association of Surgeons of India) 2019 Bhubaneswar from 18th to 21st December, as invited faculty & participated as a panellist in a panel discussion on "Complications of Parotidectomy & its management".
8. Attended MECON (Medical Education Conference) 2020 from 23rd to 25th January 2020 at AIIMS, Bhubaneswar (Organised by MEU) as a delegate.
9. Attended APRASOCON (State chapter of Association of Plastic Surgeons of India) 2020 from 1st to 2nd February 2020 at Barkul, Khordha.

Dr. Sanjay Kumar Giri

1. Attended as chairperson in minimal invasive surgery workshop and training from 12th to 14th April 2019 organised by Dept of Surgery AIIMS, Bhubaneswar.
2. Attended workshop on effective medical literature search organised by institute research committee on 27th April 2019 at AIIMS, Bhubaneswar.
3. Attended Ganga hand operative workshop from 30th May to 1st June 2019 at Coimbatore from 24th to 28th June 2019.
4. Attended ISSH (Indian Society of Surgeons for Hand) inland fellowship of 3 weeks in Coimbatore from 29th May to 12th June, and from 23rd to 30th June 2019 by Indian Society of hand surgery.

5. Attended as Guest faculty for midterm CME of NABI (National Academy Of Burns India) in Jodhpur from 03rd to 05th August 2019 presented a paper on "Chemical Burn Injuries".
6. Attended workshop on introduction to EHR Standards at AIIMS Bhubaneswar Odisha on 21st August 2019.
7. Participated as joint organizing secretary of APSICON (National meeting of Association of Plastic Surgeons of India) 2019 & presented on "Calvarial bone graft in Rhinoplasty" from 10th to 15th December 2019.
8. Participated as Joint organizing secretary and presented a paper on Lymphoedema in 79th ASICON (National meeting of Association of Surgeons of India) 2019 from 18th to 21st December held at Bhubaneswar.
9. Attended as chief coordinator and treasurer of 43rd ISSHCON (National meeting of Indian Society of Surgeons for Hand) 2019 at Puri, Odisha from 12th to 15th September 19 and got inland fellowship of ISSH (Indian Society of Surgeons for Hand).
10. Attended Quality and Safety in Health Care at AIIMS Bhubaneswar on 9th November 19.
11. Attended 3rd ASOMACON (Meeting of Asian Society of Mastology) as faculty from 15th to 17th November 19 at AIIMS, Bhubaneswar.
12. Attended Medical Education Conference from 23rd to 25th January of 2020 organised by MEU, AIIMS, Bhubaneswar.
13. Attended 7th APRASOCON (State chapter of Association of Plastic Surgeons of India) 2020 from 1st to 2nd February 2020 at Chilika, Odisha.
14. Attended APFSSH (Asia Pacific Federation of Societies for Surgery of the Hand) from 11th March to 14th March 2020 and presented a poster on "Epidemiology and management of Hand injuries during tropical supercyclone FANI in tertiary care centre" at Melbourne, Australia.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: "Comparison of effect of Autologous Platelet rich Plasma (APRP), Collagen dressing, Calcium Alginate Dressing V/S Normal Dressing in wound Healing of split thickness Skin Graft (STSG) donor sites".
Name of the principal investigator: Dr. Sanjay Kumar Giri
Funding agency: AIIMS, Bhubaneswar
Duration: 2 years
Start year: 2018 - 19
Funds: Rs.3.54 Lakhs
IEC approval number: T/IM-F/17-18/53

Completed: No

Non-Funded Projects :

Departmental:

Ongoing:

1. Title of the project: Gynaecomastia: Aetiopathogenesis and management with conventional liposuction Vs cross chest liposuction with sub-areolar excision.
Name of the principal investigator: Dr. Sunil Kumar Rout
Funding agency: NA
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/34

Completed: No

2. Title of the project : Epidemiology and management of acute hand injuries
Name of the principal investigator : Dr Sanjay Kumar Giri
Funding agency: NA
Duration : 2 Years,
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/64
3. Title of the project : Choice of Intra operative IV fluid in pediatric patients.
Name of the principal investigator : Dr Sunil Kumar Rout
Funding agency: NA

Duration : 2 Years,
 Start year: 2020
 Funds: NA
 IEC approval number: T/IM-NF/ Plastic.surg/19/54
 Collaborative projects: None

PATIENT CARE / HOSPITAL SERVICES

The department provides OPD services (4 days/week), minor OT and major OT (5 days /week) services. There are 28 Beds for plastic surgery department. The department is actively involved in emergency services for patients coming to casualty other than regular departmental procedures.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr Sanjay Kumar Giri

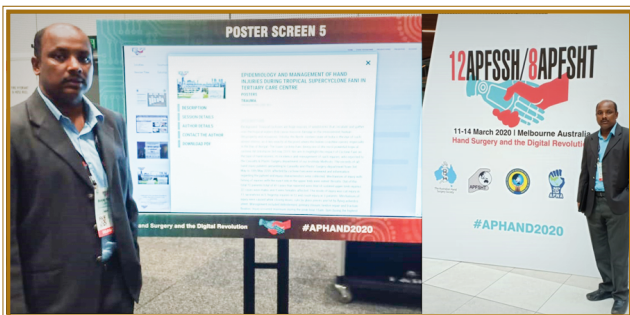
1. Received the Indian Society of Hand surgery Fellowship award on 13th September ISSHCON 2019 held at Puri.



Dr Sanjay Kumar Giri got the Indian Society of Hand surgery Fellowship award on 13th September ISSHCON 2019 held at Puri.



Inauguration of J+5 (Plastic Surgery Ward) on 19th November 2019.



Poster presentation "Epidemiology and Management of Hand injuries during tropical Super cyclone FANI in tertiary care center AIIMS Bhubaneswar" in Melbourne Australia on 13th March 2020.



Ongoing Burn unit Construction funded by NTPC.



CARDIOTHORACIC
SURGERY

CARDIOTHORACIC SURGERY

FACULTY

Dr Satyapriya Mohanty
Associate Professor, HOD (Incharge)

Dr Siddhartha Sathia
Associate Professor

Dr Rudra Pratap Mahapatra
Assistant Professor

HIGHLIGHTS

The cardiothoracic department became functional in January 2018, and it started with three faculties. The department provided regular OPD services and started the open heart surgery using cardiopulmonary bypass. The department developed its own independent units of preoperative ward & intensive care unit equipped with all the latest instruments and equipment. The department provides teaching and training to MBBS students, postgraduate students of general surgery stream, MSc CTVS Nursing students, DM (Cardiology) and MCh (CTVS) students. The department regularly conducts seminars and interdepartmental meetings in collaboration with the department of cardiology, cardiac anaesthesia, radiology, and surgical anatomy. The department is supporting the department of cardiology in an ongoing pilot research project of heart failure. The department started emergency operative services and was instrumental in saving vital lives of patients coming to trauma and emergency department.

EDUCATION

The department provides training to the postgraduate surgery students posted on a rotation basis to various super speciality departments. Regular teaching and training of MSc CTVS nursing student and MCh (CTVS) students are provided as per the course curriculum of AIIMS Bhubaneswar.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

1. Dr Siddhartha Sathia attended the annual conference of the Indian Association of Cardiothoracic Surgeons on 08-02-2020 at Ahmedabad (Gujarat)
2. Dr Satya Priya Mohanty was invited as a Speaker in "Wound Care CME" in AIIMS Bhubaneswar in 2019.
3. Dr Satya Priya Mohanty was invited as a Certificate TEE Speaker in AIIMS Bhubaneswar in 2019.
4. Dr Rudra Pratap Mahapatra has attended the annual conference of the Indian Association of Cardiothoracic Surgeons from 6th February to 9th February 2020 at Ahmedabad (Gujarat).

PUBLICATIONS

1. Mahanta D, Mahapatra R, Barik R, Singh J, Sathia S, Mohanty S. Surgical repair of postcatheterization radial artery pseudoaneurysm. Clin Case Rep. 2020 Feb;8(2):355-8. PMID: 32128188
2. Misra S, Mohanty S, Sathia S, Mahapatra RP. Isolated double-chambered right ventricle in an adult patient: intraoperative imaging with three-dimensional transoesophageal echocardiography. Eur Heart J Case Rep. 2020 Feb 19;4(2):1-2. PMID:32352056

PATIENT CARE / HOSPITAL SERVICES

The department provides cardiac surgical emergency services apart from the regular OPD and IPD services. The department had provided service to 4267 OPD patients, 337 Inpatients, operated 135 Cardiac and Lung surgeries from April 2019 to March 2020 and managed them in ICU. The intensive care unit of CTVS department is well equipped with a specially designed cardiac bed, cardiac monitors, arterial blood gas (ABG) analysis machine, activated coagulation time (ACT) machine, cardiac defibrillators, patient body warmer, deep venous thrombosis pumps and infusion pumps.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr Siddhartha Sathia was awarded Fellowship in ECMO by "The Simulation Society and International Society of Cardiovascular Ultrasound", New Delhi in September 2020.
2. Dr Rudra Pratap Mahapatra was awarded Fellowship in ECMO by "The Simulation Society and International Society of Cardiovascular Ultrasound", New Delhi, in September 2020.



CARDIOLOGY

CARDIOLOGY

FACULTY

Dr Ramachandra Barik
Associate Professor

Dr Dibya Ranjan Behera
Assistant Proessor [Contractual]

Dr Debasish Das
Associate Professor

Dr Debasis Acharya
Assistant Professor [Contractual]

HIGHLIGHTS

The department has already started DM course in cardiology, and every year 2 candidates are joining. Till the financial year 2019-20, five candidates have joined for the course. One extramural funded project sponsored by the Indian Council of Medical Research (ICMR) / National Centre for Diseases Informatics and Research (NCDIR) started in 2018. Cardiac catheterization laboratory started functioning from Sept 2020 in addition to cath procedures/interventions using the digital subtraction angiography lab (DSA Lab) in the Department of Radiology from 2016. Electrophysiology study and radiofrequency ablation procedure were started since 2019. The department has been assigned space for Coronary care unit and cardiology ward. The department is equipped with 3D echo machine, Holter and 2 TMT machines.

EDUCATION

The department has five DM student till the financial year 2019-20. The department regularly conducts integrated seminars with the departments of CTVS, anaesthesia, radiology, anatomy and pulmonary medicines. The teaching for the postgraduate students of medicine, undergraduate students, M.Sc. and B.Sc. nursing students are regularly conducted by the department.

CONFERENCES / CME / WORKSHOP ATTENDED & LECTURE DELIVERED / PAPER PRESENTED

- Two DM cardiology students (Dr Dibyasundar Mahanta and Dr Jogendra Singh) attended a national level seminar on the core curriculum of Paediatric cardiology conducted by Paediatric Cardiology society of India which was held on 2nd to 4th August 2019.

RESEARCH

Funded Projects:

On-going:

- Title of the project : "A Study on the Magnitude and the Patten of Causes of Heart Failure - a feasibility study"
Name of the Principal Investigator : Dr Rama Chandra Barik
Funding agency : National Centre for Disease Informatics and Research(NCDIR)
Duration: 02 Years, start year: 2018, Funds: Rs.32,00000
IEC approval number: T/EMF/Cardio/18/07.

Departmental:

Ongoing:

- Title of the project : A randomized controlled study to compare routine transradial access to distal transradial access to look after patency rate at the end of first month follow up.
Name of the Principal Investigator : Dr Ramachandra Barik
Funding Agency : Intramural Non-funded.
IEC approval number : IEC/AIIMS BBSR/ PG Thesis/2018-19/49
- Title of the project : Comparing Sacubitril / Valsartan vs Ramipril in acute myocardial infarction
Name of the Principal Investigator : Dr Ramachandra Barik
Funding Agency : Non-funded
IEC approval number : IEC/AIIMS BBSR/PG Thesis/2019-20/70

PUBLICATIONS

- Mahanta D, Mahapatra R, Barik R, Singh J, Sathia S, Mohanty S. Surgical repair of postcatheterization radial artery pseudoaneurysm. Clinical case reports. 2020 Feb;8(2):355-8. PMID: PMC7044404

PATIENT CARE / HOSPITAL SERVICES

The department is regularly doing ECHO, ECG, TMT, HOLTER monitoring for the outpatient department. Cardiac intervention in coronary, structural and electrophysiology divisions are provided by the faculties along with emergency and critical care (ICCU).

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr Debasis Das completed a fellowship in the electrophysiology from Sree Chitra Tirunal Institute for Medical Sciences and Technology (SCTIMST) from 1st January 2019 to 5th January 2020.
2. The department conducted a Cardiology–Cardiothoracic CME on Role of Surgery in cases Congenital Heart Disease with pulmonary arterial hypertension on 22nd March 2019. The Speaker was Dr. Smruti Rajan Mohanty, consultant, paediatric cardiovascular surgery, Kokilaben Dhirubhai Ambani Hospital & Medical Research Institute.
3. Dr. Ramachandra Barik received Sentinel award on 17-09-2019 from Web of Science Group, Clarivate Analysis Company for a prominent role as reviewer/editorial board member to various nationals and international journals.



COLLEGE OF NURSING

COLLEGE OF NURSING

FACULTY

Dr. Asha P Shetty Professor cum Principal	Mr. Sam Jose Tutor / Clinical Instructor	Ms. Indumathi Tutor / Clinical Instructor
Dr. Renju Sussan Baby Associate Professor	Mr. Vijay VR Tutor / Clinical Instructor	Mr. Rakesh VR Tutor / Clinical Instructor
Mr. L Anand Associate Professor	Ms. Mamata Das Tutor / Clinical Instructor	Ms. Priyadarshini Tutor / Clinical Instructor
Mrs. Mariamma V George Associate Professor	Ms. Sujata Mohapatra Tutor / Clinical Instructor	Ms. Suchismita Sahoo Tutor / Clinical Instructor
Dr. Smitha MV Associate Professor	Ms. Manjula Kumari Nayak Tutor / Clinical Instructor	Mr. Jahir Hussain Tutor / Clinical Instructor
Ms. Dharitri Swain Assistant Professor	Mr. Jaison Jacob Tutor / Clinical Instructor	Mr. Shine Stephen Tutor / Clinical Instructor
Mr. Nandakumar Paniyadi Assistant Professor	Ms. N.Sadana Priyadarshini Tutor / Clinical Instructor	Mr. Azhar SM Tutor / Clinical Instructor
Ms. Shyama Devi Assistant Professor	Ms. A Serma Subathra Tutor / Clinical Instructor	Ms. Kalaivani H Tutor / Clinical Instructor
Ms. Hepsi Bai Assistant Professor	Mrs. Harpreet Kaur Tutor / Clinical Instructor	Ms. Malini Digal Tutor / Clinical Instructor
Ms. Nadiya Krishnan Assistant Professor	Mr. Anoop S Nair Tutor / Clinical Instructor	Ms. Rekha Parida Tutor / Clinical Instructor
Ms. Geetarani Nayak Assistant Professor	Mr. Aruna Kumar Kasturi Tutor / Clinical Instructor	Mr. Karthick M Tutor / Clinical Instructor
Mr. Mahalingam Assistant Professor	Ms. Sandhiya K Tutor / Clinical Instructor	Ms. Rashmita Tigga Tutor / Clinical Instructor
Mr. Alwin Issac Tutor / Clinical Instructor	Ms. Sasmita Panigrahi Tutor / Clinical Instructor	Ms. Bhanuprava Mallick Tutor / Clinical Instructor

HIGHLIGHTS

College of Nursing AIIMS Bhubaneswar stepped into the seventh year successfully. The College offers both undergraduate (B.Sc. Hons. Nursing) and postgraduate (M.Sc. nursing) nursing programs. The postgraduate program was formally started on 1st August 2018 and the second batch of postgraduate students joined in 2019. Faculty & students are actively involved in hospital & community by providing direct patient care, patient and family education and counselling services for various groups of patients. The faculty were actively engaged in the induction training program for newly appointed nursing officers. Several intramural research projects are being initiated by the faculty and also approved by institute research cell for their research activity.

EDUCATION

To acquire students clinical skill they were posted in various wards of hospital at AIIMS Bhubaneswar and rural and urban areas of the community. Both summative and formative evaluation becomes part of the assessment, and annual examinations are held in the month of June-July. CON, AIIMS BBSR executed curriculum revision plan for the undergraduate nursing programme; in this regard, they have conducted meetings and discussions with various departments at AIIMS BBSR. Mass health education programme, school health programme, observance of health awareness day and CNE are conducted.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/PAPER PRESENTED**Dr. Asha P Shetty**

1. Attended meeting at New Delhi on 1st April 2019 regarding "nursing issues" Organized by NITI AAYOG.
2. Organized two-day workshop on "An update on infusion Nursing" on 9th and 10th April 2019 at College of Nursing for Nursing officers of AIIMS Bhubaneswar.
3. Presented a paper on "Placement Process at AIIMS" at International webinar on Nursing Pathfinder-inspiring career dream destination organized by Symbiosis College of Nursing. Symbiosis International University on 11/04/2019
4. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019.
5. Presented a topic as a resource person on "Translating research outcomes into innovative nursing practice" and moderated session as a chairperson and was the judge for the poster competition at international health research convention on 19th July 2019 at Sri Balaji Vidyapeeth Deemed to be University, Pondicherry.
6. Attended round table meeting on "Promulgation of emergency nursing in India" on 2nd August 2019 at AIIMS New Delhi.
7. Was a resource person for a CNE on "emerging trends in strengthening maternal and child health" Organized by Kalinga Institute of Nursing Sciences (KINS) KIIT Deemed to be University on 7th August 2019 by the department of obstetrics and Gynecology and child health nursing on the eve of world breastfeeding week. Topic presented: Challenges for management of paediatric emergency: nursing perspective.
8. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by the College of Nursing AIIMS Bhubaneswar at the mini auditorium.
9. Organized and attended IAP BLS course at College of nursing AIIMS Bhubaneswar on 22.09.2019 and was selected as a potential trainer and underwent TOT for the same at SCB Cuttack.
10. Organized National Neonatal Forum (NNF) quiz on 2nd October 2019, for Eastern Zone at College of Nursing AIIMS Bhubaneswar in collaboration with Department of Neonatology.
11. Organized CNE and other activities on account of "Hospice and Palliative care day" on 21st October 2019 at CON, AIIMS Bhubaneswar.
12. Organized various activities and CNE, in collaboration with the Department of Neurology on account of "STROKE DAY" on 29/10/2019.
13. Attended "systematic review and meta-analysis" workshop at Manipal from 4th November to 6th November 2019 Organized by Manipal college of nursing MAHE, Manipal.
14. Organized "Neonatal resuscitation workshop" in collaboration with Department of Neonatology and College of Nursing on 13th & 14th November 2019 on account of the newborn week.
15. Attended "International workshop on clinical research ethics" on 15th and 16th November 2019 at KIIT University Bhubaneswar in collaboration with NIH, USA, awarded 8 credit hours.
16. Organized workshop on "Lymphedema management" on 17/11/2019 at CON, AIIMS Bhubaneswar on account of 3rd annual conference of the Asian Society of Mastology, ASOMACON 2019, held from 15th to 17th November 2019, AIIMS Bhubaneswar.
17. Attended "XXVI National Conference of the Indian Association for social psychiatry" (NCIASP) Organized by the Department of psychiatry AIIMS Bhubaneswar from 29th November to 1st December 2019. CME 10 credit points.
18. Organized CNE on "Nursing knowledge and evidence generation" on 16th December 2019, at the mini auditorium, College of Nursing, AIIMS Bhubaneswar.
19. Chairperson for a session on "fetal growth retardation: an overview" on 17/12/2019, at SUM college of nursing, 6th SOMI State level conference on "Current breakthrough in field of maternal and child health" She also presented a scientific paper (oral) on "current breakthrough in field of maternal & child health" and a poster on "community empowerment – integrated management of pregnancy and child health" and "Janani Shishu Suraksha karyakram (JSSK)" in the conference.
20. Organized a workshop on the theme "emergency nurses never skip a beat", in trauma and emergency on 9th and 10th of January 2020 along with MSc nursing students at Mini-auditorium, College of Nursing, AIIMS Bhubaneswar.
21. Attended Board of studies meeting as a coopted member at Sum college of nursing Siksha "O" Anusandhan (Deemed to be University) Bhubaneswar on 18.01.2020
22. Attended meeting with Principals of other AIIMS and Principal St John's, CMC Vellore for discussion regarding center of excellence at AIIMS New Delhi on 4th January 2020 and on 22nd February 2020
23. Co-ordinated and Organized "Management of Substance abuse disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses from Odisha and AIIMS Bhubaneswar

24. Organized as a secretary the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th Feb 2020, AIIMS, Bhubaneswar. Was the chairperson for session on "simulation in neonatal nursing" on 10th February 2020 and presented a paper on "family integrated neonatal care" on 10th February 2020, during the conference. She was also panelist for "leadership in neonatal nursing – bridging the divide between education and practice" on 11th February 2020, during the national conference on Indian Association of Neonatal Nurses, held at AIIMS Bhubaneswar
25. Attended the International conference on preoperative nursing ICPN 2020 at AIIMS Jodhpur from 25th to 27th February 2020 and chaired a session on Human factors and legal issues in perioperative clinical practice She also presented the topic on "disaster preparedness in operating room" and participated in the preconference workshop on stoma management at AIIMS Jodhpur on 24th February 2020. She was the member of the panel for the panel discussion on "competency based nursing education: developing perioperative competencies" held on 27th February 2020 and was the Judge for the scientific paper presentation.

Dr Renju Sussan Baby

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
3. Attended IAP BLS course at College of nursing AIIMS Bhubaneswar on 22nd September 2019.
4. Attended CNE on "Management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
5. Organizing committee member and the treasurer in "XXVI National conference of the Indian Association for social psychiatry" (NCIASP) Organized by the Department of psychiatry AIIMS Bhubaneswar from 29th November to 1st December 2019.
6. Was the resource person for "Management of Substance abuse disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses from Odisha and AIIMS Bhubaneswar
7. Attended 8th Annual conference by Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020 at AIIMS, Bhubaneswar.

L Anand

1. Attended workshop on "Application of Biostatistics in clinical research" from 22nd April to 25th April 2019 at mini auditorium, organized by CON, AIIMS Bhubaneswar.
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
3. Attended IAP BLS programme (Trainer) organized by College of nursing, AIIMS held in the month of August, 2019.
4. Attended CNE on "Management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
5. Was a delegate in IANN Conference Organized by College of nursing, AIIMS held in the month of February, 2020.
6. Presented a paper on "An update on infusion nursing" at State level workshop Organized by College of Nursing, AIIMS, Bhubaneswar from 9th April to 10th April, 2019.
7. Presented a paper on "Lymphedema- workshop demonstration" at ASOMA CON Organized by Asian society of mastology, and AIIMS, Bhubaneswar from 15th to 17th November, 2019.
8. Presented a paper on "Surgical care bundles" at International conference on perioperative nursing Organized by AIIMS, Jodhpur from 25th February to 27th February, 2020.

Dr. Smitha M.V

1. Attended workshop on "Application of Biostatistics in clinical research" Organized from 22nd April to 25th April 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
2. Attended a CNE on "emerging trends in strengthening maternal and child health" organized by the department of obstetrics and Gynecology and child health nursing Kalinga Institute of Nursing Sciences (KINS) KIIT Deemed to be University on the eve of world breast feeding week Organized as a resource person on 7th August 2019 and presented: Trends and issues in midwifery education and practice .
3. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
4. Attended CNE on "Management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.

5. Attended workshop on “systematic review and meta-analysis Organized by NRSI and MGM College of Nursing from November 28th - 30th 2019, Mumbai. She presented a poster on Knowledge, attitude and practices regarding contraception among women of Odisha, and won second place for the same.
6. Presented posters on “Improving maternal and child health services at peripheral healthcare centers through innovative approaches and Screening and prevention of Intra uterine growth retardation, at 6th SOMI state conference, SUM Nursing College, on 17th December 2019, Bhubaneswar.
7. Attended a workshop on the theme “emergency nurses never skip a beat”, in trauma and emergency on 9th and 10th of January 2020 Organized by MSc nursing students at Mini-auditorium, College of Nursing, AIIMS Bhubaneswar
8. Resource person for “Management of Substance abuse disorder” workshop on 04/02/2020 for nurses from Odisha and AIIMS Bhubaneswar. Topic: Substance abuse in pregnancy: effects on fetus
9. Chaired a session on “Continuum of Preterm Care from Labor Room to Special Newborn Care Units” and panelist for “leadership in neonatal nursing – bridging the divide between education and practice” during the national conference on Indian Association of Neonatal Nurses, held at AIIMS Bhubaneswar from 9/02/2020 to 11/02/2020.
10. Resource person for the session; “Mother and child as a client in perioperative nursing”, panelist in “competency-based nursing education: developing perioperative competencies” and judged scientific paper presentations at ICPN 2020 from 25th to 27th February 2020 at AIIMS Jodhpur.

Mrs. Dharitri Swain

1. Chaired a session in national seminar on “complementary and alternative therapies in health care practices” Organized by SUM Nursing college, SOA University, Bhubaneswar, on 26th April 2019.
2. Organizing Secretary for workshop on “Application of biostatistics in clinical research “from 22nd April to 25th April 2019 at AIIMS, Bhubaneswar.
3. Chaired a session in 6th state level conference on “current breakthrough in field of maternal and child health” Organized by Society of midwives, India-Odisha Chapter at SUM Nursing college, SOA University, Bhubaneswar, 17th December 2019.
4. Attended the CNE on “Nurse led-heart failure management programme” Organized by College of nursing, AIIMS Bhubaneswar on 14th August 2019.
5. Resource person for 8th Annual conference Organized by Indian association of neonatal nurses (IANN) at AIIMS, Bhubaneswar on “Neonatal nurse: protect, support and save lives” from 09th-11th February 2020.

Mr. Nanda Kumar Paniyadi

1. Attended Application of Biostatistics in Clinical Research workshop from 22nd to 25th April 2019 at College of Nursing, AIIMS, Bhubaneswar.
2. Taught to trainees of Critical care case management at AIIMS, Bhubaneswar (May-July 2019 batch) supported by state NCD cell, National Health Mission etc.
3. Attended round table meeting on promulgation of Emergency Nursing in India on 2nd August 2019 at JPN Apex Trauma Centre, AIIMS, New Delhi.
4. Organized and participated as Resource person for the training Programme for Nurses on Management of Substance Use Disorders from 21st to 27th October 2019.
5. Attended 26th National conference of the Indian Association for Social Psychiatry (NCIASP) ON 29th November 2019 to 1st December 2019 at AIIMS, Bhubaneswar.
6. Organized and attended a workshop on Trauma and Emergency Nursing for the Nursing officers of AIIMS BBSR on 9th and 10th January 2020.
7. Organized and participated as Resource person for the Training Programme for Nurses on Management of Substance Use Disorders from 02/02/2020 to 08/02/2020.
8. Organized and attended preconference workshop and 8th Annual Conference of Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020.

Mrs. Shyama Devi

1. Attended workshop on Application of biostatistics in clinical research Organized on 22nd April to 5th April for duration of 20 hrs.
2. Attended workshop on lymphedema management on 17/11/2019 at CON AIIMS Bhubaneswar on account of 3rd annual conference of the Asian Society of Mastology, ASOMACON, 2019 held from 15th to 17th November, AIIMS Bhubaneswar

3. Attended CNE on Nursing knowledge and evidence generation on 16th December, 2019 at mini auditorium, College of nursing, AIIMS Bhubaneswar
4. Attended and presented concept poster paper on challenges of community midwife and ways to overcome in the 6th SOMI state level conference on current breakthrough in field of maternal and child health at SUM college of Nursing, Bhubaneswar on 17th December, 2019
5. Attended workshop on emergency nurses never skip a beat, in trauma and emergency on 9th and 10th January, Organized by M.Sc nursing students AIIMS Bhubaneswar.
6. Attended IAP BLS course on 3rd December, 2019 at College of nursing AIIMS Bhubaneswar and selected as potential trainer.
7. Attended and presented a poster as co author in 38th Annual conference of Indian Association of preventive and social medicine (Odisha state branch) from 11th to 12th January 2020 Organized by department of CMFM, AIIMS Bhubaneswar
8. Attended 8th annual conference IANN from 9th-11th February, 2020 Organized by College of nursing, AIIMS Bhubaneswar, co-ordinated a pre-conference workshop on care of babies born too soon too small and presented a session on homebased care, follow up and growth monitoring.

Ms. Hepsi Bai J

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
2. Attended the workshop on "An update on Infusion Nursing" as Resource person – "Drug and fluid calculation" Organized by College of Nursing AIIMS Bhubaneswar on 9/04/2019 & 10/04/2019
3. Attended training of Nursing faculties on "Updated National Nutritional Programmes and strategies" Organized by UNICEF and Directorate of nursing, Odisha from 24th June to 25th 2019 at Bhubaneswar.
4. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by College of Nursing, AIIMS Bhubaneswar at mini auditorium.
5. Completed IAP Basic Life Support course (provider level) conducted in AIIMS, BBSR on 22/09/2019.
6. Attended CNE on "Management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
7. Attended National Symposium on qualitative Research methods conducted by College of Nursing, CMC, Vellore on 21/11/2019 and 22/11/2019. Presented scientific paper on "Job satisfaction among nurses".
8. Presentation poster on "Maternal and child health breakthrough by policy and program: Are you Aware?", and Scientific paper on; Maternal stress and coping among mothers of neonate admitted in NICU at 6th SOMI state conference, SOM Nursing College, 17th December 2019, Bhubaneswar and won best concept poster presentation award.
9. Attended XXVI National Conference of the Indian Association for Social Psychiatry from 29/11/2019 – 01/12/2019 Organized by AIIMS, Bhubaneswar. Presented E-poster on "Perception of parents on usage of Touch Screen Device (TSD) among children aged 0-6 years" and Presented Scientific paper "Touch Screen Device (TSD) usage and its correlation with sleep pattern among infants and toddlers ". Attended pre-conference workshop Organized by Indian Association for Social Psychiatry and AIIMS, Bhubaneswar on "Gadget addiction" and "Global Mental Health Assessment tool (GMHAT)" on 28th November 2019.
10. Attended a workshop on the theme "Emergency nurses never skip a beat", in trauma and emergency on 9th and 10th of January 2020 Organized by MSc Nursing students at College of Nursing, AIIMS Bhubaneswar
11. Attended 8th Annual conference of Indian Association of Neonatal Nurses (IANN) Neonatal Nurses (IANN) from 9th to 11th February 2020 Organized by AIIMS, Bhubaneswar. Presented scientific paper on "Experiences and perceived barriers towards KMC among mothers of preterm in NICU" and faculty coordinator for pre-conference workshop.
12. Attended National Community Health Nursing Conference - 2020 from 13/02/2020 – 14/02/2020 Organized by College of Nursing, CMC, Vellore. Presented concept poster on "NCD prevention in children" and got 3rd Best poster award.

Mrs. Nadiya Krishnan

1. Delivered a lecture as a resource person on "complications of IV access and its nursing management" for two-day workshop on "An update on infusion Nursing" on 9th and 10th April 2019 at College of nursing for Nursing officers of AIIMS Bhubaneswar.
2. Attended workshop on "Application of Biostatistics in clinical research" organized from 22nd April to 25th April 2019 (duration of 20 hours)

3. Attended as delegate EM INDIA 2019- The All India Annual Academic EM Congress of The Emergency Medicine Association and Academic College of Emergency Experts and National Conference of Emergency Nursing – Transforming Emergency Care system through Nurse's action at AIIMS, New Delhi 31st July to 4th August. Was awarded Fellowship in Academy for Clinical Emergency Nursing in India in EM INDIA 2019.
4. Attended IAP BLS course at College of nursing AIIMS Bhubaneswar on 22nd September and successfully completed IAP Basic Life Support Course (provider Level) as got selected as a potential trainer.
5. Co-ordinated and Organized Community, mass awareness and a CME/ CNE Programme on Stroke on 29th October 2019 as part of World Stroke day 2019- observation at AIIMS Bhubaneswar targeting general public, third year students, MSc. Students, nurses, residents and faculty.
6. Attended as delegate 3rd ASOMACON -2019 conference of Asian Society of Mastology from 15th -17th November 2019 at AIIMS Bhubaneswar.
7. Attended as delegate Lymphedema workshop in 3rd ASOMACON -2019 Organized as part of Asian Society of Mastology on 15th November 2019.
8. Attended a workshop on the theme "emergency nurses never skip a beat" on 9th and 10th of January 2020 at Mini-auditorium, College of Nursing, AIIMS Bhubaneswar
9. Was Member of organising committee-(scientific committee) for 8th Annual Conference of Indian Association of Neonatal Nurses (IANN) Organized by AIIMS Bhubaneswar from 9th-11th February 2020
10. Attended workshop on NRP: optimising the Golden Hour as part of 8th Annual Conference of Indian Association of Neonatal Nurses (IANN) on 9th February 2019 at AIIMS Bhubaneswar.
11. Attended course on Hemodynamic monitoring organized by Indian Society of Critical Care Medicine (ISCCM) at HITEC city, Hyderabad from 26th -27th February 2020
12. Completed a E- Learning course in scientific writing and reference management (E swarm) by Institute Public health (IPH) supported by Institute of tropical medicine Antwerp from January- April 2020 (3 month course)

Ms.Geeta Rani Nayak

1. Attended 1st Annual National Conference Paediatric and Neonatal Nurses Forum India PNNFICONF-2019 and presented a paper on the Effect of Animated cartoon during cannulation in on reducing pain perception among children undergoing chemotherapy, at College of Nursing Christian Medical College & Hospital, Ludhiana, Punjab from 20th to 22nd November 2019.
2. Attended workshop on "Health Research Method Workshop for Nurses and Allied Health Professionals" at St. John's National Academy of Health Sciences, Bangalore from 26th to 28th February 2020
3. Attended 6th State SOMI Conference on "Current breakthrough in field of maternal and child health" at SUM Nursing College, Bhubaneswar on 17th December 2019.
4. Attended 8th Annual conference of Indian association of Neonatal nurses (IANN) from 9th to 11th February at AIIMS, Bhubaneswar and presented posters on Barriers to compliance of exclusive breastfeeding among the mothers visiting a tertiary care hospital of Odisha and Effect of Nesting on posture and motor performance of healthy preterm infant in a Tertiary care .

Dr. Mahalingam Venkatesan

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar from 22nd April to 25th April 2019
2. Attended 8th Annual conference of Indian association of Neonatal nurses (IANN) from 9th -11th February at AIIMS, Bhubaneswar
3. Presented a paper on "Conference on integration of theories in clinical Practice and research" at National Conference Organized by King George Medical University, Lucknow on 28th February, 2020.
4. Presented a paper on "An update on infusion nursing" at State level workshop Organized by College of Nursing, AIIMS, Bhubaneswar from 9th April to 10th April,2019.

Mr. Alwin Issac

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
3. Presented a topic as a resource person on 'Quiz' at a workshop on "Management of substance use Disorder" on 05/02/2020 at College of Nursing for Nurses in Odisha

4. Participated as a member in the organizing team of "Management of Substance use disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses in Odisha at College of Nursing AIIMS Bhubaneswar .

Mr. Sam Jose

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
3. Attended CNE on "Management of patient with stroke" held on 2^{9th} October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
4. Participated as a member in the organising team of "Management of Substance use disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses in Odisha at College of Nursing AIIMS Bhubaneswar . As a resource person he presented a topic 'Handling craving and nicotine withdrawal in inpatient set up' on 05th February 2020 .
5. Attended the 8th Annual conference of Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
6. Attended the 26th National conference of Indian Association of social psychiatry (IASP) from 29th November to 1st December 2019, at AIIMS, Bhubaneswar.

Mr. Vijay VR

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 20 hours
2. Attended CNE on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium on 14th August 2019.
3. Organized the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
4. Participated as a resource person in the workshop on an update on infusion nursing Organized by AIIMS, Bhubaneswar on 8th & 9th April 2019.
5. Attended CME on Hospice and palliative care. Organized by College of nursing and Dept of surgical oncology AIIMS Bhubaneswar on 21st October 2019.
6. Attended CNE/CME on Management of patient with stroke Organized by College of Nursing & Dept of Neurology AIIMS BBSR on 29th October.

Ms. Mamata Das

1. Attended a workshop on "Application of Biostatistics in Clinical research" Organized by College of Nursing, AIIMS, BBSR from 22nd April to 25th April, 2019.
2. Attended CNE on "Nurse Led :Heart failure management Programme" Organized by College of Nursing on 14th August, 2019.
3. Participated "IAP Basic life support course (Provider level)" Organized by College of Nursing on 22nd September, 2019.
4. Attended CNE programme on "Hospice and palliative care" Organized by College of Nursing on 21st October, 2019.

Ms.Sujata Mohapatra

1. Presented a poster on "A quality improvement initiative to improve VHND maternal health services in rural community" at 38th Annual Conference of IAPSM (Indian Association of Preventive & Social Medicine) from 11th to 12th January 2020 at AIIMS Bhubaneswar.
2. Participated in Poster presentation entitled "Challenges faced by Community midwives and the ways to overcome" on 17th December, 2019 at 6th SOMI State level conference, Odisha chapter Organized by SUM Nursing College, SOA University.
3. Attended IAP-BLS one day Skill training program on 3rd December 2019 at College of Nursing, AIIMS, Bhubaneswar
4. Attended workshop on "Application Of Biostatistics In Clinical Research" from 23rd to 25th April 2019 at College of Nursing, AIIMS, Bhubaneswar.
5. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by College of Nursing at mini auditorium, AIIMS Bhubaneswar.
6. Attended as organising member of 8th Annual conference of Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, College of Nursing, AIIMS, Bhubaneswar.

Ms. Manjula Kumari

1. Attended Workshop on "Application of Biostatistics in Clinical Research" Organized by College Of Nursing on 22nd April to 25th April.
2. Attended CNE on "Nurse Led: Heart failure management programme" Organized by College Of Nursing on 14th August 2019.
3. Completed IAP Basic life support course Organized by College of Nursing on 22nd September 2019.
4. Awarded as quiz master for assisting in NNF quiz of zonal level Organized by College of nursing in coordination with department of neonatology on 3rd October 2019.
5. Attended CNE/CME programme on "Hospice and palliative care" on 21st October 2019 Organized by College Of Nursing.
6. Attended CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College Of Nursing.
7. Attended 8th Annual Conference Indian Association Of Neonatal Nurses Organized by College Of Nursing on 9th -11th February 2020.

Mr. Jaison Jacob

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 20 hours
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
3. Attended "XXVI National conference of the Indian Association for social psychiatry" (NCIASP) Organized by the Department of psychiatry AIIMS Bhubaneswar from 29th November to 1st December 2019. CME 10 credit points
4. Organized "Management of Substance abuse disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses from Odisha and AIIMS Bhubaneswar
5. Organized the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
6. Attended CNE on "management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.

Ms Sadhana Priyadarshini

1. Attended CME on Many Birth Defects, One Voice Organized by AIIMS Bhubaneswar on 12th March, 2019.
2. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 20 hours
3. Attended 7th National Hindi Language Conference Organized by AIIMS,BBSR on 2nd May 2019
4. Participated in the Training of Tutor/Faculties on Updated National Nutrition Programmes And Strategies on 24th-25th June, 2019 at Bhubaneswar, which was Organized by Department Of Health And Family Welfare, Govt. Of Odisha in collaboration with UNICEF.
5. Attended CME on "Hospice and palliative care" Organized by College of nursing and Dept of surgical oncology AIIMS Bhubaneswar on 21st October 2019.
6. Attended CNE/CME on Management of patient with stroke Organized by College of Nursing & Dept of Neurology AIIMS BBSR on 29th October 2019.
7. Attended IAP/BLS course for nurses and paramedics Organized by Indian Academy Of Pediatrics in collaboration with College Of Nursing AIIMS Bhubaneswar on 22nd November 2019.
8. Attended the 8th Annual Conference of IANN, held from 9th -11th February 2020 at College of Nursing, AIIMS, Bhubaneswar, India

Ms. A.Serma Subathra

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019.
2. Organising Secretary for CNE held 14th August 2019 on "Nurse led Heart failure management" Organized by College of Nursing, AIIMS, Bhubaneswar at mini auditorium.
3. Organized 'Health camp' for public at lower primary school, Bhagabatipur village on 12th October 2019.
4. Resource person cum Organizing Secretary for CNE held 21st October 2019 on "World hospice & Palliative care day" and topic presented on Issues in Palliative Care – Ethical, Legal and Moral Organized by College of Nursing & Dept of Surgical Oncology, AIIMS Bhubaneswar at mini auditorium.

5. Attended 3rd ASOMA CON 2019 conference and workshop on Lymphedema management for Mastectomy patients from 16th to 17th November 2019.
6. Attended work shop on ALS/BLS certified by Indian Association of Pediatrics on 3rd December 2019 , Organized by CON & Dept of Pediatrics at AIIMS,BBSR.

Ms. Harpreet Kaur

1. Attended CNE on "Nurse Led: Heart failure management programme" Organized by College of Nursing on 14th August 2019.
2. Attended Workshop on Introduction to EHR standards Organized by HRD Cell AIIMS Bhubaneswar on 21st August 2019
3. IAP Basic life support course Organized by College of Nursing on 26th November 2019
4. Attended CNE/CME programme on "Hospice and palliative care" on 21st October 2019 Organized by College of Nursing.
5. Attended CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College of Nursing.
6. Attended 8th Annual Conference Indian Association of Neonatal Nurses Organized by College Of Nursing AIIMS, Bhubaneswar on 9th -11th February 2020.

Mr. Anoop S Nair

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
3. Attended CNE on "Management of patient with stroke" held on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
4. Organized and attended a workshop on "Lymphedema" as co-ordinator held on 17th November 2019 at mini auditorium, CON, AIIMS Bhubaneswar.

Mr. Arunakumar Kasturi

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 18 hours.
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
3. Attended the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
4. Attended CNE on "management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
5. Attended workshop on "Lymphedema management" on 17/11/2019 at CON, AIIMS Bhubaneswar on account of 3rd annual conference of the Asian Society of Mastology, ASOMACON 2019, held from 15th to 17th November 2019, AIIMS Bhubaneswar

Ms. Sandhiya. K

1. Attended workshop on 'Application of biostatistics in clinical research' Organized by College of Nursing AIIMS Bhubaneswar on 22nd to 25th April 2019
2. Facilitator in Zonal level 'Nursing quiz in Neonatology' Organized by National Neonatology Forum held at AIIMS Bhubaneswar on 03/10/2019
3. Completed IAP/BLS(Provider Level) course for nurses and paramedics Organized by Indian Academy of Pediatrics in collaboration with College of nursing AIIMS Bhubaneswar on 2nd November 2019.
4. Organized and attended the '8th Annual Conference of IANN' in Collaboration with AIIMS, Bhubaneshwar held from 9th -11th February 2020 at College of Nursing, AIIMS, Bhubaneshwar, India.
5. Presented Concept paper on 'Advancement in improving preterm newborn care' in SOMI state conference Organized by SOMI Odisha chapter and SUM college of nursing Bhubaneswar on 17th December 2019.
6. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.

Mrs. Sasmita Panigrahi

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 20 hours
2. Attended CNE on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium on 14th August 2019.
3. Part of organising member & attended 8th Annual conference Indian Association of Neonatal Nurses (IANN) on 9th to 11th February 2020, AIIMS, Bhubaneswar.
4. Attended one day training on IAPBLS course (provider level) on 22nd November 2019.

Indhumathi P

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar
3. Attended workshop on CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College Of Nursing.
4. Presented concept poster on "We make a difference in preventing Maternal Mortality Rate" at 6th State Level Conference(Society of Midwives, India-Odisha Chapter) on "Current Breakthrough in Field of Maternal & Child Health" on 17th December 2019 at SUM Nursing College, Siksha' O' Anusandhan (Deemed to be University) Bhubaneswar
5. Attended 8th Annual Conference Indian Association Of Neonatal Nurses Organized by College Of Nursing AIIMS, Bhubaneswar on 9th -11th February 2020.

Mr. Rakesh V R

1. Presented a topic as a resource person on 'Infusion sets, Add on devices and Flow control Devices' at a workshop on "An update on infusion Nursing" on 9th and 10th April 2019 at College of nursing for Nursing officers of AIIMS Bhubaneswar.
2. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours
3. Attended CNE on "Management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
4. Participated as a resource person on the topic "Practical session of Field and Hospital triage" at a workshop on 'Trauma and Emergency Nursing' Organized by College of nursing AIIMS Bhubaneswar on 9th and 10th January 2020.
5. Presented a topic as a resource person on 'Identification of symptoms of intoxication and withdrawal of substances' at a workshop on "Management of substance use Disorder" from 03/02/2020 at College of nursing for Nurses from Odisha
6. Participated as member in the organising team of "Management of Substance abuse disorder" workshop from 21st to 27th October 2019 and 2nd to 8th February 2020 for nurses from Odisha at College of Nursing AIIMS Bhubaneswar
7. Attended the 8th Annual conference of Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.

Ms. Priyadarshini T

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar
3. Facilitator in Zonal level Nursing quiz in Neonatology Organized by National Neonatology Forum held at AIIMS Bhubaneswar on 03/10/2019
4. Attended workshop on CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College Of Nursing.

Ms. Suchismita Sahoo

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019 for duration of 20 hours
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.

3. Attended the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
4. Completed IAP Basic life support course (provider level) conducted at AIIMS, Bhubaneswar on 22nd September 2019.
5. Attend 7th Rastriya Rajbhasa Sammelan in 2nd May-2019 Organized by national health and family welfare dept, Govt of India

Mr. Jahir Hussain

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
3. Attended workshop on CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College Of Nursing.

Mr. Shine Stephen

1. Attended workshop on "Application of Biostatistics in clinical research" Organized from 22nd April to 25th April 2019 for duration of 20 hours
2. Attended Training cum workshop on Electronic Health Record (EHS) standards and SNOMED CT on 21st August, 2019 at AIIMS, Bhubaneswar
3. Attended the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th - 11th February, 2020 at AIIMS, Bhubaneswar.
4. Attended CME on Hospice and palliative care. Organized by College of nursing and Dept of surgical oncology AIIMS Bhubaneswar on 21st October 2019.
5. Organized and attended CNE/CME on Management of patient with stroke Organized by College of Nursing & Dept of Neurology AIIMS BBSR on 29th October, 2019.
6. Attended pre-conference workshop, conference and presented a poster in 2nd National Critical Care Nursing Congress 2020 conducted by Society for Critical Care Nursing at PGIMER, Chandigarh on 1st and 2nd February, 2020.

Azhar S.M

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019.
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.
3. Attended CNE on "management of patient with stroke" on 29th October 2019 at mini auditorium, CON, AIIMS Bhubaneswar.
4. Attended 38th annual conference of Indian Association of Preventive and Social medicine(IAPSM) on "Primary health care" on 11th and 12th January 2020 at Main auditorium, AIIMS, Bhubaneswar.
5. Co-ordinated 'screening cum awareness camp' under National Tobacco Control Programme in collaboration with CHC, Mendhasal on 16th January at Daspur village.
6. Attended 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th to 11th February 2020, AIIMS, Bhubaneswar.
7. Organized mass awareness programme on 'unhealthy habits' at Bhagabatipur village on 6th March 2020

Ms. KALAVANI .H

1. Attended workshop on "Application of Biostatistics in clinical research" Organized on 22nd April to 25th April 2019.
2. Attended 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 9th February to 11th February 2020 Organized by CON, AIIMS, Bhubaneswar.
3. Organized and Presented a topic as a resource person on 'Family therapy on substance abuse' at a workshop on "Management of substance use Disorder" on 3rd February 2020 at College of nursing for Nurses from AIIMS, BBSR.

Ms. Malini Diggai

1. Attended Workshop on "Application of biostatistics in clinical research" Organized from 22nd April to 25th April 2019, AIIMS, Bhubaneswar.
2. Attended CNE on 14th August 2019 on "Nurse led Heart failure management" Organized by college of nursing AIIMS Bhubaneswar at mini auditorium.

3. Completed the IAP Basic Life Support Course (Provider Level) conducted at AIIMS, Bhubaneswar on 22.09.2019
4. Attended CNE programme on "Hospice & Palliative Care" on 21/10/ 2019, AIIMS, Bhubaneswar.
5. Attended CME on "Management of Patient with Stroke" on 29/10/ 2019, AIIMS, Bhubaneswar.
6. Attended the 8th Annual conference Indian Association of Neonatal Nurses (IANN) from 09th -11th February 2020, AIIMS, Bhubaneswar.
7. Attended 7th National Hindi Language Conference Organized by AIIMS,BBSR on 2nd May 2019

Ms. Rekha Parida

1. Attended Workshop on "Application of Biostatistics in Clinical Research" Organized by College of Nursing on 22nd April to 25th April.
2. Attended CNE on "Nurse Led: Heart failure management programme" Organized by College of Nursing on 14th August 2019.
3. Completed IAP Basic life support course Organized by College Of Nursing on 22nd September 2019
4. Attended CNE/CME programme on "Hospice and palliative care" on 21st October 2019 Organized by College of Nursing.
5. Attended CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College of Nursing.
6. Attended 38th Annual Conference of Indian Association of Preventive and Social Medicine-Odisha state branch Organized By Department of community medicine and family medicine AIIMS, Bhubaneswar on 11th January -12th January 2020.
7. Attended 8th Annual Conference Indian Association Of Neonatal Nurses Organized by College Of Nursing on 9th -11th February 2020.

Mr. Karthick M

1. Attended workshop on "Application of Biostatistics in clinical research" Organized by College of Nursing AIIMS Bhubaneswar on 22nd April to 25th April 2019 for duration of 20 hours.
2. Attended CNE as a delegate on "Nurse Led Heart failure management" held on 14th August 2019 at mini auditorium, CON, AIIMS Bhubaneswar
3. Attended workshop on CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College Of Nursing.

Ms. Rashmita Tigga

1. Attended Workshop on "Application of Biostatistics in Clinical Research" Organized by College of Nursing on 22nd April to 25th April.
2. Attended CNE on "Nurse Led: Heart failure management programme" Organized by College of Nursing on 14th August 2019.
3. Completed IAP Basic life support course Organized by College of Nursing on 22nd September 2019

Ms. Bhanu prava Mallick

1. Attended CNE/CME programme on "Hospice and palliative care" on 21st October 2019 Organized by College Of Nursing.
2. Attended Workshop on "Application of biostatistics in clinical research" Organized from 22nd April to 25th April 2019, AIIMS, Bhubaneswar.
3. In association with microbiology department, AIIMS, Bhubaneswar, co-ordinated Hand Hygiene Programme for class 4th & 5th students at Doon International School, Bhubaneswar on date 15/04/2019.
4. Participated in the Training of Nursing Tutors/ Faculties on "Updated National Nutrition Programmes & Strategies" Organized by Ministry of health on 07/08/2019, at Bhubaneswar.
5. Completed the IAP Basic Life Support Course (Provider Level) conducted at AIIMS, Bhubaneswar on 22.09.2019
6. Attended CNE programme on "Hospice & Palliative Care" on 21/10/ 2019, AIIMS, Bhubaneswar.
7. Attended CME on "Management of Patient with Stroke" on 29/10/ 2019, AIIMS, Bhubaneswar.
8. Presented concept poster on "Advancement in Improving Preterm Newborn Care" at 6th State Level Conference (Society of Midwives, India-Odisha Chapter) on "Current Breakthrough in Field of Maternal & Child Health" on 17/12/2019 at SUM Nursing College, Siksha' O' Anusandhan (Deemed to be University) Bhubaneswar

9. Coordinator in Pre- conference workshop and attended 8th Annual conference Indian Association of Neonatal Nurses (IANN) on 09/02/2020 at College of Nursing, AIIMS, Bhubaneswar.
10. Attended CNE/CME programme on "Management of patient with stroke" on 29th October 2019 Organized by College of Nursing.
11. Attended 8th Annual Conference Indian Association Of Neonatal Nurses Organized by College of Nursing on 9th -11th February 2020.

RESEARCH

Funded projects:

Ongoing:

1. Title of the project: Endotracheal tube cuff pressure monitoring daily Vs 4th hourly; randomised controlled trail.
Name of the principal investigator: Mrs Sasmita Panigrahi
Funding agency: AIIMS Bhubaneswar
Duration: 1 year, Start year: 2019
Total fund Rs.: 85000
IEC approval number: IMF/19/2018

Completed

1. Title of the project: Effectiveness of Training programme on prevention of obstetric fistula in khurda district, Odisha.
Name of the principal investigator: Mrs Dharitri Swain
Funding agency: ICMR
Duration: 3 years, Start Year: February 2017
Total Fund: 27 lakh
IEC approval number: T/EM-F/Nurs/13/08
2. Title of Project: Effect of Sudarshan Kriya Yogic (SKY) breathing Intervention on hormonal changes and quality of life related to menopausal symptoms among menopausal women: A randomised control trial.
Name of the principal investigator: Mrs Dharitri Swain
Funding Agency: Department of Science and Technology (DST)
Duration: 2 year, start year: January 2018
Total Fund: 26 lakh
IEC approval number: T/EM- F/Nurs/17/06

Non-funded projects:

1. Title of Project: Effectiveness of New Admit Orientation on hospital anxiety and depression among parents of children in paediatric ward AIIMS, Bhubaneswar.
Name of the principal investigator : Dr Asha P Shetty
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/AIIMSBBSR/Nursing/2019-20/07
2. Title of Project: Perception of Patient safety culture among health personnel in a tertiary care hospital , AIIMS Bhubaneswar
Name of the principal investigator : Dr Asha P Shetty
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBSR/Nursing/2018-19/14
3. Title of Project: Effectiveness of pre recorded maternal voice on pain response of neonates during painful routine procedures at intensive care unit, AIIMS Bhubaneswar
Name of the principal investigator: Dr Asha P Shetty
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBSR/Nursing/2018-19/12
4. Title of Project: A study to assess the current communication procedural practices among nurses during any painful procedures of children in paediatric ward, AIIMS Bhubaneswar.
Name of the principal investigator: Shramana Ray (M.Sc. student) under guidance of Dr Asha P Shetty
Funding Agency: N.A.

- Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: T/IMF/ P.S./Student/2019-20/05
5. Title of Project: A study to assess the knowledge and practice of mothers regarding neonatal danger signs in newborn and infants in a selected tertiary care teaching hospital, Eastern India.
Name of the principal investigator: Dr Asha P Shetty
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20/17
 6. Title of Project: Relationship between smartphone screen time and sleep quality
Name of the principal investigator: Dr.Renju Sussan Baby
Funding Agency: N.A.
Duration, Start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2018-19/05
 7. Title of Project: Effectiveness of parents training programmes on knowledge, attitude and parent care competence among parents of ADHD children
Name of the principal investigator: Dr. Renju Sussan Baby
Funding Agency: N.A.
Duration:, start year: 1 Year. 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2018-19/15
 8. Title of Project: Effectiveness of caregiver intervention for improving medication adherence among non-adherent patients with psychotic disorders
Name of the principal investigator: Dr. Renju Sussan Baby
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2018-19/17
 9. Title of Project: Assessment of factors and preparedness for caregiving among care givers of psychotic disorder patients.
Name of the principal investigator: Dr Renju Sussan Baby
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/ AIIMS BBSR/Nursing/ 2019-20/06
 10. Title of Project: Effects of different maternal positions during non-stress test (NST) on reactivity, maternal blood pressure, heart rate and comfort among antenatal women at AIIMS Bhubaneswar
Name of the principal investigator: Dr Smitha M.V
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/19
 11. Title of Project: Quality improvement program initiative to initiate the first-hour breastfeeding after caesarean section, AIIMS Bhubaneswar
Name of the principal investigator: Dr Smitha M.V
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/20
 12. Title of Project: Effect of Breast-feeding support Initiative on Breast Engorgement and New born Feeding Behaviour among Post Caesarean mothers
Name of the principal investigator: Dr Smitha M.V
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019

- Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20/05
13. Title of Project: A Study to assess the Effectiveness of a nurse led brief intervention on Motivation Enhancement towards Alcohol Cessation and Treatment seeking behavior among patients visiting Gastroenterology Out Patient Department, AIIMS, Bhubaneswar.
Name of the principal investigator: Mr.Nanda kumar Paniyadi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/28
 14. Title of Project: 'Prevalence of Cardiometabolic Risk and their attitude towards reduction of cardiometabolic risk among patient receiving long term antipsychotics in tertiary care hospital of Odisha, India'
Name of the principal investigator: Mr.Nanda kumar Paniyadi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20 /01
 15. Title of Project: A cross -sectional study to assess the psychological wellbeing and academic stress among the students of AIIMS Bhubaneswar.
Name of the principal investigator: Mr.Nanda kumar Paniyadi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/30
 16. Title of Project: A crosssectional study on utilisation and satisfaction toward Aanganwadi services for children beneficiaries(<6yrs) among rural mothers
Name of the principal investigator: Ms.Shyama Devi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/ 2018-19/08
 17. Title of Project: Effectiveness of home based training program on Quality of life in patients with filarial lymphedema of lower limb in selected rural area of khurda District, Odisha.
Name of the principal investigator: Ms.Shyama Devi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/ 2018-19/22
 18. Title of Project: Utilisation and compliance of weekly iron and folic acid supplementation program among school dropout adolescent girls in rural area of Odisha, India
Name of the principal investigator: Ms.Shyama Devi
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/ 2018-19/23
 19. Title of Project: A study on Skin to Skin Contact awareness, attitude, experience and factors influencing Skin to Skin Contact practice in NICU and at home among mothers of preterm newborns from a tertiary care hospital in Eastern India."
Name of the principal investigator: Ms. Hepsi Bai J
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20/14
 20. Title of Project: The quality of life (QOL) and sleep pattern in children with Epilepsy attending Pediatric and Epilepsy clinic at AIIMS Bhubaneswar
Name of the principal investigator: Ms. Hepsi Bai J
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA

- IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20/08
21. Title of Project: A study to assess the Registered Nurses' compliance with safety precautions for patients in a selected tertiary care teaching hospital, Eastern India
Name of the principal investigator: Ms. Hepsi Bai J
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2019-20/04
 22. Title of Project: A study to assess the quality of life (QOL) and adherence to treatment regimen among children with Nephrotic Syndrome in a selected tertiary care teaching hospital, Eastern India
Name of the principal investigator: Ms. Hepsi Bai J
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/18
 23. Title of Project: A study to assess the effectiveness of reinforcement programme on adherence towards peripheral venous catheter (PVC) care guidelines among registered nurses in a selected tertiary care teaching hospital, Eastern India
Name of the principal investigator: Ms. Hepsi Bai J
Funding Agency: N.A.
Duration:, start year:
Total fund: NA
IEC Approval number: IEC/AIIMSBBBSR/Nursing/2018-19/16
 24. Title of Project: Pain assessment in mechanically ventilated patients during tracheal suctioning in ICUs of AIIMS BBSR.
Name of the principal investigator: Mrs Nadiya Krishnan
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2019-20/12
 25. Title of Project: Effect of communication board on anxiety and level of satisfaction with communication among mechanically ventilated conscious patients admitted in Tertiary Care Institution.
Name of the principal investigator: Mrs Nadiya Krishnan
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2018-19/25
 26. Title of Project: A comparative study on the blood sugar values estimated from central venous sample and capillary sample in patients receiving vasoactive drugs in the ICUs of AIIMS Bhubaneswar.
Name of the principal investigator: Mrs Nadiya Krishnan
Funding Agency: N.A.
Duration:, start year: 1 Year, 2018
Total fund: NA
IEC Approval number: IEC/AIIMS BBSR/Nursing/2018-19/03
 27. Title of Project: Study to assess the Knowledge & practice on menstrual hygiene among specially abled adolescent girls ,selected centers at BBSR- A Pilot Project
Name of the principal investigator: A.Serma Subathra
Funding Agency: N.A.
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: T/IM-NF-Nursing /19/88
 28. Title of Project: Epidemiology of mass casualty incidents in a tertiary care trauma centre
Funding Agency: N.A.
Name of the principal investigator: Mr. Rakesh V R
Duration:, start year: 1 Year, 2019
Total fund: NA
IEC Approval number: IEC/T/IM-NF/Nurs/19/30

PUBLICATIONS

1. Oommen S, Shetty, A.P., Does parental anxiety affect children's perception of pain during intravenous cannulation?. Nurs Child Young People, 2019, Oct28, doi: 10.7748/ncyp.2019.e1187. PMID: 31657172
2. Stephen S, Vijay VR. Metamorphosis of nursing profession: an Indian perspective. J Glob Health. 2019 Dec;020314:(2)9. doi: 10.7189/jogh.09.020314. PMCID: PMC6858989 PMID: 31777657.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Asha P Shetty

1. Was invited to be the Advisory Board Member for Kasturba Gandhi Nursing College, Puducherry Sri Balaji Vidyapeeth, Puducherry (Deemed to be University) during May 2019.
2. Selected as member of "Board of studies for UG/PG courses in nursing studies" at JIPMER Pondicherry
3. Selected as Member of editorial board of the nursing journal of India published by Trained nurses' association of India
4. Was a member of the committee for drafting proposal on Center of excellence for nursing science at AIIMS Delhi and Six new AIIMS to be submitted to ministry of health

Dr. Mahalingam V

1. Appreciation "Teacher Innovation Award" by ZIIEI in 2019
2. Awarded Best Oral research paper presentation "Mindful eating intervention on blood glucose, BMI & stress among adults with type 2 diabetes mellitus" in national seminar on complementary and alternative therapies in health care practices, Organized by Siksha O Anusandhan University on 26.7.2019.



COMMUNITY MEDICINE
& FAMILY MEDICINE

COMMUNITY MEDICINE & FAMILY MEDICINE

FACULTY

Dr. Vikas Bhatia
Professor & Head

Dr. Swayam Pragyan Parida
Associate Professor

Dr. Manish Taywade
Assistant Professor

Dr. Sonu H Subba
Professor

Dr. Binod Kumar Behera
Associate Professor

Dr. Prajna Paramita Giri
Assistant Professor

Dr. Binod Kumar Patro
Additional Professor

Dr. Arvind Kumar Singh
Associate Professor

HIGHLIGHTS

The peripheral centres and special clinics of the department of Community Medicine and Family Medicine (CM & FM), AIIMS, Bhubaneswar have collectively provided Out Patient Department (OPD) services to 97,656 patients/beneficiaries in the year 2019. The department started residential training for interns and residents from April 2019. Junior Residents of the department won first prize in quiz competition organized during the Indian Public Health Association Conference (IPHACON) 2020 and 38th Indian Association of Preventive and Social Medicine (IAPSM) Odisha chapter as well as best paper awards. The department is undertaking funded research projects with financial assistance from ICMR New Delhi, UNICEF, Govt. of Odisha and from various national and international organizations/institutions. The department organized the 1st National Symposium on Education and Practice in Community Medicine in November 2019 and the 38th Indian Association of Preventive & Social Medicine (IAPSM) Odisha State Branch in January 2020 at AIIMS, Bhubaneswar. Two issues of Indian Journal of Community and Family Medicine were brought out in 2019-20 by the department and the journal is available online at www.ijcfm.org. The department started COVID-19 screening OPD on 17th March 2020 and had screened 500 patients till 30th March, 2020. The department is working for controlling COVID-19 pandemic in the state of Odisha in collaboration with Government of India and Odisha in various capacities.

EDUCATION

The department offers two postgraduate courses; MD program in Community Medicine and Fellowship in Public Health Nutrition. Presently, twelve Junior Residents are pursuing MD in Community Medicine. Various teaching and learning methodologies such as seminars, journal clubs, public health updates, research activities, posting in clinical departments are adopted for teaching postgraduate students. The first batch of MD students completed their PG in July 2019. Dept. of CM & FM has started a Fellowship program for Public Health Nutrition from October 2019. The fellowship course offers the opportunity to masters and doctoral level students for academic training on public health nutrition. Currently, one Fellow is pursuing the course.

The fourth batch of 100 MBBS students (2015 Batch) has finished the final professional examination in December 2019. They are currently undergoing three months of rotatory internship training in the Department of Community & Family Medicine besides Training in other departments. The Interns are posted at various clinics in the hospital, Khordha District hospital, rural and urban health training centres to acquire skills of the family physician, management of health centres such as Primary Health Centres, Community Health Centres and provision of community interventions. Teaching activities from the Department of Community and Family Medicine are extended to four batches of MBBS students and three batches of BSc nursing students. As a part of community training, each batch of MBBS students is allotted a village. Regular visits are made by the MBBS students to the families of allotted villages and students are involved in various activities such as conducting Health camps, assessment of the health profile of the family members and provision of health advisory services. The students undergo six weeks of posting each in rural and urban communities to get a comprehensive understanding of community medicine. Nursing students also visit the community to carry out community health and educational activities. The students are also assigned research projects, exposed to health programs and the health care delivery system.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/PAPER PRESENTED

Dr. Vikas Bhatia

1. Attended International Society for Vaccinology, Annual Congress 2019 at Ghent, Belgium from 27th October to 29th October 2019 and presented a paper on "Yellow Fever Vaccination: How much do travellers from Eastern India know?"
2. Attended 64th Annual National Conference of Indian Public Health Association (IPHACON) 2020 and delivered Dr. K.N. Memorial Oration and chaired a scientific session at AIIMS New Delhi from 29th February to 2nd March 2020.
3. Attended Indian Public Health Association Conference as a panelist for "Anaemia Mukh Bharat: Research, policy, Program" at Delhi on 29th February 2020.

4. Attended National Conclave on Public Health Nutrition: enriching the cycle of Research, Public Policy and Practices at NIT, Rourkela and presented a session on Public Health Nutrition: Trends and Determinants, from 30th January to 31st January 2020.
5. Attended as the organizing chairperson of "First National Symposium on Education and Practice" in Community Medicine, at AIIMS Bhubaneswar from 11th November to 12th November 2019.
6. Attended as the organizing chairperson of 38th Indian Association of Preventive and Social Medicine Odisha State Branch at AIIMS Bhubaneswar on 11th to 12th January 2020
7. Attended Medical Education Conference and Worksop at AIIMS Bhubaneswar from 23rd January to 25th January 2020.
8. Attended 6th National Workshop-cum-CME on Health System Strengthening and Association For Health Systems Analysis and Strengthening (AHSAS) at PGIMER Chandigarh as a resource person from 16th December to 20th December 2019.
9. Attended National Level training for AnemiaMukt Bharat, National Centre of Excellence and Advanced Research on Anemia Control (NCEAR-A), Centre for Community Medicine, at AIIMS New Delhi as a master trainer from 10th October to 11th October 2019
10. Attended as the organizing chairperson of two media workshops on Public Health Nutrition at AIIMS Bhubaneswar on 26th July 2019 & 12th January 2020.
11. Attended as the course director and resource faculty for three Induction training programs "Epidemic Management Training Program" for Medical Officers of Odisha Public Service Commission, Govt. of Odisha.
12. Attended as the chairperson and resource faculty for a series of ToT program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition for various Govt. & civil society participants from 30th April to 1st May 2019, from 1st August to 3rd August 2019, from 15th October to 17th October 2019, from 12th December to 14th December 2019, from 16th January to 18th January 2020 and from 27th January to 29th January 2020.
13. Attended as the resource person in the induction training program for the nursing officer at AIIMS Bhubaneswar on 22nd July 2019.
14. Attended as the chairperson of Workshop on Newborn care and Resource person for FANI Project with support of UNICEF Odisha at AIIMS Bhubaneswar held between September to December 2019.

Dr. Sonu H Subba

1. Attended the conference and workshop on "Communication in Health care" at the National Board of Examinations Building, Dwarka, Delhi from 6th April to 7th April 2019.
2. Delivered a guest lecture on Health Program Management for Public Health Foundation of India in Bhubaneswar, on 15th May 2019.
3. Participated as a resource person for Induction training for medical officers in Epidemic Management Training Program at AIIMS Bhubaneswar from 25th July to 26th July 2019 and delivered lectures on Communication during outbreaks and Cancer Screening
4. Attended Systematic Review and Metanalysis workshop at CMC Vellore from 19th August to 23rd August 2019.
5. Attended Sample size and power analysis workshop, National Institute of Mental Health and Neuro-Sciences (NIMHANS), Bangalore from 20th September to 21st September 2019.
6. Attended 1st National Symposium on Education & Practice of Community Medicine at AIIMS Bhubaneswar on 11th November 2019 and delivered a talk on "Competency-Based Curriculum".
7. Attended the Indian Association of Preventive and Social Medicine Odisha State Branch (IAPSM-OSB) conference at AIIMS Bhubaneswar from 11th January to 12th January 2020 and chaired a scientific session.
8. Attended Medical Education Conference 2020 at AIIMS Bhubaneswar on 25th January 2020 and judged poster competition and participated in a debate.

Dr. Binod Kumar Patro

1. Attended the 64th Annual National Conference of Indian Public Health Association (IPHA) held at AIIMS, New Delhi from 29th February to 2nd March 2020 and chaired a scientific session.
2. Attended Annual conference of Indian Association of Preventive and Social Medicine Odisha Chapter at AIIMS Bhubaneswar from 11th January to 12th January 2020 and delivered a lecture in thematic session on 11th January 2020.
3. Attended workshop on tobacco control and cessation at Tata Medical Center, Mumbai from 6th August to 8th August 2019

4. Attended National Conference for scientific writers and editors (IMPACT 2019) Armed Forces Medical College Pune from 13th September to 15th September 2019.
5. Attended 8th Annual National Conference of Indian Health Economics and Policy Association at NISER, Bhubaneswar on 23rd January 2020 and delivered a lecture

Dr. Swayam Pragyan Parida

1. Attended "Workshop on Effective Medical literature search" by QMed Foundation at AIIMS Bhubaneswar on 27th April 2019
2. Attended workshop on Clinical Trials, basics & specialized topics, at CMC Vellore from 16th October to 18th October 2019.
3. Attended workshop on Linear and Logistic regression organized by CMC Vellore from 26th August to 29th August 2019.
4. Attended Sensitization program on the coding of the verbal autopsy at AIIMS Bhubaneswar on 4th September 2019
5. Attended Medical Education conference 2020 at AIIMS Bhubaneswar from 23rd January to 25th January 2020
6. Attended as Resource faculty for a series of ToT program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition for various Govt. & civil society participants from 30th April to 1st May 2019, from 1st August to 3rd August 2019, from 15th October to 17th October 2019, from 12th December to 14th December 2019, from 16th January to 18th January 2020 and from 27th January to 29th January 2020.
7. Attended as Resource faculty for a series of the orientation training program on International Classification of Diseases 10 coding for medical / non-medical personnel at Regional Offices of Health and Family Welfare (RoHFW), Bhubaneswar on 25th June 2019, 17th September 2019 and from 3rd February to 7th February 2020.
8. Attended Epidemic Management Training Program for Medical Officers at AIIMS Bhubaneswar on 25th July 2019 as a Resource person.
9. Attended as Resource faculty for students'workshop on Research Methodology on 19th August 2019
10. Attended Training program on Digital Action Plan for prevention of Obstetric Fistula in Khordha on 7th September 2019 as the facilitator.
11. Attended 1st South-East Asia Region group meeting of the International Epidemiological Association in Colombo from 19th September to 21st September 2019 and delivered a lecture.
12. Attended the 26th National Conference of Indian Association of Social Psychiatry in AIIMS Bhubaneswar in October 2019 and chaired a scientific session.

Dr. Binod Kumar Behera

1. Attended workshop on Literature search at AIIMS Bhubaneswar on 26th April 2019
2. Attended the International Public Health Conference at Kochi in November 2019.
3. Organized Indian Association of Preventive & Social Medicine (IAPSM) conference Odisha state branch at AIIMS Bhubaneswar from 11th January to 12th January 2020.
4. Attended Medical Education Conference 2020 at AIIMS Bhubaneswar from 24th January to 25th January 2020.

Dr. Arvind Kumar Singh

1. Attended Amrita International Public Health Conference (AMRITACON) at Kochi from 25th November to 26th November 2019 and presented an oral presentation titled "Effectiveness of a Short-Structured Training Program on Knowledge related to Newer Interventions in India Newborn Action Plan (INAP) among Health Personnel of 17 Districts of Odisha"
2. Attended National Conference of AIDS Society of India (ASICON) at Chennai from 22nd November to 24th November 2019 and presented a poster titled "Can PPTCT data replace HIV sentinel surveillance for HIV estimation: A Systematic Review of India studies".
3. Attended Annual National Conference of Indian Public Health Association (IPHACON) at AIIMS New Delhi from 29th February to 2nd March 2020 and presented a poster presentation titled "Prevalence and determinants of the dangerous selfie among medical and nursing students: A cross-sectional study from Eastern India", chaired a scientific session and moderated a parallel session.
4. Participated in the "First national symposium on education and practice in community medicine" at AIIMS Bhubaneswar from 11th November to 12th November 2019 as organizing secretary and presented an oral paper.

Dr. Manish Taywade

1. Attended Media Workshop on Public Health Nutrition at AIIMS Bhubaneswar on 26th August 2019.
2. Participated as a Resource Person in the Training Programme for nurses on management of substance use disorder

at AIIMS Bhubaneswar from 21st October to 27th October 2019 and delivered a talk on "Prevention of Substance Abuse: Community Perspective".

3. Attended the First National Symposium on Community Medicine at AIIMS Bhubaneswar from 11th November to 12th November 2019.
4. Attended 2nd National Biomedical Research Competition 2019 at PGI Chandigarh on 17th November 2019 and presented a poster entitled "Patient Empowerment and self-monitoring among Type 2 Diabetes Mellitus patients by using Rule of Seven: An Innovative solution".
5. Attended the Medical Education Conference (MECON 2020) at AIIMS Bhubaneswar from 24th January to 25th January 2020.

Dr. Prajna Paramita Giri

1. Attended the meeting with officials of Odisha Livelihood Mission and UNICEF functionaries at UNICEF, Bhubaneswar office on 2nd July 2019 as a member of the Jiban Sampark Project.
2. Attended the workshop on Development of a protocol for a Systematic Review at CMC, Vellore from 19th August to 23rd August 2019.
3. Attended 1st South East Asia Regional Group Meeting of the International Epidemiological Association and 14th Annual Academic session of the College of Community Physician of Sri Lanka at Colombo from 19th September to 21st September 2019 and presented a paper (oral) titled "Morbidity pattern of Geriatric population attending Urban Health & Training Centre, Jobra, Cuttack, India".
4. Attended national conclave on "Public Health Nutrition: Enriching the cycle of research, public policy & practice" at Rourkela from 30th January to 31st January 2020 and co-chaired a session titled "Public Health Nutrition: Trends and Determinants".
5. Attended 64th Annual National Conference of Indian Public Health Association at AIIMS, New Delhi from 29th February to 2nd March 2020 and presented a paper (oral) titled "Pattern of morbidity and use of social security schemes among steel plant workers in Angul district of Odisha".

Residents:

1. Dr. Pradnya D Chandanshive attended Geriatric Conference at Bengaluru from 21st to 22nd November 2019 and presented (Oral paper) on "Prevalence of elder abuse in urban slums of Bhubaneswar-Pilot study".
2. Dr. Pradnya D Chandanshive attended National conference of the Indian Association for Social Psychiatry in AIIMS Bhubaneswar on 27th November 2020 and presented E-poster on "Epidemiology elder abuse in urban slum areas of Bhubaneswar".
3. Dr. Pradnya D Chandanshive attended 38th Indian Association of Preventive and Social Medicine Odisha State Conference at AIIMS Bhubaneswar on 12th January 2020, and presented E-poster on "Epidemiology of Elder abuse in Urban slum areas of Bhubaneswar".
4. Dr Dinesh Prasad Sahu attended 38th Indian Association of Preventive and Social Medicine, Odisha State Conference at AIIMS Bhubaneswar on 12th January 2020, and presented (oral paper) on Development of a tool and evaluation of a Health Sub-centre to assess the service gap in a rural area of Eastern Odisha.
5. Dr Jyolsna Nair attended 38th Indian Association of Preventive and Social Medicine, Odisha State Conference at AIIMS Bhubaneswar on 12th January 2020, and presented (Oral Paper) on "Risk factor, impact and current status of post-partum depression in India: A narrative Review".

RESEARCH

Funded Intramural:

Ongoing:

1. Title of the project: Prevalence of overweight and obesity among school-going adolescents and its correlates in the Bhubaneswar City of Odisha.
Name of the principal investigator: Dr. Prajna Paramita Giri
Funding agency: AIIMS, Bhubaneswar
Duration-1 year; start year: 2018
Funds: Rs.2,25,000/-
IEC approval number: IMF/11/2018

Funded Intramural:**Completed:**

1. Title of the project: A study of association between gestational diabetes mellitus and postpartum depression in a rural community of Odisha, India
Name of the principal investigator: Dr. Arvind Kumar Singh
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 1 year, 2018
Funds: Rs. 3,50,000/-
IEC approval number: T/IMF/CM&FM/18/15

Departmental Projects:**Ongoing:**

1. Title of the project: An epidemiological study on Prevalence of depression among elderly and assessing the feasibility of "Problem Solving Therapy in Primary Care" in its management rural area of Khordha district. Thesis for the award of MD Community medicine, AIIMS Bhubaneswar. (PG Thesis)
Name of the Principal investigator: Dr. Vikas Bhatia
Funding agency: Nil
Duration: 1.5 years; start year: 2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/50
2. Title of project: Availability of palliative care services and it's needs in Khordha district. Thesis for award of MD Community medicine, AIIMS Bhubaneswar. (PG Thesis)
Name of the Principal investigator: Dr. Sonu H Subba
Funding agency: Nil
Duration: 1.5 years; start year: 2018
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2018-19/23
3. Title of project: Validation of postpartum depression predictors inventory revised (PDPI-R) and prevalence of postpartum depression among the parents of an urban population in Bhubaneswar (PG Thesis)
Name of the Principal investigator: Dr. Sonu H Subba
Funding agency: Nil
Duration: 1.5 Years; start year: 2019
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2019-20/61
4. Title of project: Community profiling of built environment characteristics impacting lifestyle factors related to Non-communicable diseases in Bhubaneswar city (PG Thesis)
Name of the Principal investigator: Dr. Binod Kumar Patro
Funding agency: Nil
Duration: 1.5 Years; start year: 2018
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2017-18/37
5. Title of project: Prevalence of elder abuse and perception of the youth towards it in an urban field- practice area of AIIMS Bhubaneswar (PG Thesis)
Name of the principal investigator: Dr. Swayam Pragyan Parida
Funding agency: Nil
Duration: 1.5 Years; start year: 2018
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2018-19/52
6. Title of project: Tuberculosis case notification by private health care providers in field practice area of AIIMS Bhubaneswar - a mixed method study (PG Thesis)
Name of the Principal investigator: Dr. Binod Kumar Behera
Funding agency: Nil
Duration: 1.5 years; start year: 2019
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2018-19/51
7. Title of project: A cluster randomized controlled trial to evaluate intervention modelled on health promoting schools framework compared to existing health promotion program in schools in improving selected health outcome and

knowledge among children (9-12 grade) in a district of Odisha, India (PG Thesis)

Name of the Principal investigator: Dr. Arvind Kumar Singh

Funding agency: Nil

Duration: 1.5 years; start year: 2019

Funds: Nil

IEC No: IEC/AIIMS BBSR/PG Thesis/2019-20/57

8. Title of project: Assessment of treatment cascade of hypertension in the rural setting of Odisha: A cross section study. (PG Thesis)
Name of the Principal investigator: Dr. Manish Taywade
Funding agency: Nil
Duration: 1.5 years; start year: 2019
Funds: Nil
IEC No: IEC/AIIMS BBSR/PG Thesis/2019-20/83

Completed:

1. Title of the project: Evaluating the effectiveness of a structured training module in detecting children with Developmental Delays in a rural setting of Odisha; A Cluster Randomised Trial. Thesis for the award of MD Community Medicine, AIIMS Bhubaneswar. (PG Thesis)
Name of the resident: Dr. G. Susmita Dora
Name of the Principal Investigator: Dr. Vikas Bhatia
Funding agency: Non - Funded
Duration: 1.5 years start year: 2017
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/34
2. Title of the project: Vaccine hesitancy and attitude towards vaccination among caregivers
Name of the principal investigator: Dr. Swayam P Parida
Funding agency: Non - Funded
Duration: 1 year; start year: 2019
Funds: Non-Funded
IEC approval number: T/IM-NF/CM&FM/18/57
3. Title of the project: Assessment of Maternal and Child Protection ((MCP) Card utility in rural Block of Odisha.
Name of the principal investigator: Dr. Manish Taywade
Funding agency: Non-Funded
Duration, start year: One year, 2019
Funds: Non-Funded
IEC approval number: T/IM-NF/CM&FM/19-15
4. Title of the project: Knowledge and perception about climate change & its implication on health among adolescents
Name of the principal investigator: Dr. Prajna Paramita Giri
Funding agency: Non-Funded
Duration, start year: One year, 2018
Funds: Non-Funded
IEC approval number: T/IM-NF/CM&FM/18-24

Collaborative Projects:

Ongoing:

1. Title of the project: Resource Centre for Advancement of Public Health Nutrition
Name of the principal investigator: Dr. Vikas Bhatia
Funding agency: UNICEF
Duration, start year: Jan 2019 to 2022, 4 Years
Funds: Rs. 6.3 crores
IEC approval number: EMF/17/2018
2. Title of the project: JibanSampark: Technical support and capacity building of different stakeholders in enhancing the uptake of Government of Odisha's health & Nutrition services by Particularly Vulnerable Tribal Groups (PVTG) communities.
Name of the principal investigator: Dr. Vikas Bhatia
Funding agency: UNICEF
Duration, start year: Mar 2018; 4.6 years
Funds: Rs. Two crores
IEC approval number: EMF/13/2017
3. Title of the project: Evaluation of the effectiveness of the National Health Mission (NHM) policy of mainstreaming and co-locating AYUSH within Primary Health Care.

Name of the principal investigator: Dr.Vikas Bhatia
 Funding agency: National Health Systems Resource Center (NHSRC), Ministry of Health & Family Welfare, Govt of India.
 Duration – one and a half year, start year: Mar 2020
 Funds: Rs. 20 lakhs
 IEC approval number: T/EMF/CMFM/19/30

4. Title of the project: Partnership proposal Water, sanitation and Hygiene (WASH) in Health Care Facilities
 Name of the principal investigator: Dr. Binod Kumar Patro
 Funding agency: UNICEF, Odisha
 Duration, start year: 2019, 3 years
 Funds:Rs 37,17,579
 IEC approval number: T/EMF/CM&FM/19/19
5. Title of the project: Strengthening tobacco control in four states through Capacity Building MPOWER implementation and monitoring & support to National Tobacco Control Programme
 Name of the principal investigator: Dr. Binod Kumar Patro
 Funding agency: Blomberg Initiative through PGIMER, Chandigarh
 Duration: 2 years, start year: 2018
 Funds: Rs.1406990
 IEC approval number: T/EMF/CM&FM/18/04
6. Title of the project: Strengthening the PHCs infrastructure in a tribal District of Odisha for screening of selective cancers (Cervical cancer, Breast Cancer and Oral cancer)
 Name of the principal investigator: Dr.Prajna P Giri
 Funding agency: ICMR
 Duration, start year: Mar 2020, 1 and half years
 Funds: 55, 61, 232
 IEC approval number: T/EMF/CM&FM/18/34

Collaborative Projects:

Completed:

1. Title of the project: Technical support to four Aspirational Districts (Kandhamal, Malakangiri, Bolangir, Koraput) of Odisha for improvement of priority indicators under health & nutrition theme of Aspirational District programme.
 Name of the principal investigator: Dr.Vikas Bhatia
 Funding agency: UNICEF
 Duration, start year: Nov2018-October 2020, 2 years
 Funds:Rs. 1,33,96,180
 IEC approval number: EMF/13/2018
2. Title of the project: Health status of New-borns discharged from SNCU and capacity building of the health care providers in cyclone FANI affected districts of Odisha
 Name of the principal investigator: Dr.Vikas Bhatia
 Funding agency: UNICEF
 Duration, start year: Six months, July 2019
 Funds:Rs 19,79,506/-
 IEC approval number: T/EMF/ CM & FM/ 19/ 06
3. Title of the project: Consumption pattern of food & food products/items high in fat, salt and sugar among selected cities/towns and rural population of India: ICMR task force multicentric study
 Name of the principal investigator: Dr.Vikas Bhatia
 Funding agency: ICMR
 Duration 2 years, start year: 2018-19
 Funds: Rs. 55 lacs
 IEC approval number: T/EMF/07/2018
4. Title of the project: Development of Health Related Quality of Life (EQ-5D-5L) values sets for India
 Name of the principal investigator: Dr. Binod Kumar Patro
 Funding agency: DHR, Govt of India
 Duration, start year: 2019
 Funds: Rs. Rs.799,750
 IEC approval number: T/EMF/CM&FM/18/13
5. Title of the project: Pattern morbidity and use of social security scheme among the steel plant workers in Angul district of Odisha

Name of the principal investigator: Dr.Prajna P Giri
 Funding agency: ICMR
 Duration six months, start year: May 2019
 Funds: 20,000
 IEC approval number: IEC/AIIMS BBSR/STS/2019-20/09

PUBLICATIONS

1. Chattopadhyay A, Sethi V, Nagargoje VP, Saraswat A, Surani N, Agarwal N, Bhatia V, et al: WASH practices and its association with nutritional status of adolescent girls in poverty pockets of eastern India. BMC Women's Health (2019) 19:89. PMID: 31277634
2. Bhatia V, Mahajan P, Parida SP, Bhattacharjee S, SahooSS: Challenges in Supervision, Monitoring, and Reporting in Anemia Programme Implementation in Odisha, India: A Qualitative Process Documentation. J Family Med Prim Care, 2019;8(4):1365-1369. PMID: 31143722
3. Sethi V, Bhanot A, Bhattacharjee S, Gope R, Sarangi D, Nath V, Nair N, Singh U, Daniel A, Parhi RN, Sinha S, Loomba A, Somya S, Purty A, Ali N, Mohapatra B, Agarwal N, Bhatia Vet al. Integrated multisectoral strategy to improve girls' and women's nutrition before conception, during pregnancy and after birth in India (Swabhimaan): protocol for a prospective, non-randomized controlled evaluation" BMJ Open 2019;9:e031632. PMID-31740469
4. Fulpagare PH, Saraswat A, Dinachandra K, Surani N, Parhi RN, Bhattacharjee S, Somya S, Purty A, Mohapatra B, Kejriwal N, Agrawal N, Bhatia V et al.: Antenatal Care Service Utilization among Adolescent Pregnant Women– Evidence from Swabhimaan Programme in India: Frontiers in Public Health, section Public Health Policy, Accepted for Publication, Nov 2019. PMID-31921737
5. Barman A, Mukherjee S, Sahoo J, Maiti R, Rao PB, Sinha MK, Sahoo D, Tripathy SK, Patro BK, Bag ND. Single Intra-articular Platelet-Rich Plasma Versus Corticosteroid Injections in the Treatment of Adhesive Capsulitis of the Shoulder: A Cohort Study. Am J Phys Med Rehabil. 2019;98(7):549-557.PMID: 30676339
6. Patra S, Patro BK. Affiliate stigma among parents of children with autism in eastern India. Asian J Psychiatr. 2019;44:45-47.PMID: 31315059
7. Patra S, Patro BK, Padhy SK. Symptom Recognition to Diagnosis: Pathway to Care for Autism in a Tertiary Care Medical Centre. J Neurosci Rural Pract. 2020;11(1):164-169.PMID: 32140022
8. Swain D., Parida SP., Jena, S.K. et al. Impact of community-based continuous Training on promoting birth preparedness and pregnancy outcome in rural Odisha, India: an interventional study. J Obstet Gynecol India (2019). <https://doi.org/10.1007/s13224-019-01255-x>. PMID: 31844367
9. Swain, D., Parida SP., Jena S.K. et al. Prevalence and risk factors of obstetric fistula: implementation of a need-based preventive action plan in a Southeastern rural community of India. BMC Women's Health 20, 40 (2020). PMID: 32131799
10. Misra P, Singh AK, Archana S, Lohiya A, Kant S. Relationship between body mass index and percentage of body fat, estimated by bio-electrical impedance among adult females in a rural community of North India: A cross-sectional study. J Postgrad Med. 2019;65(3):134–140. PMID: 31169130
11. Srivastava R, Kant S, Singh AK, Saxena R, Yadav K, Pandav CS. Effect of iron and folic acid tablet versus capsule formulation on treatment compliance and iron status among pregnant women: A randomized controlled trial. J Family Med Prim Care. 2019;8(2):378–384. PMID-30984642

PATIENT CARE / HOSPITAL SERVICES

The Department of CM&FM has been providing curative and preventive services through various clinics in the hospital and also through urban and rural health training centers. Currently, services are being provided through nine clinics/health centers.

Hospital Clinics (1st April 2019 to 31st March 2020)

• NCD clinic	: 11913
• Preventive Oncology Clinic	: 298
• Executive Health Checkup	: 372
• Yellow Fever Vaccination Clinic	: 1928
• Immunization Clinic	: 5778
• ARV Clinic	: 886
• ICTC	: 20,841
• DOTS Clinic	: 4310
• COVID-19 Screening OPD	: 463

(From 17th March 2020)

Out Reach Centres

• CHC Mendhasal	: 13002
• RHTC Tangi	: 20201
• UHTC Nayapalli	: 17664
Total	: 97,656

AWARDS / HONOURS / EVENTS / SIGNIFICANT EVENTS**Dr. Vikas Bhatia**

1. Awarded the prestigious Dr. K.N. Memorial Oration at 64th Annual National Conference of Indian Public Health Association (IPHACON) 2020 at AIIMS New Delhi in February 2020.
2. Received certificate of appreciation for contributing as Resource faculty for a series of Training of Trainer program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition from UNICEF Odisha.

Dr. Sonu Subba

1. Inducted into the Board of Studies for Masters in Public Health for Utkal University and attended the meeting of the same at Regional Medical Research Centre, Bhubaneswar on 13th January 2020
2. Organized sensitization workshop about sexual harassment in the workplace for newly joined nursing staff at AIIMS Bhubaneswar on 8th April 2019.
3. Member of the fact-finding committee for the Indian Public Health Association and prepared the final report on behalf of the committee at All India level in July 2019
4. Resource faculty in the workshop for Post Graduate students on reference writing and software for reference management at AIIMS Bhubaneswar on 16th September 2019.
5. Invited to write an article on "Social Psychiatry in Digital Age" for the conference souvenir of the 26th National Conference of Indian Association of Social Psychiatry in October 2019
6. Organized a sensitization workshop for frontline workers on "Breast cancer screening" during the 3rd Asian Society of Mastology Conference 2019 at AIIMS Bhubaneswar on 15th November 2019.
7. Organized the Indian Association of Preventive and Social Medicine Odisha State Branch (IAPSM-OSB) conference at AIIMS Bhubaneswar from 11th January to 12th January 2020 and chaired a scientific session.

Dr. Binod Kumar Patro

1. Selected as a member of 13th Common Review Mission of National Health Mission, Ministry of Health & Family Welfare.
2. Technical Expert for Evaluation of Population-based Cancer Registry by the National Centre for Disease Informatics and Research (NCDIR), Indian Council of Medical Research (ICMR) at Bengaluru from 30th September to 1st October 2019.
3. Resource person for Regional Training on Monitoring Survey of Cancer Risk Factors and Health System Research Response in North East Region at Guwahati from 3rd December to 5th December 2019.
4. Organized Regional level capacity building workshop on National Tobacco Control Programme (NTCP) for Key Stakeholders/Programme Implementers of NTCP from 25th April to 27th April 2019 at Bhubaneswar Odisha.
5. Organizing Secretary 38th Indian Association of Preventive and Social Medicine Odisha State Branch, at AIIMS Bhubaneswar from 11th January to 12th January 2020

Dr. Swayam Pragyan Parida

1. Received certificate of appreciation for contributing as Resource faculty for a series of Training of Trainer program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition from UNICEF Odisha.
2. Organized two Media workshops on Public Health Nutrition on 26th July 2019 and 12th January 2020.
3. Organized 38th Annual Conference of Indian Association of Preventive & Social Medicine (IAPSM), Odisha at AIIMS Bhubaneswar from 11th January to 12th January 2020 as Joint Organizing Secretary.
4. Organized 1st National Symposium on Education & Practice at AIIMS Bhubaneswar from 11th November to 12th November 2019
5. Resource person for the fellowship in Public Health Nutrition and contributed in development of the course guideline and the curriculum as well as modules for the fellowship programme.

Dr Binod Kumar Behera

1. Resource person for Training of Trainers for the Project JibanSampark: A Health & Nutrition project for Particularly vulnerable Tribal Groups at AIIMS Bhubaneswar on 30th April 2019, 2nd August 2019, 16th October 2019, 13th December 2019, 17th January and 28th January 2020
2. Resource person for Epidemic Management Training Program of medical officers for the newly joined medical officer at AIIMS Bhubaneswar on 25th July 2019
3. Resource person for public awareness lecture for celebrating World Breastfeeding Week at UHTC Nayapalli, Bhubaneswar on 5th August 2019.
4. Resource person for Basic Research Methodology Course for newly joined Postgraduate Residents (MD/MS/MDS/DM/MCh) for July 2019 & January 2020 Session and delivered lecture "Observational study design" on 12th September 2019.
5. Organized and participated as a resource person for public awareness lecture on Menopause on 29th October 2019, AIDS on 2nd December 2019 & on World birth defect Day on 3rd March 2020 at AIIMS Bhubaneswar
6. Resource person in pre-conference workshop "Computer-assisted personal interview" in Indian Association of Preventive & Social Medicine (IAPSM), conference Odisha state branch on 11th January 2020 at AIIMS Bhubaneswar
7. Resource person for CME on Pre-Conception and Pre-Natal Diagnostic Techniques (PCPNDT) Act at AIIMS Bhubaneswar on 23rd February 2020.
8. Team member of Mega health camp at Balasore satellite center on 14th July 2019.
9. Organized Media workshop on Public Health Nutrition at AIIMS Bhubaneswar on 26th July 2019.
10. Organized 1st National Symposium on Education and Practice in Community Medicine at AIIMS Bhubaneswar from 11th November to 12th November 2019.
11. Resource person for the fellowship in Public Health Nutrition and contributed in development of the course guideline and the curriculum as well as modules for the fellowship programme.

Dr. Arvind Kumar Singh

1. Awarded full AIDS Society of India scholarship to attend AIDS Society of India Conference, Chennai held from 22nd November to 24th November 2019.
2. Organized Indian Association of Preventive & Social Medicine (IAPSM) Odisha State Conference at AIIMS Bhubaneswar from 11th January to 12th January 2020.
3. Resource person and trainer in AIIMS Verbal Autopsy Network at Regional Census office, Bhubaneswar from 5th October to 6th October 2019.

Dr. Manish Taywade

1. Received certificate of appreciation for contributing as Resource faculty for a series of Training of Trainer program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition from UNICEF Odisha.
2. Resource faculty for a series of Training of Trainer (ToT) program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition for various Govt. & civil society participants from 30th April to 1st May 2019, from 1st August to 3rd August 2019, from 15th October to 17th October 2019, from 12th December to 14th December 2019, from 16th January to 18th January 2020 and from 27th January to 29th January 2020. Also Contributed to the development of six thematic modules for Jiban Sampark ToTs.
3. Organized & participated as a Resource Person in the Epidemic Management Training Program in the department of CMFM at AIIMS Bhubaneswar on 26th July 2019, 29th November 2019 and 7th February 2020.
4. Nominated under peer assessment National Institute of TB & Respiratory Diseases (NITRD) at New Delhi on 28th November 2019
5. Participated as a member of organizing Team for State Chapter of Indian Association of Preventive & Social Medicine (IAPSM) Conference at AIIMS Bhubaneswar from 11th January to 12th January 2020.
6. Organized Breastfeeding week in Godibari village under Kantabada Subcentre under field practice area in the first week of August 2019 & Road Safety Week on 17th January 2020 at Rural Health Training Centre (RHTC) Mendhasala.
7. Organized Health camp in RHTC Mendhashala on the occasion of the 7th Foundation day of AIIMS Bhubaneswar on 15th July 2019.
8. Resource person for Interns' Training on "Communication for patient safety" at AIIMS Bhubaneswar on 29th May, 31st July & 31st October 2019

Dr. Prajna Paramita Giri

1. Invited as the nodal person for "Podoconiosis mapping and workshop" at Amrita Institute of Medical Sciences, Kochi from 10th December to 11th December 2019.
2. Received certificate of appreciation for contributing as Resource faculty and organizing member for series of Training of Trainer (ToT) program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition from UNICEF Odisha.
3. Organized and participated as Resource faculty for a series of ToT program for Jiban Sampark for Particularly Vulnerable Tribal Groups in strengthening their health and nutrition for various Govt. & civil society participants from 30th April to 1st May 2019, from 1st August to 3rd August 2019, from 15th October to 17th October 2019, from 12th December to 14th December 2019, from 16th January to 18th January 2020 and from 27th January to 29th January 2020.
4. Resource Person for Public lecture on Iodine Deficiency disorder at AIIMS Bhubaneswar on 29th May 2019.
5. Organized 1st National Symposium on Education & Practice in Community Medicine" held in AIIMS, Bhubaneswar from 11th November to 12th November 2019 and presented a paper (Oral) titled "Technical support and capacity building in strengthening the health & nutrition services for Particularly Vulnerable Tribal Groups (PVTGs) in Odisha" in the category "Innovation and good practices".
6. Organized and contributed as a resource person in the workshop for Health worker (Female) / ANM of urban Bhubaneswar on "Clinical examination, screening & Prevention of Breast cancer" in the ASOMA conference at AIIMS Bhubaneswar on 15th November 2019.
7. Member of organizing team for the "38th Indian Association of Preventive & Social Medicine Conference (Odisha State Branch)- IAPSMCON-OSB 2020" organized by the Department of Community Medicine & Family Medicine, AIIMS, Bhubaneswar from 11th January to 12th January 2020.
8. Organized Breastfeeding week in Urban Health & Training Centre, Nayapalli and delivered a talk on Breastfeeding in Nayapalli, Bhubaneswar and in a public lecture at AIIMS, Bhubaneswar OPD foyer in August 2019.

Residents

Junior Residents of the department won accolades in paper presentations and quiz competitions during conferences.

1. Dr Susmita Dora and Dr Pradnya d Chandanshive won Dr G K Parida Public Health Quiz at 38th Annual Indian Association of Preventive and Social Medicine Conference Odisha State Branch (IAPSMCON OSB) 2020, AIIMS, Bhubaneswar
2. Dr Susmita Dora was the winner of oral paper presentation at 38th Annual Indian Association of Preventive and Social Medicine Conference (Odisha State Branch) 2020, AIIMS, Bhubaneswar on the topic- "Inventory Management of Drugs at a Secondary Level Healthcare Center in Odisha"
3. Dr G Susmita Dora and Dr Arabinda won Dr Deoki Nandan Memorial Public Health Quiz "Quest" at the 64th Annual National Indian Public Health Association Conference 2020 at AIIMS, New Delhi.
4. Dr G Susmita Dora won second prize for oral paper presentation at the 64th Annual National Indian Public Health Association Conference 2020 at AIIMS, New Delhi on topic- "Evaluating the Effectiveness of a Structured Training Manual in detecting children with Developmental Delays in a rural setting of Odisha: A Cluster Randomized Trial".



National symposium on Education and Practice in Community Medicine, AIIMS Bhubaneswar held on 11th and 12th November 2019



38th Indian Association of Preventive and Social Medicine Odisha State, Branch, AIIMS Bhubaneswar held on 11th and 12th January 2020



Dr. K.N. Memorial Oration at 64th Annual National Conference of Indian Public Health Association-IPHACON 2020, AIIMS New Delhi by Prof Vikas Bhatia



Central Public Health Team member of Central Team to assist State Health Department in COVID-19 Management in Odisha



Induction training programs for Epidemic Management Training Program for Medical Officers of Odisha Public Service Commission, Govt. of Odisha



Junior residents won first prize in quiz in IPHACON 2020, New Delhi

The image features a minimalist design with several overlapping, curved shapes in various shades of blue (from light to dark) on the left side. A prominent white line curves from the top left towards the center. The background is plain white. The word "DENTISTRY" is centered in the right half of the image.

DENTISTRY

DENTISTRY

FACULTY

Dr. Ashok Kumar Jena
Additional Professor

Dr. Samapika Routray
Assistant Professor

Dr. Jitendra Sharan
Assistant Professor

HIGHLIGHTS

The department is routinely involved in teaching, patient care, research and various other institute activities. It has started postgraduate teaching program (MDS) in Orthodontics and Dentofacial Orthopedics in January 2019. The department provides various speciality dental services to the patients. The cone beam computed tomography (CBCT) machine has been installed and routinely used for various diagnostic and research purposes. In addition to routine research activities, the faculty are involved in guiding the postgraduate students for ICMR-STS projects. Currently various intra-mural and extra-mural projects are going on in the department. The research outputs of the department are published in various national and international journals.

EDUCATION

The department is actively involved in the MBBS and postgraduate dental teaching programs. In addition to the routine chair-side education, daily post-graduate teaching program involves case discussion, seminar, journal club and post-treatment critical evaluation of the cases. The department is regularly conducting departmental research activities by residents and faculties.

The department is having academic activity on a daily basis. Various academic activities like case presentation, seminar, journal club, Departmental Research Activity/ Post Treatment Critical Evaluation of in progress or, completed cases are carried out.

CONFERENCES/CME/WORKSHOPS ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Jitendra Sharan

1. Attended workshop "Effective Medical Literature Search" on 26th April, 2019 at AIIMS Bhubaneswar.
2. Attended and presented a paper "Soft tissue integration with biochemically modified grade V titanium alloy" in Oral Health Innovation Conference 2019" on 16th September, 2019 at AIIMS-New Delhi.
3. Attended and chaired a scientific session in 54th Indian Orthodontic Conference, 22th-24th November, 2019 at Siksha 'O' Anusandhan University, Bhubaneswar.
4. Attended workshop "Comprehensive course in Infra Zygomatic Creat and Buccal Shelf Screw Anchorage" on 24th-25th February, 2020 at Vishakhapatnam.

Dr. Samapika Routray

1. Attended workshop "Application of Biostatistics in Clinical Research" on 22th-25th April, 2019 at AIIMS, Bhubaneswar.
2. Attended workshop "Effective Medical Literature Search" on 27th April, 2019 at AIIMS Bhubaneswar.
3. Attended, chaired a scientific session and presented a scientific paper "Understanding the submucosal modulation in Oral sub mucous fibrosis patients treated with intralesional injections by means of IHC markers: A pilot study" in XVIII National Indian Association of Oral and Maxillofacial Pathologist Post graduate Convention 2019, 13th-14th July, 2019 at KIIT University, Bhubaneswar.
4. Attended a CME session "Current trends in Cancer Proteomics" on 7th September, 2019 at AIIMS, Bhubaneswar.
5. Attended and presented a scientific paper "Oral metabolome- Oral cancer cell: whats our stance in this unexplored arena!" in XXVIII National Indian Association of Oral and Maxillofacial Pathologist National conference 2019, 1st-3rd November, 2019 at Kovalam, Thiruvanthapuram.
6. Delivered a guest lecture on "Oral health issues due to tobacco use" in the training program for nurses on "Management of substance use disorders", 21st -27th October, 2019 at Mini-auditorium, Nursing College, AIIMS, Bhubaneswar.

Dr. Ashok Kumar Jena

1. Attended 54th Indian Orthodontic Conference, 22nd-24th November, 2019 at Siksha 'O' Anusandhan University, Bhubaneswar.
2. Delivered a guest lecture on "Oral health issues due to tobacco use" in the training program for nurses on "Management of substance use disorders", 2nd -8th February, 2020 at Mini-auditorium, Nursing College, AIIMS, Bhubaneswar.
3. Delivered three guest lectures "Anomalies of growth with special emphasis on Cleft lip and palate-team management and treatment protocols", "Removable functional appliances-Basic philosophy, mechanism of action, working principles

and clinical manipulations”, “Phase-II of pre-adjusted appliance treatment-Space closure-Biomechanics of friction and frictionless mechanics” and conducted a hands-on course “Intrusion in orthodontics” in “A to Z in Orthodontics”, 6th-9th January, 2020 at Trivandrum, Kerala.

- Delivered a guest lecture “Bonding technique in MBT technique” and conducted hands-on course “Utility arches” in “National Integrated Typodont Workshop-2019”, 3rd-5th September, 2019 at Institute of Dental Sciences, Siksha ‘O’ Anusandhan University, Bhubaneswar.
- Delivered a guest lecture “Upper airway imaging and cephalometric analysis” in Dental Sleep Medicine Workshop in Sleepcon-2019, 19th-21th April, 2019 at India Habitat Centre, New Delhi.

RESEARCH

Funded Projects:

Ongoing:

- Title of the project: Evaluation of Microbial Contamination on Mobile phones used in the Hospital Environment and Efficacy of Two Different Antiseptics in Preventing the Microbial Colonization.
Name of the principal investigator: Dr. Anusuya V
Funding agency: AIIMS, Bhubaneswar.
Duration, start year: 6 months (2019)
Funds: Rs. 20,000.00
IEC approval number: T/IMF/P.S/Student/2019-20/06
- Title of the project: Sealing efficacy of over the counter desensitizing dentifrices on dentinal tubules: an invitro comparative study.
Name of the Principal investigator: Dr Jitendra Sharan
Funding agency: AIIMS, Bhubaneswar.
Duration, Start year: 2 years, 2019
Funds: Rs.1,85,000.00
IEC approval number: IMF/36/2018
- Title of the project: Health care access model for detection of oral potentially malignant disorders in tribal settings of Odisha.
Name of the principal investigator: Dr Samapika Routray
Funding agency: Indian Council of Medical Research
Duration, start year: 2 years, 2019
Funds: Rs.30,00,000.00
IEC approval number: EMF/07/2019

PUBLICATIONS

- Routray S, Adhya A, John J, Dikhit P. Revealing a rare inflammatory oral manifestation in a 6-year-old child. *BMJ Case Reports* 2019;12:e229483. PMID: 31340944 PMCID: PMC6663152
- Anusuya V, Sharan J, Jena AK. A study of cervical vertebra anomalies among individuals with different sagittal and vertical facial growth patterns. *J Craniovert Jun Spine* 2020;11:75-80. PMID: 32904940 PMCID: PMC7462128
- Jena AK, Mohapatra M, Sharan J, Patro BK. Temporary deterioration of oral health-related quality of life (OHRQoL) in nonextraction and extraction modalities of comprehensive orthodontic treatment in adolescents. *Angle Orthod* 2020;90:578-586. PMID: 32108491

Book chapter

- Anusuya V, Jena AK, Sharan J. Grape seed extraction in dental therapy. In. *Natural Oral Care in Dental Therapy*. Editors Chauhan DN, Singh PR, Shah K, Chauhan NS. pp. 219-258. 1st edition, 2020. Wiley/Scrivener Publishing LLC.

PATIENT CARE / HOSPITAL SERVICES

Total no. of patients visited the department for consultation were 13,265; for orthodontic intervention 2,414; for tooth extraction 2,938, for restoration and endodontics 688, for prosthodontics 31; for minor surgical intervention 398; for major surgical intervention under general anaesthesia 130; TMJ clinic 90, for oral precancerous lesions 561, and dental radiographs 5840.

The department runs special clinic ‘Orthodontic Clinic’ on every Monday afternoon.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Samapika Routray completed ‘Doctor of Philosophy’ on the topic “Identification and Assessment of candidate biomarkers in early detection and progression of Oral squamous cell carcinoma” from Siksha ‘O’ Anusandhan University, Bhubaneswar in 2019.



DERMATOLOGY
& VENEREOLOGY

DERMATOLOGY AND VENEREOLOGY

FACULTY

Dr. Aparna Palit
Professor

Dr. Chandra Sekhar Sirka
Additional Professor

Dr. Biswanath Behera
Assistant Professor

HIGHLIGHTS

The Department of Dermatology and Venereology has in-patient bed strength of 42. Postgraduate course has been started since July 2018 and at present five students are pursuing their MD course. The department is actively involved in postgraduate, undergraduate, and B.Sc. (Nursing) teaching and research. Presently four MD dissertations and two funded research projects are ongoing. A dermatological side-laboratory has been established in the department for postgraduate teaching and patient care. Radiofrequency and iontophoresis machines have been installed in the outpatient department. Day-care services for patients with autoimmune bullous disorders have been established. Groundwork for establishment of 'phototherapy and laser unit' has been initiated in 2019 and the facilities are on the way in near future. One CME (Dermatotherapeutics part II, biological therapy) was conducted with invited guest speakers from across India. "World Vitiligo Day" and "World Leprosy Day" were observed by the department along with public awareness programme through role play, short talks, essay writing and poster painting by the undergraduate students.

EDUCATION

The departmental faculties are actively involved in postgraduate (MD), undergraduate (MBBS) and B.Sc. (Nursing) teaching. Theory lecture classes and bed-side clinics are being conducted for the undergraduate students according to the AIIMS, Bhubaneswar teaching curriculum and they are being evaluated regularly at the end of clinical posting. Seminars, Journal Clubs, Short Tutorials, clinical bed-side teaching and inter-departmental lectures are being conducted for the postgraduate students. Dermatopathology teaching and clinic-pathological correlation sessions are being conducted monthly in association with the department of pathology.

CONFERENCES/CME/WORKSHOPS ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Prof (Dr.) Aparna Palit

1. Attended PG-CON, East Zone conference, on 11th August, 2019 at Cuttack (Odisha) and delivered guest lecture; Title: "Management of Acute Skin Failure"
2. Attended CME on Paediatric Dermatology by IADVL-SIG, on 1st December, 2019 at Kolkata.
Presented paper Title: "A pretty blue-eyed girl with congenital deafness" (awarded 1st prize in the 'interesting cases in clinical practice' section).
Participated as panellist in panel discussion on "Paediatric sexually transmitted infections"
3. Attended National Conference of the Indian Association of Dermatologists, Venereologists and Leprologists (IADVL), from 29th January to 2nd February, 2020 at Pune. Delivered guest lecture; Title : "Paediatric Alopecia".
Participated as panellist in panel discussion on "Recent advances in the management of androgenetic alopecia"
4. Attended CME on 'Controversies in Dermatology' by the Indian Association of Dermatologists, Venereologists and Leprologists-Special Interest Group (IADVL-SIG), on 23rd February, 2020 at Sambalpur.
Delivered guest lecture; Title: "Should topical corticosteroids be totally replaced by topical calcineurin inhibitors?"

Dr. Chandra Sekhar Sirka

1. Attended 26th Derma Zone + Cuticon Odisha 2019 conference, from 8th to 10th November 2019 at Rourkela, Odisha and delivered guest lecture titled : "How I approach Erythema Nodosum Leprosum".
2. Attended Cuticon Bihar 2019 conference, from 15th to 16th November 2019 at Deoghar, Bihar.
Delivered guest lecture titled: "Challenges in superficial dermatophytosis".

Dr. Biswanath Behera

1. Attended Mid Dermacon conference, from August 23rd to 25th, 2019, at Patna, Bihar.
Participated as Moderator in : Panel discussion on Vasculitis".

2. Attended PGCON conference, from 10th to 11th August 2019 at Cuttack, Odisha.
Presented paper Titled "Histopathology slide discussion".
3. Attended Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India from 15th to 17th November 2019 at Delhi, and presented a slide in "Glass slide challenge"
4. Attended Dermacon 2020 conference, from 30th January to 2nd February 2020 at Pune, and participated as Panellist in "Panel discussion on Dermoscopy".
5. Attended CME on vitiligo on 23rd June 2019 at Rourkela (Odisha),
Delivered guest lecture; Title "Medical management of Vitiligo".
6. Attended "CME on Recalcitrant Dermatophytosis" on 1st December 2019 at Bhubaneswar (Odisha),
Delivered guest lecture; Title "Combination of oral antifungals: an evidence-based approach".

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: "The correlation of antidesmoglein and antimuscarinic acetylcholine receptor antibody titers with pemphigus disease activity at baseline and following phase-I and II of pulse therapy".
Name of the principal investigator: Dr. Biswanath Behera
Funding agency: AIIMS, Bhubaneswar
Duration, start year : 2 years, 2018
Funds: Rs. 2, 20000.
IEC approval number : IMF/31/2018

Completed:

1. Title of the project : Relapse of superficial fungal infection in healthy individuals.
Name of the principal investigator- Dr. Chandra Sekhar Sirka
Funding agency: AIIMS Bhubaneswar (intramural)
Duration, start year : 1 year, June 2017
Funds: Rs.3,00,000/-
IEC approval number : IEC-T/IM-F/DERMA/15/25

Departmental:

Ongoing:

1. Title of the project: "Outcome in vesico-bullous and SJS/TEN patients that used autoclaved banana leaf spread on bed as a skin care measure at Dermatology ward: A retrospective, cross-sectional and observational study".
Name of the principal investigator : Dr. Chandra Sekhar Sirka
Funding agency : NA
Duration, start year: 1 year, 2019
Funds: Nil
IEC approval number: T/IM-NF/Derma/18/74
2. Title of the project: "Differences in dermoscopic features of cutaneous lesions between polarized and non-polarized dermoscopy".
Name of the principal investigator: Dr. Biswanath Behera
Funding agency: NA
Duration, start year: 2 year, 2020
Funds: Nil
IEC approval number: T/IM-NF/Derma/20/98
Research projects of students (thesis) belonging to the department_

Ongoing:

1. Title of the project: "A cross-sectional study to determine correlation between clinico-pathological findings and serum complement (c3, c4) levels in patients with cutaneous small vessel vasculitis."
Name of the principal investigator: Dr. Aparna Palit
Funding agency: NA
Duration, start year: 2 year, June 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/25

2. Title of the project: "Effect of oral Itraconazole and topical luliconazole combination therapy in treatment of recurrent dermatophytosis: A prospective observational study."
Name of the principal investigator: Dr. Chandra Sekhar Sirka
Funding agency : NA
Duration, start year : 2 year, 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/31
3. Title of the project: "Effect of oral Itraconazole and topical Luliconazole verses Oral Terbinafine and topical Luliconazole in Recurrent dermatophytosis: A randomized control trail".
Name of the principal investigator: Dr. Chandra Sekhar Sirka
Funding agency : NA
Duration, start year : 2 year, 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/87
4. Title of the project: "Comparison of clinico- histopathological characteristics of salt and pepper pigmentation in systemic sclerosis and vitiligo - A prospective controlled study".
Name of the principal investigator : Dr. Biswanath Behera
Funding agency: NA
Duration, start year : 2 years, 2020
Funds: Nil
IEC approval number : IEC/AIIMS BBSR/PG Thesis/2020-21/31

Ongoing:

1. Title of the project: "Assessment of T-regulatory cells in progressive and stable vitiligo".
Name of the Guide : Dr. Biswanath Behera
Funding agency: NA
Duration, start year : 2 years, 2020
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG THESIS/2020-21/53

PUBLICATIONS

1. Palit A, Kar HK. Prevention of transmission of Leprosy : The current scenario. *Indian J Dermatol Venereol Leprol.* 2020;86:115-23. PMID: 31975697
2. Sahu K, Sirka CS, Pradhan S, Rout AN, Nayak S. Annular pattern of pustular vasculitis: A case report of unusual morphological presentation. *Indian Dermatol Online J.* 2020;11:232-4. PMID: 32477987 PMCID: PMC7247651
3. Sirka CS, Sahu K, Rout AN. Dyschromatosis universalis hereditaria with hypospadias: A rare association. *Indian Dermatol Online J.* 2020;11:243-5. PMID: 32477990 PMCID: PMC7247646
4. Sirka CS, Rout AN, Sahu K. Linear papular pyogenic granuloma: An unusual presentation. *Indian J Dermatol Venereol Leprol.* 2020;86:197-9. PMID: 31929230
5. Sahu K, Sirka CS, Pradhan S, Rout AN. Co-occurrence of symmetrical drug-related intertriginous and flexural exanthema (SDRIFE) and pigmented Fixed drug eruption (FDE) in a single patient due to Doxycycline: A case report. *Indian Dermatol Online J.* 2020;11:62-4. PMID: 32055511 PMCID: PMC7001400
6. Sahoo S, Sirka CS, DasMajumdar S, Mohapatra P. Gefitinib-induced pyogenic granuloma in a patient with lung cancer. *Lung India; Mumbai.* 2020;Vol. 37, Iss. 1, : 71-72. PMID: 31898626 PMCID: PMC6961093
7. Sirka C S, Sahu K, Pradhan S, Rout AN. Sorafenib-induced grade III hand-foot skin reaction with ulcerative dermatitis on scrotum, penis, and earlobe. *Indian Journal of Dermatology, Venereology and Leprology; Vellore.* 2019; 85: 623-626. PMID: 31584016
8. Rout AN, Sahu K, Sirka CS. Chromoblastomycosis with a sporotrichoid distribution. *Indian J Dermatol Venereol Leprol.* 2019;85:506-8. PMID: 31368452
9. Sirka CS, Pradhan S, Patra S, Padhi S, DasMajumdar SK, Panda D. Hemophagocytic lymphohistiocytosis: A rare, potentially fatal complication in subcutaneous panniculitis like T cell lymphoma. *Indian J Dermatol Venereol Leprol.* 2019;85:481-5. PMID: 30289114
10. Sirka CS, Sahu K, Pradhan S, Naik S. Penile Horn: A Rare Presentation of Pseudoepitheliomatous, Keratotic, and Micaceous Balanitis Successfully Treated with Oral Acitretin. *Indian Dermatol Online J.* 2019;10(4):460-462. doi:10.4103/idoj.IDOJ_305_18. PMID: 31334071 PMCID: PMC6615373

11. Sirka CS, Dash G, Pradhan S, Naik S, Rout AN, Sahu K. Cutaneous Botryomycosis in Immunocompetent Patients: A Case Series. *Indian Dermatol Online J.* 2019;10(3):311–315. doi:10.4103/idoj.IDOJ_370_18. PMID: 31149580 PMCID: PMC6536053
12. Sirka CS, Dash G, Pradhan S, Baisakh M. Cutaneous Rhinosporidiosis Presenting as Cutaneous Horn and Verrucous Plaque. *Indian Dermatol Online J.* 2019;10(2):178–179. doi:10.4103/idoj.IDOJ_106_18 PMID: 30984597 PMCID: PMC6434746
13. Sirka CS, Pradhan S. Clinical Diagnosis of Herpes Simplex-Infected Pemphigus Erosions. *Skinmed.* 2019;17(2):96-98. PMID: 31145058
14. Palit A, Sethy M, Nayak AK, Ayyanar P, Behera B. Granulosis rubra nasi seen through the dermatoscope. *JAAD Case Rep.* 2020;6:234-6. PMID: 32140525 PMCID: PMC7044648

PATIENT CARE / HOSPITAL SERVICES

On an average, 250- 300 patients / day are getting specialist services in the OPD. At present, afternoon special clinics on Leprosy, Paediatric dermatology and Mycology are being conducted. In 2019-2020, total 67 patients with pemphigus have been treated under day-care services. Total 1356 diagnostic biopsies and 1465 dermatosurgical procedures were conducted in the minor OT. The department has started patch testing for the patients with contact dermatitis. Departmental SOP on safe use of immunosuppressive drugs has been established. A computerized patient record-keeping system has been started.

VISITING SCIENTISTS: None

AWARDS, HONORS & SIGNIFICANT EVENTS

1. "Best Reviewer award" received by Dr. Aparna Palit awarded by the Editorial Board of the Journal "Pigment International" 19th October, 2019.
2. "Best Case report award" received by Dr. Chandra.Sekhar Sirka:-
 - Sirka CS, Pradhan S, Patra S, Padhi S, Das Mujumdar S, Panda D. Hemophagocytic lymphohistiocytosis : A rare, potentially fatal complication in subcutaneous panniculitis like T cell lymphoma. *Indian J Dermatol Venereol Leprol.* 2019;85:481.
 - Pradhan S, Sirka CS, Rout AN, Dash G, Sahu K. Acute methotrexate toxicity due to overdosing in psoriasis: A series of seven cases. *Indian dermatol online J.* 2019;10:64.
3. Dr. Biswanath Behera was awarded 2nd prize for both "Image of the month 2019 session", and "Mid-month mind bender for 2019 session" during Annual Meeting of the Asian Society of Dermatopathology and Annual Meeting of the Dermatopathology Society of India.



ENDOCRINOLOGY
& METABOLISM

ENDOCRINOLOGY & METABOLISM

FACULTY

Dr Kishore Kumar Behera
Associate Professor

HIGHLIGHTS

Endocrinology department is actively involved in the field of patient care, special service like thyroid and pituitary clinics twice weekly and endocrine and diabetic OPD twice weekly. Department of endocrinology with collaboration with CM & FM and Nuclear medicine every year involved in arranging public lecture and CME for both patients and the staff and faculty respectively.

The department is actively involved as a co-investigator with many allied departments. Our department is actively involved with regular academics and bed side teaching with the residents and research in the field of endocrinology.

EDUCATION

At present department is actively involved in in door, outdoor and inter departmental consultation along with teaching and journal clubs with our non-academic registrar.

RESEARCH

Completed

1. Title of the project. - Effect of 25 (OH) Vitamin-D supplementation on the thyroid autoantibody titer and thyroid function test patients with autoimmune thyroid disease in costal Odisha

Funded AIIMS Bhubaneswar Start year 2017; Duration: 2 years Rs-2,95,700; T/IM-F/17-18/4.

Collaborative projects: nil

PUBLICATIONS

1. Behera KK, Agrawal K, Adhya AK. Graves' Disease with Pancytopenia and Hepatic Dysfunction: A Rare Case Presentation. Indian J Nucl Med. 2019;34(1):38–41. doi:10.4103/ijnm.IJNM_134_18; PMID: PMC6352650
2. Agrawal K, Sradha Patro PS, Behera KK. Graves' Disease in Eutopic Thyroid with Ectopic Mediastinal Thyroid Tissue: Role of Single Photon Emission Computed Tomography-Computed Tomography. Indian J Nucl Med. 2019;34(3):230–232. doi:10.4103/ijnm.IJNM_64_19; PMID: PMC6593940

PATIENT CARE / HOSPITAL SERVICES

Endocrinology department is actively involved in patient care in the form of OPD, IPD and interdepartmental consultation; special OPD service like thyroid and pituitary clinics twice weekly and endocrine and diabetic OPD twice weekly.

Department is actively involved in arranging patient's awareness in diabetes and thyroid disorder twice yearly during world diabetes day and thyroid day.

As a single faculty with the help and support from higher authority, superintendent as a mentor for our department and my senior resident and supporting staff; we are able to provide quality service to the patient. Our department is actively involved with regular academics and bed side teaching with the residents and research in the field of endocrinology.



ENT

ENT

FACULTY

Dr. Pradipta Kumar Parida
Additional Professor & Head

Dr. Saurav Sarkar
Associate Professor

Dr. Dillip Kumar Samal
Assistant Professor

Dr. C. Preetam
Additional Professor

Dr. Pradeep Pradhan
Associate Professor

HIGHLIGHTS

The Department of ENT came to existence from February, 2013. It has been involved in postgraduate (MS), undergraduate (MBBS) B. Sc (Nursing) teaching. All 5 faculties have been actively participating in teaching theory, clinical and bed side classes to the MBBS and the nursing students. The department has successfully completed more than 100 cochlear implant surgeries and is empanelled under national ADIP and RBSK programme. The Department has been actively adopted the revised UG (MBBS) and PG curriculum in ENT. The Department of ENT conducted its first Post-Graduation Summative (Final) Examination according to the revised PG curriculum. The different faculties of the Department have been Nominated as subject expert for Diplamate of National Board of Examination, New Delhi and worked as external expert for evaluation of PG dissertations and examiner for DNB examination.

EDUCATION

The faculties in the Department are actively involved in teaching of postgraduate (MS), undergraduate (MBBS) and B.Sc Nursing students. The postgraduate programme (MS) was started in, January 2017. At present 9 postgraduate students are there in the department of ENT and 9 MS dissertation research projects are going on in the department.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Pradipta Kumar Parida

1. Participated in World Thyroid Day celebration on 25th May held at AIIMS BBSR and delivered a talk on "Evaluation and Management of cancers of thyroid".
2. Delivered public awareness talk on "Rehabilitation of persons with impaired hearing" on the occasion of celebration of World Hearing Day on 3rd March 2020.
3. Attended the 28th annual conference of the Indian society of Otology organized by Indian society of Otology from 15th-17th November 2019 at Kolkata. The thesis titled "Role of platelet rich plasma in temporalis fascia myringoplasty" guided by me was presented.
4. Attended the CIGICON-2019, The 17th annual conference of the Cochlear Implant Group of India held in Mumbai, from 11th -13th October 2019.
5. Attended the Medical Education Conference and Workshop 2020, held at AIIMS Bhubaneswar, Odisha from 23rd -25th January 2020.

Dr. C. Preetam

1. Presented international symposium at annual meeting of American Academy of Otolaryngology and Head and Neck Surgery, 2019, September 15th-18th, 2019 at New Orleans, LA, USA.
Panelist: Inner ear malformations: Understanding, simplifying and developing a protocol
Moderator: Pediatric airway stenosis: What to expect and how to treat
2. Invited speaker and panelist at 5th world congress on Cochlear implants in emerging nations held on October 9th-11th at Cairo, Egypt. (Topic: Invited lecture: Malformations, past and present simplified, panelist in panel discussion on Complications and failures: Dealing with them)
3. Guest faculty and panelist, Bhubaneswar cadaver course 2019 (Oculoplasty hands-on workshop) conducted by LV Prasad eye institute, MTC campus, Bhubaneswar, on 7th & 8th December 2019.

Dr. Saurav Sarkar

1. Attended the "Association of Medical educators in Europe (AMEE)" held at Vienna Austria from 24th to 28th August 2019.
2. Attended the Medical Education Conference and Workshop 2020, held at AIIMS Bhubaneswar, Odisha from 23rd -25th January 2020.

Dr. Pradeep Pradhan

1. Delivered public awareness talk on "Rehabilitation of persons with impaired hearing" on the occasion of celebration of World Hearing Day on 3rd March 2020.
2. Attended the 28th annual conference of the Indian society of Otolaryngology organized by Indian society of Otolaryngology from 15th-17th November 2019 at Kolkata and presented a poster entitled "Adipose tissue sealing in endoscopic stapedotomy" and presented paper entitled 'Comparison of adipose tissue and gelfoam seal in endoscopic stapedotomy'.
3. Attended as guest faculty in 3rd annual live surgical & Hand-on Soft Cadaveric Dissection course on Rhinoplasty & Facial Plastics on 12th-13th December 2019, held at Department of Otorhinolaryngology and Department of Anatomy, All India Institute of Medical Sciences, Jodhpur,
4. Attended the Master class Live surgery workshop and moderate a rhinoplasty session held on 19th January 2020 at IMS & SUM Hospital, Bhubaneswar.

Dr. Dillip Kumar Samal

1. Delivered public awareness talk on "Rehabilitation of persons with impaired hearing" on the occasion of celebration of World Hearing Day on 3rd March 2020.
2. Attended the Master class Live surgery workshop held on 19th January 2020 at IMS & SUM Hospital, Bhubaneswar.
3. Attended the 9th Foundation of Head and Neck Oncology' FHNO-2019 Conference, from 11th to 13th October 2019 held at Chennai and presented a paper entitled "Proptosis as the first manifestation of Renal Cell Carcinoma: A case report.

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

1. Title of the project. Prevalence of etiology of hearing impairment in rural tribal regions of Odisha
Name of the principal investigator: Dr. C. Preetam
Funding agency: Indian Council of Medical Research
Duration, start year: 3 year, 2019: Funds: Rs. 41, 04, 520.00
IEC approval number: T/EMF/ENT/18/29
2. Title of the project: Low Cost Early Detection of Oral Cancer using Digital Infrared Thermal Imaging
Name of the principal investigator: Dr. Saurav Sarkar
Funding agency: Science and Engineering Research board,
Duration: 3 years, start year: 2017, Funds: Rs. 48 lakhs
IEC approval number: EMF/2017/003570

Completed:

1. Title of the project. ICMR multicentric national task force on "Prevalence and etiology of hearing impairment" (Eastern Zone PI)
Name of the principal investigator: Dr C Preetam
Funding agency: ICMR, Duration: 3years 6 months, start year: 2015, Funds: Rs. 1,32,88,499/-
IEC approval number: T/EM-F/ENT/15/12

Departmental:**Ongoing:**

1. Title of the project. "Assessment of risk Factors determining the prevalence of Cervical Lymph Node Metastasis in patient with Squamous Cell Carcinoma of the Oral Cavity."
Name of the principal investigator Dr. Pradipta Kumar Parida
Funding agency: NA, Duration; 2 years, Start year: 2019, Funds: Rs. NIL
IEC approval number: T/IM-NF/ENT/18/23
2. Title of the project(Thesis); Prevalence of skip metastases to level IIb, IV and level V lymph nodes in Oral cavity cancer in eastern region of India- An observational study.
Name of the Guide : Dr. Pradipta Kumar Parida
Funding agency: NA, Duration; 2 Years, start year: 2018, Funds: Rs.NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/22
3. Title of the project(Thesis); Shoulder dysfunction and quality of life following modified radical neck dissection and selective neck dissection-a comparative study.
Name of the Guide: Dr. Pradipta Kumar Parida
Funding agency: NA, Duration 2 Year, Start year: 2019, Funds: Rs. NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/106

4. Title of the project. Use of CO2 laser and coblation in head and neck surgery: A clinical and histopathological comparative study
Name of the guide: Dr. C Preetam
Funding agency: NA, Duration-2 Years, Start year: 2019, Funds: Rs. NIL
IEC approval number: IEC/AIIMS BBSR/PG THESIS/2019-20/41
5. Title of the project. RCT on the outcomes of endoscopic and microscopic ear surgery
Name of the guide: Dr. Saurav Sarkar
Funding agency: NA, Duration-2 Years, Start year: 2019, Funds: Rs. NIL
IEC approval number: IEC/AIIMS/BBSR/PG THESIS/2019-20/40
6. Title of the project. Efficacy of Posterior Nasal Neurectomy in patients of Chronic Rhinosinusitis with Nasal Polyposis
Name of the guide: Dr. Pradeep Pradhan
Funding agency: NA, Duration-2 Years, Start year: 2019, Funds: Rs. NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-2020/107

Completed:

1. Title of the project. 1. Roll of platelet rich plasma in temporalis fascia myringoplasty-a randomized controlled trial.
Name of the guide: Dr. Pradipta Kumar Parida
Funding agency: NA, Duration-2 Years, Start year: 2018, Funds: Rs. NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/26

PUBLICATIONS

1. Grover M, Sharma S, Preetam C ,Gupta G, Samdani S, Agarwal S, Singh SN, Sharma MP. New SMS classification of cochleovestibular malformation and its impact on decision-making. *J Laryngol Otol.* 2019 May;133(5):368-375. PMID: 31064425
2. Behera B, Mohanty S, Mahapatra A, Hallur VK, Mishra B, Dey A, Kumar R, Mishra TK, Sasmal PK, Sinha M, Mohapatra PR, Panigrahi MK, Preetam C, Das RR. Melioidosis in Odisha: A clinico-microbiological and epidemiological description of culture-confirmed cases over a 2-year period. *Indian J Med Microbiol.* 2019 Jul-Sep;37(3):430-432. doi: 10.4103/ijmm.IJMM_19_367. PMID: 32003346.
3. Pradhan P, Preetam C. Endoscopic stapedotomy: a comparison between 4 mm and 3 mm nasal endoscope. *Eur Arch Otorhinolaryngol.*2019;276(11):3035-3041. doi:10.1007/s00405-019-05592-5, PMID: 31392458
4. Gokul Gopi, Saurav Sarkar, Anindya Nayak. Extra-laryngeal branching of recurrent laryngeal nerve: a possibility thyroid surgeon need to keep in mind to prevent inadvertent nerve injury. *BMJ Case Rep* 2019;12:e231305. doi:10.1136/bcr-2019-231305 PMID: 31704798 PMCID: PMC6855905
5. Pradhan S, Sarkar S, Sable MN, Parida PK. A rare case of chondrosarcoma arising in parotid with extension to lateral skull base. *BMJ Case Rep.* 2019 Dec 2;12(12):e231643. doi: 10.1136/bcr-2019-231643. PMID: 31796459;
6. Pradhan P, Samal S, Preetam C. Submental Ectopic Thyroid Cyst: An Atypical Presentation. *Indian J Otolaryngol Head Neck Surg.* 2019;71(Suppl 1):712-715. doi:10.1007/s12070-018-1515-0, PMID: 31742048
7. Pradhan P, Samal S, Preetam C, Parida P. External Auditory Canal Paraganglioma with Chronic Otitis Media of Ear: A Rare Coexistence. *Indian J Otolaryngol Head Neck Surg.* 2019;71(Suppl 2):1217-1220. doi:10.1007/s12070-018-1277-8, PMID: 31750154
8. Agrawal K, Patro PSS, Pradhan P. Triple Ectopic Thyroid Detected on SPECT/CT: A Rare Case Report. *Clin Nucl Med.* 2019 Jul;44(7) e453-e455. doi:10.1097/rlu.0000000000002571. PMID: 30985427.
9. Pradhan S, Samal S, Pradhan P, Preetam C, Parida P. Vallecular Neurofibroma Successfully Managed with Endoscopic Assisted Coblation: A Novel Technique. *Indian J Otolaryngol Head Neck Surg.* 2019;71(2):282-283. doi:10.1007/s12070-018-1440-2, PMID: 31275845
10. Behera G, Biswas D, Parida PK, Mohamedil R, Adhya AK, Mitra S. Fine needle aspiration cytology of an adult submandibular cystic choristoma. *Cytopathol.* 2020 Mar; 31(2):174-176, PMID: 31675141
11. Pradhan P, Samal S, Preetam C. An Unusual Case of Extensive Cavernous Hemangioma of the Nasopharynx. *Iran J Otorhinolaryngol.* 2020;32(108):53-56. doi:10.22038/ijorl.2019.35143.2159, PMID: 32083032
12. Pradhan, P., Samal, S, Sable, M. 'Basal cell carcinoma arising over lesion of discoid lupus erythematosus: a rare occurrence', *Lupus* 2020 ;29(2), pp. 210–212. doi: 10.1177/0961203319894371, PMID: 31847697

PATIENT CARE / HOSPITAL SERVICES

Department of ENT has celebrated the World Hearing Day on 3rd March 2020 where an awareness programme was conducted for prevention of hearing disability. A training programme was conducted for junior resident and senior residents regarding the safety measures during COVID sampling in our hospital.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr. Saurav Sarkar has Passed MRCS-ENT Examination
2. Dr. Saurav Sarkar has been Awarded Commonwealth Medical Fellowship 2019 – 2020
3. Dr. Saurav Sarkar awarded 2nd Prize in Oral Paper presentation in MECON 2020 held at AIIMS, Bhubaneswar, on 23rd -25th January 2020.
4. Dr. C. Preetam Nominated as Eastern zone coordinator in the All India rhinology society of India



FORENSIC MEDICINE &
TOXICOLOGY

FORENSIC MEDICINE & TOXICOLOGY

FACULTY

Dr. Manoj Kumar Mohanty
Professor

Dr. Sudipta Ranjan Singh
Additional Professor

Dr. Manas Ranjan Sahu
Associate Professor

HIGHLIGHTS

Undergraduate teaching of Forensic Medicine and Toxicology to MBBS students 3rd, 4th and 5th semester is being conducted by the faculties of Department of Forensic Medicine and Toxicology. We added to our family a total of six new Post Graduate students in 2019. We are helping the State Government in dispensing justice by conducting the Post Mortems as requested by Police and also giving expert opinions in some cases. This year we took baby steps towards establishing forensic pathology laboratory. On 1st and 2nd June 2019 we hosted the 37th Annual Conference of Medico-legal Society of Odisha. Forensic experts from all over the state including from reputed institutions like All India Institute Medical Sciences Raipur, Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry attended and endowed the budding forensic students with knowledge. Annual workshop on Pre-conception and Pre-Natal Diagnostic Techniques (Prohibition of sex selection) Act was conducted on 23rd February 2020 for Interns and Final year students of all medical colleges present in Bhubaneswar. The students were made aware of the provisions by the expert faculties from different departments of All India Institute Medical Sciences, Bhubaneswar which would help them in future.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Manoj Kumar Mohanty

Nominated to attend 01 day workshop on "Chemical Biological Radiological Nuclear Explosive Forensic: Basic Requirements and Management Strategies" on 22/05/2019 at Institute of Nuclear Medicine & Allied Sciences, Delhi-54

1. Attend the conference "International Summit on Humanitarian Forensic – 2019" from 05/09/2019 to 07/09/2019 at Gujrat Forensic Science University, Gandhinagar, Gujarat, India.
2. Attend the "10th International Conference of Indian Association of Medico-Legal Experts -2019 & MeLeCon" from 12/09/2019 to 15/09/2019 at Kathmandu, Nepal. Presented poster titled: Analysing and Profiling of Brought in Dead Cases Coming at All India Institute Medical Sciences, Bhubaneswar".
3. Attend the conference "Andhra Pradesh Academy of Forensic Medicine & Toxicology," on 09/11/2019 & 10/11/2019 at Srikakulam, Andhra Pradesh, India. Presented a paper titled "Duties and Responsibilities of Doctor in Death of Patient".
4. Attend the seminar "Legal Interpretations of Professional Misconduct in India" on 23/11/2019 to 24/11/2019 at Institute Medical Sciences & SUM Hospital, Bhubaneswar.
5. Attended as guest lecturer in the "CME on Recent Updates on Snakebite Management" on 08/12/2019 at Sri Rama Chandra Bhanja Medical College, Cuttack, Odisha.
6. Participated as faculty in the medical Education conference – 2020 from 23rd/01/2020 to 25/01/2020 at AIIMS, Bhubaneswar.

Dr. Sudipta Ranjan Singh

1. Attend "2nd Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry Research Leadership Mentoring Programme" from 08/04/2019 to 13/04/2019 (2nd Phase) at Jawaharlal Institute of Postgraduate Medical Education and Research, Pondicherry, Puducherry.
2. Legal interpretations of professional misconduct in India: A multi-disciplinary approach on 23 & 24 November 2019 at Institute Medical Sciences & SUM Hospital, Bhubaneswar
3. Attend "CME on Recent Updates on Management of Snakebite" on 08/12/2019 (Sunday) at SCB Medical College, Cuttack.
4. Attend "13th Annual National Conference of the Indian Society of Toxicology" on 20/12/2019 & 21/12/2019 at Cochin, Kerala.

Dr. Manas Ranjan Sahu

1. Attend "Symposium on Poisoning as a Public Health Program" on 26/04/2019 at AIIMS, New Delhi.
2. Attended and presented lecture on "Dignity of dead and how we follow in our mortuary" in 37th Annual Conference of Medico-legal Society of Odisha, from 1st June to 2nd June, 2019.
3. Attended as speaker in CME on Medico Legal Update, District Headquarter Hospital, Khordha on 27.06.19
4. Conducted Medico legal workshop, for school student in our department on 18th August 2019

5. Attend "CME on Recent Updates on Management of Snakebite" on 08/12/2019 (Sunday) at SCB Medical College, Cuttack.
6. Attended the medical Education conference and workshop – 2020 from 23/01/2020 to 25/01/2020 at AIIMS, Bhubaneswar.
7. Attended the CME on Pre-conception and Pre-Natal Diagnostic Techniques (Prohibition of sex selection) Act on 23rd February 2020

RESEARCH

Funded Projects:

Completed:

1. Title of the project: - Skeletal age estimation from Manubrium of known Age and Sex–Autopsy based study
Name of the principal investigator: - Dr. Manas Ranjan Sahu, Associate Professor
Funding agency: - AIIMS, Bhubaneswar (Intramural)Duration: - 1 year
Start year: -2018-19
Funds: - Rs. 25,000/-
IEC approval number: -T/IM/18-19/01

Departmental:

Ongoing:

1. Title of the project: - Trends of Para-suicide in Adolescent: A Hospital Based Cross Sectional Study
Name of the principal investigator: - Dr. Manas Ranjan Sahu
Funding agency: - NA Duration: - 1.5 years Start year: - July 2019 to Dec 2020 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/49
2. Title of the project: - Craniocerebral injury in road traffic accident an autopsy based cross sectional study
Name of the principal investigator: - Dr. Sudipta Ranjan Singh
Funding agency: - NA Duration: - 1.5 years Start year: - July 2018 to Dec 2019 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2018-19/19
3. Title of the project: - Identify the roadblocks to adequate treatment post snake bite: Cross sectional study in a tertiary hospital of East India
Name of the principal investigator: - Dr. Sudipta Ranjan Singh
Funding agency: - NA Duration: - 1.5 years Start year: - July 2019 to Dec 2020 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/48
4. Title of the project: - Psychological profiling of suicidal survivor – A cross sectional study
Name of the principal investigator: - Dr. Manoj Kumar Mohanty
Funding agency: - NA Duration: - 1.5 years Start year: - July 2018 to Dec 2019 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2018-19/20
5. Title of the project: - To assess the Severity and Predict the Outcome in Organophosphate Poisoning Cases by the SOFA (Sequential Organ Failure Assessment) Score and the Serum Lactate Levels
Name of the principal investigator: - Dr. Manoj Kumar Mohanty
Funding agency: - NA Duration: - 1.5 years Start year: - July 2019 to Dec 2020 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/46
6. Title of the project: - The pattern of thoracic injuries in victims of road traffic accidents: An autopsy based cross sectional study
Name of the principal investigator: - Dr. Manoj Kumar Mohanty
Funding agency: - NA Duration: - 1.5 years Start year: - July 2019 to Dec 2020 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/47
7. Title of the project: - An autopsy based study on anatomical variations and pathological changes in circle of willis
Name of the principal investigator: - Dr. Manas Ranjan Sahu
Funding agency: - NA Duration: - 1.5 years Start year: - June 2018 to Dec 2019 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2018-19/21
8. Title of the project: - Profile of Road Traffic Fatality in Pre and Post Motor Vehicle (Amendment) Bill,2019 in Odisha – Autopsy Based Study
Name of the principal investigator: - Dr. Manas Ranjan Sahu
Funding agency: - NA Duration: - 1 year Start year: - April 2019 to Mar 2020 Funds: - . NA
IEC approval number: - T/IM-NF/FMT/19/61

9. Title of the project: - An autopsy based cross-sectional study of injury patterns in fatal motor bike accidents
Name of the principal investigator: - Dr. Sudipta Ranjan Singh
Funding agency: - NA Duration: - 1.5 years Start year: - Jan 2020 to Jun 2021 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/79
10. Title of the project: - Knowledge, attitude and perception of relative towards autopsy-A cross sectional study in Odisha
Name of the principal investigator: - Dr. Manas Ranjan Sahu
Funding agency: - NA Duration: - 1.5 years Start year: - Jan 2020 to Jun 2021 Funds: - Rs. NA
IEC approval number: - IEC/AIIMS BBSR/PG Thesis/2019-20/81
11. Title of the project: - Burden of fatty liver disease in Odisha: an autopsy based histopathologic study
Name of the principal investigator: - Dr. Manas Ranjan Sahu
Funding agency: - NA Duration: - 2 years Start year: - Feb 2020 to Jan 2022 Funds: - Rs. NA
IEC approval number: - T/IM-NF/FMT/19/64

PUBLICATIONS

PK Ravi, S Purkait, U Agrawal, S Patra, M Patnaik, SR Singh, PR Mishra. Regional variation of human pancreatic islets dimension and its impact on beta cells in Indian population. *Islets*, 2019;11(6):141-51. PMID:31743072. DOI:10.1080/19382014.2019.1686323



GASTROENTEROLOGY

GASTROENTEROLOGY

FACULTY

Dr. Subash Chandra Samal
Professor and Head

Dr. Manas Kumar Panigrahi
Associate Professor

Dr. Hemanta Kumar Nayak
Assistant Professor

HIGHLIGHTS

The Department of Gastroenterology became officially functional from 21st April 2016. The Department has been strengthened by an increase in faculty and residents, and other staff. At present, there are three faculties in the Department. We are presently involved in super specialty (DM), postgraduate (MD/MS), undergraduate (MBBS) teaching. The Department provides all routine outpatients, inpatients and specialized endoscopic services to the public. The faculties regularly attend and present various National and International Seminars, Workshops and Conferences to update their knowledge.

EDUCATION

The DM teaching programme was started from July 2018 session. Each year we get two DM candidate selected at all India level. At present, we have 5 DM residents in the department. We are presently involved in super specialty (DM), postgraduate (MD/MS), undergraduate (MBBS) teaching. As a part of the DM training programme we are conducting a topic seminar, journal club, case presentation on a weekly basis. We provide opportunities to our DM residents to participate and present their research works at various regional, national, and international meetings. Residents are evaluated for their progress periodically with various summative assessments.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

1. Dr. Subash Chandra Samal was invited as chairperson in Asia Pacific Digestive Week (APDW) 2019, from 12th - 15th December held at Kolkata, India

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: To study the safety and synergistic anticancer actions of anthelmintic drug mebendazole and the multikinase inhibitor lenvatinib, in patients with advanced hepatocellular carcinoma.
Name of the principal investigator: Dr. Subash Chandra Samal
Funding agency: Biotechnology Industry Research Assistance Council
Duration, start year - 1 year, 2020
Funds: 93 Lakhs
IEC approval number: T/EMF/Gastro/20/41
2. Title of the project: Determination of pattern of functional, biochemical, and immunological response associated with subgroups of functional dyspepsia: An observational study.
Name of the principal investigator: Dr. Subash Chandra Samal
Funding agency: Science and Engineering Research Board,
Duration, start year - 3 years, 2020,
Funds: 40 Lakhs
IEC approval number: T/EMF/Gastro/20/41

Non funded projects:

Ongoing:

1. Title of the Project: Comparison of colonoscopy bowel preparation with standard colon cleaning regimen using polyethylene glycol versus Laghu Shankha Prakashana (LSP)
Name of the principal investigator- Dr. Manas Kumar Panigrahi
Funding agency: Non funded,
Duration-2 year, start year: 2020,
Funds: Nil
IEC approval number: T/IM_NF/Gastro/19/77

Departmental:**Ongoing :** (Thesis)

1. Title of the project.: The effect of proton pump inhibitors on Helicobacter pylori related gastritis with endoscopic and histopathological correlation.
Name of the principal investigator: Dr Subash Chandra Samal
Funding agency: Non funded,
Duration- 2 years, start year: 2018
Funds: Nil
IEC approval number:IEC/AIIMS BBSR/PG Thesis/2018-19/42
2. Title of the Project: Comparison of standard medical treatment and N acetylcysteine in acute on chronic liver failure: A randomized controlled trial.
Name of the principal investigator: Dr Subash Chandra Samal
Funding agency: Non funded,
Duration-2 year, start year: 2018
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG THESIS/2019-20/75
3. Title of the Project: " Comparison of the efficacy of triple, quadruple and sequential antibiotic therapy in eradicating Helicobacter pylori infection: A randomized controlled trial."
Name of the principal investigator: Dr Manas Kumar Panigrahi
Funding agency: Non funded,
Duration-2 year, start year: 2019
Funds: Nil
IEC approval number:IEC/AIIMS BBSR/PG THESIS/2019-20/27
4. Title of the Project: GUT inflammation and gastric electrical activities in all three subtypes of functional dyspepsia: A cross-sectional observational study.
Name of the principal investigator: Dr Subash Chandra Samal
Funding agency: Non funded,
Duration-2 year, start year: 2020,
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG THESIS/2020-21/38.
5. Title of the Project: GUT- Brain dysfunction in various subgroup of functional dyspepsia: Across A sectional observational study.
Name of the principal investigator: Dr Manas Kumar Panigrahi
Funding agency: Non funded,
Duration-2 year, start year: 2020,
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG THESIS/2020-21/37.

PUBLICATIONS

1. Nath P, Panigrahi MK, Sahu MK, Narayan J, Sahoo RK, Patra AA, Jena S, Patnaik AK, Jena A, Singh SP. Effect of Exercise on NAFLD and Its Risk Factors: Comparison of Moderate versus Low Intensity Exercise. *J Clin Transl Hepatol.* 2020; 8(2):120-126. PMID: 32832391.
2. Singh A, Sahu MK, Panigrahi M, Behera MK, Uthasinh K, Kar C, Narayan J. Abdominal tuberculosis in Indians: Still very pertinent. *J Clin Tuberc Other Mycobact Dis.* 2019; 7;15:100097. PMID: 31720424.
3. Patra S, Ayyanar P, Padhi S, Purkait S, Muduly DK, Samal SC. Epithelioid Malignant Peripheral Nerve Sheath Tumor (Epithelioid-MPNST) Presenting as Bleeding Rectal Polyp: A Case Report with Systematic Literature Review. *Am J Case Rep.* 2019 Aug 10; 20:1175-1181. PMID: 31399553.
4. Mohanty S, Panigrahi MK. Liver Abscess due to Streptococcus pneumoniae: A Clinical Rarity. *Case Rep Infect Dis.* 2020:1572023. PMID: 32566332.
5. Sasmal PK, Sahoo A, Nayak HK, Mitra S. Laparoscopic colectomy in idiopathic colonic varices: a safe endeavour. *BMJ Case Rep.* 2020; 13 (8):e235624. PMID: 32847883.

PATIENT CARE / HOSPITAL SERVICES

- Total patients visited the Gastroenterology department: 23794
- Total Outdoor patients: 18901, Total Indoor patients: 793
- Upper GI endoscopy: 2909
- Endoscopic therapy: 166
- Colonoscopy: 1025
- ERCP and GI intervention:115
- EUS: 43

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Manas Kumar Panigrahi

1. Selected as a core committee member for Task Force on "Alcoholic Liver Disease" by the Indian National Association of Study of Liver (INASL).



GENERAL MEDICINE

GENERAL MEDICINE

FACULTY

Dr. Anupam Dey
Additional Professor & Head

Dr. Rajesh Kumar
Assistant Professor

Dr. Dhriti Sundar Das
Assistant Professor

Dr. Rashmi Ranjan Mohanty
Additional Professor

Dr. Anupama Behera
Assistant Professor

Dr. Sujata Devi
Assistant Professor

Dr. Debananda Sahoo
Assistant Professor

HIGHLIGHTS

This department primarily focuses on three core areas like comprehensive quality care to the patients, teaching and training medical, nursing and paramedical students and research activities. The department is now a full-fledged postgraduate department with an annual intake of 4 students in two sessions. The department also has its credit for leading collaborative and interdisciplinary research with a host of publications. The present strength of faculties and residents strives towards providing the best healthcare service to the people of Odisha and neighboring states. This department caters to one of the maximum patient attendances, including both indoor and outdoor units. Moreover, at the beginning of the COVID 19 pandemic, the department has been involved in the training of various students and staff of the department in the areas of PPE (Personal Protective Equipment) handling, swab collection, and infection control practices.

EDUCATION

The department conducts a holistic undergraduate MBBS teaching programme under the new curriculum, which comprises of lectures, seminars, integrated teaching, clinical case conferences, and bedside clinical teaching, among others. A feedback mechanism is also introduced in the UG clinical teaching with the aim of providing better bedside academics. It is also involved in the teaching of nursing and paramedical students. Apart from patient care, the postgraduate training includes journal clubs, seminars, case discussions and faculty teaching. Interdepartmental integrated seminars are also being conducted along with guest lecture talks. The Senior residents of the department are also actively involved in the teaching programme. Participation of the Faculties as resource person for induction training of newly appointed Medical officers (State government) conducted by the Department of Community & Family Medicine, AIIMS Bhubaneswar. During the initial period of the COVID 19 pandemic, online teaching was also commenced for the UG classes as well.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Anupam Dey

1. Attended the 29th European Congress of Clinical Microbiology and Infectious Diseases (ECCMID) from 13th to 16th April 2019 held at Amsterdam, Netherlands and presented a paper titled "Multiple intra-abdominal abscesses need a vigilant work up a case report."
2. Attended the 11th Annual Conference of Odisha Haematology 2019 on 7th September 2019 held at Bhubaneswar and Chaired a session on Topic: "MDS".
3. Attended the National Symposium on Clinical Toxicology from 7th to 8th September 2019 at Bhubaneswar and delivered a Lecture on "Paracetamol poisoning."
4. Attended the 3rd National Workshop on R for Basic Biostatistics (NAWORB) from 24th to 27th September 2019, held at AIIMS Bhubaneswar.
5. Attended the 49th Annual Conference of Endocrine Society Of India (ESICON 2019) from 21st to 24th November, 2019 at Nagpur, India.
6. Attended the 75th Annual Conference of the Association of Physicians of India (APICON 2020) from 6th to 9th January 2020, held at Agra, India and Chaired the session on "Sugar solutions 2020".
7. Attended the Medical Education Conference and Workshop (MECON 2020) from 23rd to 25th January, 2020, at AIIMS Bhubaneswar.

Dr. Rashmi Ranjan Mohanty

1. Attended the 9th Annual Conference of Clinical Infectious Diseases Society, CIDSCON from 23rd to 25th August 2019 held in Kochi, Kerala
2. Attended the Medical education conference and workshop (MECON 2020) from 23th Jan to 25th January 2020, at AIIMS, Bhubaneswar

Dr. Sujata Devi

1. Attended as a delegate in the workshop on effective medical literature search organized by Institute research committee on 27th April 2019 held at AIIMS Bhubaneswar.
2. Attended the 7th Annual conference of research society for the study of diabetes in India (RSSDI) Odisha chapter from 17th to 18th August 2019 held at Bhubaneswar.
3. Attended International CME and 11th Annual conference of Odisha haematology from 7th to 8th September 2019 held at Bhubaneswar.
4. Attended the 49th Annual conference of the Endocrine Society of India (ESICON) from 21th to 24th Nov 2019 held at Nagpur and presented a poster titled "Insulinoma: A rare cause of hypoglycemia in a young male".
5. Attended as a delegate in the workshop 'point of care ultrasound in acute care (POCUS 2019)' from 18th to 19th January 2020 held at AIIMS, Bhubaneswar.
6. Attended in the pre-conference workshop on change management and portfolio-based teaching, learning and assessment at the Medical education workshop on 23rd January 2020 held at AIIMS, Bhubaneswar.
7. Attended as a delegate in the medical education conference (MECON 2020) from 24th to 25th January 2020 held at AIIMS, Bhubaneswar.

Dr. Rajesh Kumar

1. Attended the Indian Rheumatological Association conference 'IRACON 2019' from 7th-8th December 2019 in JIPMER and presented a poster titled "Atypical manifestation of SLE."
2. Attended the Annual Conference of Association of Physicians of India (APICON), Odisha chapter held on 22nd November 2019 at Berhampur, Odisha and presented a poster titled "APLA presenting as Adrenal hemorrhage."
3. Invited by the national rheumatologist forum to speak on the topic "Identifying patterns on rheumatology" held on 15th December 2019 in SCB Cuttack, Odisha.

Dr. Anupama Behera

1. Attended the Emergency Cardiology Inaugural national summit (EMCARD) from 10th to 12th May 2019 held at Goa and presented a poster titled "Sudden cardiac death: Always not Myocardial infarction."
2. Attended the 27th Annual conference of Indian Academy of Neurology from 3rd to 6th October 2019 held at HICC, Hyderabad.

Dr. Debananda Sahoo

1. Attended the 75th Annual Conference of Association of Physicians of India (APICON) from 6th to 9th January 2020 held in Agra, Uttar Pradesh.
2. Attended the National Update on Clinical Diabetes (NUCD) from 18th to 19th January 2020 in Bhubaneswar.

Dr. Dhriti Sundar Das

1. Attended the 3rd National workshop on R for basic biostatistics (NAWORB) from 24th to 27th Sept 2019, held at AIIMS, Bhubaneswar.
2. Attended the Point of Care Ultrasound in Acute Care (POCUS 2020) Workshop from 18th to 19th January 2020, held at AIIMS Bhubaneswar.
3. Attended the pre-conference workshop on change management and portfolio-based teaching, learning and assessment at the Medical education workshop on 23th January 2020, held at AIIMS, Bhubaneswar.
4. Attended the Medical Education Conference and Workshop (MECON 2020) from 23rd to 25th January 2020, held at AIIMS Bhubaneswar.

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

1. Title of the project – Association of Vitamin D deficiency and Dyslipidemia in Outpatients at AIIMS Bhubaneswar
Name of the principal investigator: Dr. Anupam Dey
Funding Agency: AIIMS, Bhubaneswar
Duration, start year: 2 years, 2017
Funds: Rs. 1.75 lakhs
IEC approval number: T/IM-F/MED/15/27

Ongoing:

1. Title of the project: Initiating antimicrobial stewardship activities at AIIMS Bhubaneswar
Name of the principal investigator: Dr Anupam Dey
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 2019
Funds: Rs. 5 lakh
IEC approval number: T/EMF/Gen. Med/18/10
2. Title of the project: Effect of glycaemic control on blood B-type natriuretic peptide (BNP) level in patients with type 2 diabetes without heart failure.
Name of the principal investigator: Dr. Rashmi Ranjan Mohanty
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 1 year, 2019
Funds: Rs. 5 lakh
IEC approval number: T/1M-F/19-20/08
3. Title of the project: Estimation of serum omentin 1 and IL-6 in type 2 diabetes mellitus with early stage of diabetic nephropathy
Name of the principal investigator: Dr. Sujata Devi
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 1 year, 2019
Funds: Rs. 2,80,800.00
IEC approval number: T/IM-F/18-19/27

Departmental:**Ongoing:**

1. Title of the project: A hospital-based observational study to look for the association of serum ferritin levels with glycemic status and microvascular complications in patients with diabetes as compared to nondiabetic individuals
Name of the primary investigator: Dr. Anupam Dey
Funding Agency: Non-Funded
Duration, Start Year: 2 Years, 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/38
2. Title of the project: Role of Serum Biomarkers C Reactive protein (CRP), Procalcitonin, Interleukin 6 (IL6) in Determining Bacterial Infection in Adult Patients Presenting with Acute Febrile Illness – An Observational Study.
Name of the primary investigator: Dr. Rashmi Ranjan Mohanty
Funding Agency: Non-Funded
Duration, Start Year: 2 Years, 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/39
3. Title of the project: Study of clinicopathological parameters in complicated versus uncomplicated scrub typhus: A Prospective observational study in Eastern India.
Name of the primary investigator: Dr. Sujata Devi
Funding Agency: Non-Funded
Duration, Start Year: 2 Years, 2020
Funds: Non-Funded
IEC approval number: IEC/AIIMS/BBSR/PG Thesis/2019-20/86
4. Title of the project: Role of Anti Carbamylated Protein (anti -CarP) in Early Rheumatoid Arthritis and its Association with Disease Severity - A Cross-Sectional Study in Eastern India.
Name of the primary investigator: Dr. Rajesh Kumar
Funding Agency: Non-Funded
Duration, Start Year: 2 Years, 2019
Funds: Non-Funded
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/85
5. Title of the project: Clinical presentation and modes of transmission in viral hepatitis B patients attending a tertiary care centre in Eastern India.
Name of the Principal Investigator: Dr. Rashmi Ranjan Mohanty
Funding Agency: Non-Funded
Duration: 2 Years, Start Year: 2017
Funds: Non-Funded
IEC approval number: T/1M-NF/Med/17/25

Collaborative projects:**Completed:**

1. Title of the project: Harmonised diagnostic assessment of dementia for longitudinal aging study in India (LASI)
Name of the principal investigator: Dr. Rashmi Ranjan Mohanty
Funding agency: NIH, USA and UNHPA
Duration, start year: 2 year, 2017.
Funds: Rs. 22 lakhs
IEC approval number: T/EMF/MED/17/02 DT. 12.05.2017

Ongoing:

1. Title of the project:- . A multicentric, randomized, double-blind, parallel group, active controlled, comparative Phase III clinical trial to evaluate the efficacy and safety of FDC of Mirabegron 25mg/50mg (ER) plus Solifenacin succinate 5mg/5mg tablet versus Mirabegron 25mg/50mg (ER) tablet, Solifenacin succinate 5mg tablet in subjects diagnosed with Overactive bladder
Name of the principal investigator: Dr. Debananda Sahoo
Funding agency: WINDLAS BIOTECH PVT. LTD
Duration, start year: October 2019
Funds: Rs. 3,56,500.00
IEC approval number: T/EMF/Gen. Med/19/15
2. Title of the project: "A multicentric open label study to evaluate safety and efficacy of fixed dose combination Olmesartan medoxomil, chlorthalidone and cilnidipine tablet in the treatment of essential hypertension in India."
Name of the principal investigator: Dr Anupama Behera
Funding agency: SUN Pharmaceutical PVT limited
Duration- 3 month, start year: 2019
Funds: Rs. 25000 per subject
IEC approval number: T/EMF/Gen.Med/18/41

PUBLICATIONS

1. Dey A, Kanneganti V, Das D. A study of the cardiac risk factors emerging out of subclinical hypothyroidism. J Family Med Prim Care. 2019;8(7):2439-2444. PMID: 31463273.
2. Dey A. Do skin lesions in the young sound an alarm. Ann Afr Med. 2019;18(3):176-177. PMID: 31417020.
3. Mohanty RR, Das S, Tete SK. Paraquat poisoning, JAPI, vol 67.Nov.2019 PMID: 31793275
4. Mohanty RR, Agrawal K, Meher BR. Thyroid Scintigraphy in Fever of Unknown Origin. Indian J Nucl Med. 2019;34(4):307-308. PMID: 31579229.
5. Dey A. Recurrent cranio-oculo-facial diabetic complication. J Family Med Prim Care. 2019; 8(8):2732-2734. PMID: 31548966.
6. Rashmi Ranjan Mohanty, Joyita Banerjee , Urvashi Jain , Pranali Khobragade , Bas Weerman, Peifeng Hu, et al (2019). Methodological considerations in designing and implementing the harmonized diagnostic assessment of dementia for longitudinal aging study in India (LASI-DAD).Biodemography Soc Biol. 2020;65(3):189-213. PMID: 32727279; PMCID: PMC7398273.
7. Behera A, Devi S, Guru S, Sethy M. A Rare Case of Multicentric Reticulohistiocytosis with Concurrent Rheumatoid Arthritis. Cureus. 2019;11(8):e5476. PMID: 31646135.
8. Devi S, Mishra P, Sethy M, Thakur GS. Isolated Tubercular Liver Abscess in a Non-immunodeficient Patient: A Rare Case Report. Cureus. 2019 ;11(12):e6282. PMID: 31911874.

PATIENT CARE / HOSPITAL SERVICES**Departmental statistics**

1. Total OPD patients: 90716
2. Total Indoor ward admissions: 1155
3. Total ICU admissions: 178
4. Total Private Ward admissions: 88
5. No of Rheumatological patients served: 670

Creation of new facilities for improved patient care and safety

1. Augmentation of our patient care services with the installation of 3 Bi-pap and 2 Defibrillator machines in the department.
2. Creation of new patient care zones in the OPD bay for faster, greater and efficient catering of increasing patient load with maintenance of all norms
3. To increase safety of patient as well as health care staffs, additional screening desk have been put in place in the OPD in the pandemic time.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr Anupam Dey received the “27th Dewang Mehta National Education Awards” under the category “Best Professor In General Medicine Studies” (endorsed by the World Federation of Academic & Educational Institutions) in Mumbai on 22th November 2019.
2. Dr. Rajesh Kumar has enrolled for two-year course in Rheumatology by ‘EULAR’ (European League against Rheumatism).
3. Dr. Dhriti Sundar Das has taken life membership of the Association of Physicians of India and Clinical Infectious Diseases Society of India.
4. Department had organized a Guest Lecture on the topic “Approach to Inflammatory Bowel Diseases” delivered by Dr. K R K Raman, Clinical Gastroenterologist from Canada, on 21th February 2020.



Dr. Sujata Devi presenting a poster at ESICON 2019, at Nagpur



Dr. Sujata Devi receiving a certificate of participation in the Medical education workshop (MECON 2020) on 23rd January 2020, at AIIMS, Bhubaneswar.



Dr. Anupam Dey receiving the “27th Dewang Mehta National Education Awards” under the category “Best Professor In General Medicine Studies” in Mumbai on 22nd November 2019.



Dr. Anupam Dey felicitated during the National Symposium on Clinical Toxicology at Bhubaneswar



Dr. Anupam Dey chairing a session at the 75th Annual Conference of the Association of Physicians of India (APICON 2020) at Agra.



Group photo with Dr. K R K Raman, Clinical Gastroenterologist from Canada, on 21st February 2020.



Dr. Anupam Dey at the Medical Education Conference and Workshop (MECON 2020) from 23rd to 25th January 2020, at AIIMS Bhubaneswar.



Dr. Rajesh Kumar presenting a poster at the Indian Rheumatological Association conference 'IRACON' in JIPMER



Dr. Dhriti Sundar Das at 3rd National workshop on R for basic biostatistics (NAWORB) held at AIIMS, Bhubaneswar



Dr. Rashmi Ranjan Mohanty at the 9th Annual Conference of Clinical Infectious Diseases Society, CIDSCON held in Kochi, Kerala



Dr. Dhriti Sundar Das receiving the certificate of workshop completion in POCUS 2020 (Point of Care Ultrasound in Acute Care) Workshop held at AIIMS, Bhubaneswar



Dr. Dhriti Sundar Das receiving the certificate of participation in the Medical education workshop at AIIMS, Bhubaneswar on 23rd January, 2020



GENERAL SURGERY

GENERAL SURGERY

FACULTY

Dr. Manash Ranjan Sahoo
Professor & HOD

Dr. Mithilesh Kumar Sinha
Additional Professor

Dr. Pradeep Kumar Singh
Assistant Professor

Dr. Tushar Subhadarshan Mishra
Professor

Dr. S Manwar Ali
Associate Professor

Dr. Bikram Rout
Assistant Professor

Dr. Prakash Kumar Sasmal
Additional Professor

Dr. Pankaj Kumar
Associate Professor

HIGHLIGHTS

The department conducted the Fellowship of Minimal Invasive Surgery course for the Surgeons and the Gynecologists from 11th to April 14th, 2019, at AIIMS, Bhubaneswar. The Department also organized an International conference on Breast, "ASOMACON 2019, from 14th to 17th November 2019, at AIIMS, Bhubaneswar. The Department organized a Sensitisation cum training programme for the ANM & ASHA workers about breast examination and detecting suspected cases of breast cancer on November 15th, 2019, at AIIMS Bhubaneswar.

EDUCATION

Post Doctoral Fellowship in Minimal Invasive Surgery was started in the Department. Two candidates joined this one year course in the month of October 2019. The Department conducts theory and clinical classes regularly. A total number of 104 theories and 418 clinical classes were conducted by the Department for the undergraduates. Besides, 143 seminars, including the journal club, were held for the postgraduates.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/PAPER PRESENTED

Dr. Manash Ranjan Sahoo

1. Attended a meeting as a member of National Committee, for revision of Curriculum of MCh/DNB Surgical Gastroenterology in India, on June 28th, 2019, in Hyderabad.
2. Attended a meeting as a member of the National Committee for Minimal Access Surgery Guideline formulation in June 2019 in New Delhi.
3. Delivered a Guest Lecture in the zonal Federation of Obstetric and Gynaecological Societies of India (FOGSI) dated July 18th 2019, meeting at Bhubaneswar.
4. Delivered an Oration in Medivision conference on July 31th 2019 at SCB Medical College, Cuttack.
5. Attended Minimal Invasive surgery week organized by the Society of Laparo endoscopic surgeons, from 04th to September 07th 2019, in USA.
6. Attended Association of Minimal Access Surgeons of India skill course & Fellow of Minimal Access Surgeon (FMAS) Examination from September 27th, 2019, to September 29th, 2019 at Bengaluru, Karnataka.
7. Attended the Association of Surgeons of India, Rajasthan (ASIRAJ), from October 18th 2019, to October 20th 2019 at Jodhpur, Rajasthan.
8. Attended the Annual Conference of Asian Society of Mastology, Association of Minimal Access Surgeons of India Conference (AMASICON), 2019 from November 07th 2019, to November 09th 2019 at Nagpur, Maharashtra.
9. Organizing Chairman of the Annual Conference of Asian Society of Mastology (3rd ASOMACON -2019) from 15th-17th November 2019 held at AIIMS, Bhubaneswar and chaired the Oration paper session.
10. Delivered a talk on the Groin & Abdominal Wall Hernias (Association of Surgeons of India, Odisha State Chapter, and P.G Department of Surgery on November 24th, 2019 at SCB Medical College Cuttack.
11. Attended the Annual Conference of the Association of Surgeons of India from December 18th, 2019 to December 21th, 2019, held at SOA University, Bhubaneswar.
12. Attended Association of Minimal Access Surgeons of India, SAFE LAPCHOLE PROJECT on January 19th, 2020, at IPGME&R Auditorium, Kolkata.
13. Attended International Hepato Pancreato Biliary Association (IHPBA) conference from January 24th, 2020 to January 06th, 2020, at Bhubaneswar.
14. Delivered an Oration in Advancement in Clinical Care conference on February 18th, 2020 & was felicitated at Bhubaneswar.

15. Attended Hernia Carnival at the GEM Institute, from March 05th, 2020 to March 07th, 2020 at Chennai Tamilnadu.

Dr. Tushar Subhadarshan Mishra

1. Organizing secretary of the 62nd Association of Minimal Access Surgeons of India (AMASI) Skill course and FMAS Exam conducted at AIIMS, Bhubaneswar from 11th to April 13th 2019. Made a video presentation on "Laparoscopic Management of Hydatid cyst of Liver (Step by step approach)"
2. Attended the Workshop on Effective Medical Literature Search on April 27th 2019, held in AIIMS, Bhubaneswar.
3. Attended the Association of Surgeons of India, Gujrat Chapter, conference from 11th - 13th October 2019 held at Vapi, Daman and presented a paper on "Management of biliary strictures" and was a panelist in a panel discussion on "Management of acute pancreatitis"
4. Attended the Annual Conference of the Association of Surgeons of India, Rajasthan Chapter (ASIRAJ 2019)," held from 18th & 20th October 2019 held at Rajasthan and made a video presentation on "Laparoscopic hemicolectomy."
5. Attended a seminar on Quality & Patient Safety in Healthcare on November 09th, 2019, at AIIMS Bhubaneswar.
6. Attended as the Organizing Secretary of the Annual Conference of Asian Society of Mastology (3rd ASOMACON -2019) from 15th -17th November, 2019 held at AIIMS, Bhubaneswar and chaired the Oration paper session.
7. Attended the Training of the Teachers of Eastern India for the Basic Surgical Course, which was conducted by the Association of Surgeons of India (ASI) on 12th and 13th of December 2019, held at Kolkata.
8. Chaired a session on "Abdominal wall repair" in the 79th Annual Conference of the Association of Surgeons of India from 18th-21st December 2019, held at Bhubaneswar.
9. Attended the Medical Education Conference and Workshop (MECON 2020) from 23rd to January 25, 2020, held at AIIMS, Bhubaneswar.
10. Attended the 8th Asia Pacific Gastroesophageal Cancer Congress 2020 from 6th-8th February 2020 held at Chennai and presented a paper on "Enhanced recovery after surgery after gastrectomy in Gastric Cancer."
11. Attended the 19th Annual Conference of the Association of Surgeons of India – Chhattisgarh Chapter (CG ASICON 2020)" on 06th & 07th March 2020 at AIIMS Raipur and presented a video presentation on "Total Extraperitoneal (TEP) laparoscopic inguinal mesh hernioplasty"
12. Attended the Medical Education Conference and Workshop -2020 held at AIIMS, Bhubaneswar on 23rd – 25th January 2020.

Dr. Prakash Kumar Sasmal

1. Attended the 48th World Congress of Surgery from 11th -15th August 2019 held in Krakow, Poland. Presented oral paper on 'Efficacy and Safety of Minimal Access Surgery in Hydatid Disease.' Presented two posters titled 'Negative pressure wound treatment: A promising option for management of pancreatic anastomotic leak following pancreaticoduodenectomy,' and 'Duodenal perforation following blunt trauma abdomen: How aggressive the surgical treatment should be?'
2. Attended the 79th Annual Conference of Association of Surgeons of India 18th-21st December 2019 held at Bhubaneswar and presented the Faculty Paper titled "Laparoscopic management of insulinoma of the pancreas: Tips and Techniques,' and Innovation Paper titled 'Autologous tissue transfer repair of a large crural defect in achalasia cardia: A novel technique.'
3. Attended the Medical Education Conference and Workshop (MECON-2020) from 23rd – 25th January, 2020 held at AIIMS, Bhubaneswar.
4. Attended the 17th Annual Conference of Indian Chapter of International Hepato Pancreato Biliary Association (IHPBA-2020) on Jan 26 2020 held at Bhubaneswar and judged a session on Free Paper presentation.
5. Attended the 18th National Conference of Obesity & Metabolic Surgery Society of India (OSSICON 2020 on 27th and 29th February 2020, held at New Delhi.
6. Treasurer of the Annual Conference of Asian Society of Mastology (3rd ASOMACON -2019) from 15th -17th November 2019, held at AIIMS, Bhubaneswar.

Dr. Mithilesh Kumar Sinha

1. Participated as faculty In the Annual Conference of Asian Society of Mastology (3rd ASOMACON ASOMACON) 2019 from 15th to 17th November 2019 held at Bhubaneswar.
2. Attended Emergency Medicine Association conference on Aug 04, 2019, held at AIIMS, New Delhi and presented a paper entitled 'Management of cellulitis'.

3. Participated in Medical Education Conference and Workshop (MECON 2020) from 23rd to Jan 25 2020, held at AIIMS Bhubaneswar and presented a poster titled- „Cross-sectional evaluation of internship trainee’s performance at surgery OPD.“

Dr. S Manwar Ali

1. Was the Joint Organizing Secretary of the Annual Conference of Asian Society of Mastology (3rd ASOMACON -2019) from 15th -17th Nov 2019, held at AIIMS, Bhubaneswar and chaired the oration paper session.
2. Was the faculty and co-organizing secretary of the 62nd Association of Minimal Access Surgeons of India (AMASI) Skill course and FMAS Exam from 11th to April 13 2019, conducted at AIIMS, Bhubaneswar and presented a paper entitled “Methods of creation of pnemoperitoneum”
3. Presented a lecture on “How to write methods in PG thesis” in the 79th Annual Conference of the Association of Surgeons of India, from 18th-21st December 2019, held at Bhubaneswar.
4. Participated in Medical Education Conference and Workshop (MECON 2020) from 23rd-25th January 2020, held at AIIMS Bhubaneswar.

Dr. Pankaj Kumar

1. Treasurer of the Annual Conference of Asian Society of Mastology (3rd ASOMACON -2019) from 15th-17th November 2019, held at AIIMS, Bhubaneswar.
2. Attended the Medical Education Conference and Workshop, MECON-2020, from 23rd – 25th January, 2020 held at AIIMS, Bhubaneswar.

Dr. Pradeep Kumar Singh

1. Attended 81st National Course on Educational Science for Teachers of Health Professionals from 16th to 21th September 2019 held at JIPMER, Puducherry.
2. Participated as faculty & member scientific committee In Annual Conference of Asian Society of Mastology (3rd ASOMACON) from 15th to 17th November 2019, held at Bhubaneswar.
3. Attended the Medical Education Conference and Workshop (MECON-2020), from 23rd to January 25, 2020, held at AIIMS, Bhubaneswar.

Dr. Bikram Rout

1. Participated in the 79th Annual Conference of Association of Surgeons of India from 18th to 21st December 2019, held at Bhubaneswar.
2. Participated as faculty & member scientific committee of the Annual Conference of Asian Society of Mastology in ASOMACON 2019 from 15th to November 17 2019, held at Bhubaneswar.

RESEARCH

Funded Projects:

Ongoing:

1. Serum Tissue plasminogen activator (t-PA:Ag)levels in patients with Diabetic foot infections
Name of the principal investigator: Dr. S Manwar Ali
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 1 year 2019-2020
Funds: Rs 1.17 Lakhs
IEC approval number: IMF/28/2018
2. Title of the project: Comparison of Tamoxifen with Centchroman in chronic mastalgia: a randomized control trial
Name of the principal investigator: Dr. Mithilesh Kumar Sinha
Funding agency: AIIMS, Bhubaneswar
Duration, start year: 2 years, 2020
Funds: Rs. 2, 04,400/-
IEC approval number: T/IM-F/19-20/13

Non Funded projects:

Ongoing:

1. Title of the project: Lithotomy vs. prone position for perianal surgery- A randomized controlled trial
Name of the principal investigator: Dr. Pankaj Kumar
Funding agency: Non-funded
Duration, Start year: 1 year, 2019
Funds: NIL

IEC approval number: T/IM-NF/Gen.Surg/19/49

2. Understanding of the Surgical Safety Checklist among health care personnel and compliance in a tertiary care institute.
Name of the principal investigator: Dr Tushar S. Mishra
Funding agency: Non-Funded
Duration, Start year: Six months, 2019
Funds: Rs NIL
IEC Approval No. T/IM-NF/Gen.Surg/18/69
3. Title of the project- Correlation of Trauma scoring systems with outcome in abdominal trauma.
Name of the principal investigator: Dr. P K Sasmal
Funding agency: Non-funded
Duration, Start year: 2 years, 2019
Funds: Rs NIL
IEC approval number: IEC/AIIMS BBSR/STS_UG/2018-19/07
4. Title of the project- Evaluating interns at Surgery OPD: A Descriptive cross-sectional study to find areas of lacunae in Undergraduate surgical training".
Name of the principal investigator: Dr. Mithilesh Kumar Sinha
Funding agency: Non-funded
Duration, Start year: 1 month, 2019
Funds: Rs NIL
IEC approval number- T/IM-NF/Gen.Surg/19/43
5. Title of the project- Efficacy of Hydrogen peroxide and methylene blue (HPMB) cocktail for delineating the fistulous tract- A diagnostic accuracy study.
Name of the principal investigator: Dr. Pankaj Kumar
Funding agency: Non funded
Duration, Start year: 4 years, 2019
Funds: NIL
IEC approval number: T/IM-NF/Surg/19/38

Completed:

1. Title of the project: Lithotomy vs prone position for perianal surgery- A randomized controlled trial
Name of the principal investigator: Dr.Pankaj Kumar
Funding agency: AIIMS, Bhubaneswar
Duration, Start year : 1 year, 2019
Funds: NIL
IEC approval number: T/IM-NF/Gen.Surg/19/49

Departmental Projects(Thesis)

1. Title of the project: Enhanced recovery after surgery versus conventional approach in peptic perforation- a randomized controlled trial
Name of the principal investigator – Dr Tushar S. Mishra
Funding agency: Non-Funded
Duration, Start year: 2 years, 2019
Funds: Rs NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/65
2. Comparison of mesh fixation with tackers to use of self-fixating mesh in total extra peritoneal inguinal hernia repair: A double blinded randomized controlled trial (SELFITAC TRIAL)
Name of the principal investigator – Dr Tushar S. Mishra
Funding agency: Non Funded
Duration, Start year: 2 years, 2017
Funds: Rs NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/39
3. Comparison of Enhanced Recovery after Surgery vs conventional approach in Gastric Cancer –A randomized controlled trial.
Name of the principal investigator – Dr Tushar S. Mishra
Funding agency: Non-Funded
Duration, Start year: 2 years, 2017
Funds: Rs NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/17

4. Title of the project- Validating the concept of depth of Pre-mammary fascia and Breast parenchyma with Histological correlation in Mastectomy for determining optimum skin flap thickness to prevent necrosis.
Name of the principal investigator – Dr. Prakash Kumar Sasmal
Funding agency: AIIMS, Bhubaneswar
Duration, Start year: 2year, 2019
Funds: Rs NIL
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/51
5. Title of the project: Comparative study between Desarda and Lichtenstein's technique for inguinal hernia repair under local anaesthesia: A double blind randomised controlled trial
Name of the principal investigator: Dr Prakash Kumar Sasmal
Funding agency: Non-funded
Duration, start year: 2 yrs, 2018
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/38

PUBLICATIONS

1. Behera B, Mohanty S, Mahapatra A, Hallur VK, Mishra B, Dey A, Kumar R, Mishra TK, Sasmal PK, Sinha M, Mohapatra PR, Panigrahi MK, Preetam C, Das RR. Melioidosis in Odisha: A clinico-microbiological and epidemiological description of culture-confirmed cases over a 2-year period. *Indian J Med Microbiol.* 2019 ;37(3):430-432. PMID: 32003346.
2. Purohit G, Mohanty S, Tirkey R, Sasmal PK. Inadvertent detection of massive *Enterobius vermicularis* infection in an asymptomatic adult with rectal blowout following barotrauma. *Ann Parasitol.* 2019;65(1):103-105, PMID: 31127895.
3. Sasmal PK, Sharma R, Patra S, Mishra TS, Mishra P, Rout B. Malignant Extra-Gastrointestinal Stromal Tumor of the Mesentery. *Surg J (N Y).* 2019;5(3):e65-e68. PMID: 31380468.
4. Kumar Sinha M, Mohakud S, Mishra TS, Barman A. An unusual presentation of gastric fistula following peptic perforation repair: A case report. *Int J Surg Case Rep.* 2019;56:29-31. PMID: 30818159; PMCID: PMC6393669.
5. Samal S, Monohar DB, Adhya AK, Sinha M, Mitra S. Cutaneous Epithelioid Angiomatous Nodule of Breast. *Indian Dermatol Online J.* 2019;10(4):463-466. PMID: 31334072.
6. Behera G, Purkait S, Patra S, Sasmal PK, Majumdar SKD, Das DK, Naik S, Singh PK. Extra-nodal Cytokeratin-Positive Interstitial Reticulum Cell Sarcoma Presenting as a Colonic Polyp: Report of a Rare Case with Review of Literature. *J Gastrointest Cancer.* 2020;51(3):1034-1038. PMID: 32124238.
7. Tripathy S, Mandal I, Rao PB, Panda A, Mishra T, Kar M. Opioid-free anesthesia for breast cancer surgery: A comparison of ultrasound guided paravertebral and pectoral nerve blocks. A randomized controlled trial. *J Anaesthesiol Clin Pharmacol.* 2019;35(4):475-480. PMID: 31920230.
8. Sinha MK, Mishra P, Mishra TS, Barman A. Aspiration and steroid injection in ganglion cysts: An ultrasound guided evaluation of the response. *J Clin Orthop Trauma.* 2019;10(Suppl1):S252-S257.. PMID: 31700215.

PATIENT CARE / HOSPITAL SERVICES

Total OPD registration: 50658

Minor OT: 939

Coloproctology Clinic: 6542

Dressing Room: 8049

Endoscopy: 6

Major OT: 969

IPD Admissions: 2098

AWARDS, HONORS & SIGNIFICANT EVENT

Dr. Manash Ranjan Sahoo

1. Awarded by the Nilakantha Misra Seva Pratisthan for contribution to health care advancement in Odisha on August 18th 2019.
2. Appointed as Governing Council Member in College of Association of Minimal Access Surgeons of India (AMASI) on August 28th 2019.

Dr Prakash Kumar Sasmal

1. Received the 1st Prize and the Best Faculty Paper Award in the Faculty paper presentation titled, Laparoscopic management of insulinoma of the pancreas: Tips and Techniques in the 79th Annual Conference (ASICON 2019), held at Bhubaneswar from 18th-21st December 2019.

Dr.S.M Ali

1. Awarded FAIS from Association of Surgeons of India in December 2019.

Dr. Pankaj Kumar

1. Awarded with "Fellowship in Minimal Access Surgery (FMAS)" by the Association of minimal access surgeon of India (AMASI).

Dr. Pradeep Kumar Singh

1. Awarded with "Fellowship in Minimal Access Surgery (FMAS)" by the Association of minimal access surgeon of India (AMASI).

Dr. Bikram Rout

1. Dr. Bikram Rout cleared the Endoscopy Fellowship of Indian Association of Gastrointestinal Endosurgeons (EFIAGES) held at GSL Medical College, Rajahmundry between 31st May and 2nd June 2019.
2. Successfully completed the Online Basic Course in Biomedical Research organized by the ICMR and NIE, September to December 2019 Session with a consolidated assignment score of 96%.

Dr. Shritosh Kumar (Postgraduate student)

1. Presented a paper based on his thesis, "ERAS in Gastrectomy-A Randomised Clinical Trial," at the 48th World Congress of Surgery held in Krakow, Poland, from 11th -15th August 2019. His paper was adjudged as the Best Paper in that section for which he was awarded the Graham Hill's prize.



Dr. Manash R Sahoo receiving the Nilakantha Misra Seva Pratisthan award for contribution to health care advancement in Odisha in on 18th August 2019.



Dr. Manash R Sahoo was felicitated at Advances in Clinical Care Conference, held at Jamshedpur, Jharkhand, on 21st September 2019 for contribution to Advanced Laparoscopic Surgery.



AMASI skill course and FMAS exam held at AIIMS, Bhubaneswar



Annual Conference of Asian Society of Mastology, 2019 at AIIMS, Bhubaneswar



Dr. S.M Ali awarded FAIS from Association of Surgeons of India, 2019



Dr. P K Sasmal received the Best Paper award in ASICON 2019



Organising team of ASOMACON 2019, held at AIIMS, Bhubaneswar.



With Breast cancer Survivors in ASOMACON2019



Training program on Breast cancer for ASHA workers at AIIMS, Bhubaneswar, on 14th November 2019



Lymphedema workshop for nursing students at AIIMS, Bhubaneswar, on 15th November 2019.



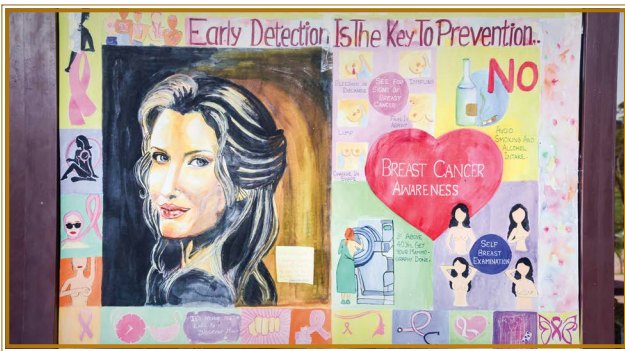
Scientific paper writing workshop conducted at AIIMS, Bhubaneswar, on 16th November 2019



Dr. P K Sasmal presented a paper at WCS Poland 2019 on 12th August 2019



MCH/DNB Surgical Gastroenterology Curriculum Revision Committee meeting in New Delhi on 28th June 2019.



Painting competition breast cancer awareness, at AIIMS, Bhubaneswar, on 16.11.2019



Dr. Tushar S Mishra with MECON faculty members, in 2020



Surgery unit 2 team -Laparoscopic Whipple's procedure



Surgery unit 1 team- Total Laparoscopic transhiatal esophagectomy



"Team"-The Department of General Surgery 2019-20



HOSPITAL ADMINISTRATION

HOSPITAL ADMINISTRATION

FACULTY

Dr. Jawahar S K Pillai
Additional Professor & Head

Dr. (Maj) Mukunda Chandra Sahoo
Associate Professor

HIGHLIGHTS

The Department of Hospital Administration was established on 05 Jul 2018 on the 2nd Floor of Hospital OPD Block at AIIMS Bhubaneswar. Since the establishment of the department, the team has been instrumental in taking the lead role in various hospital activities, particularly related to Swachhata Mission under the Kayakalp initiative. Events like Swachhata Pakhwada, Swachhata Hi Sewa Campaign with 'Walkathon', Painting competition among school children, Cyclathon, Essay writing competition, street plays by the student and staff at various public places for the plastic-free campaign were conducted. AIIMS Bhubaneswar received the National Kayakalp Award- runner, up prize in category B for 2019. The department has also led the AIIMS Bhubaneswar Quality Council (ABQC) with its 8 committees initiating quality programmes in various patient care activities. The department has organized a seminar on Quality & Patient Safety in healthcare for nursing officers & students. Special training programmes were conducted on cleaning methodology and disinfection for sanitary attendants. The department was instrumental in developing infrastructure like counter communication systems, signages, etc. The department is also managing the patient services at AIIMS Satellite Centre at Balasore and monitoring the infrastructural progress. The department is actively involved in the development of SOP for the house keeping services for Ayushman Bharat and started the monthly award for the house keeping and security staffs. Again, the department constantly provides its input in BMW management, infrastructural works in the hospital. In the COVID crisis, the department of hospital administration played its role as a coordinator and started the 24x7 control room service. The department has organized different training programmes on COVID management for the health care workers and the nursing staff for better management of patient service.

EDUCATION

The department of hospital administration has improved its hospital service with the entry of two postgraduate students. The academic sessions consist of seminars and lectures, group discussions, media mirrors for the update on current affairs, journal clubs & case discussions. The faculty and residents are also engaged in taking academic sessions on hospital and healthcare management topics for students in other departments and for B.Sc. and M.Sc. students at the College of Nursing. The faculty are also engaged in continuous educational training programmes on occupational health hazards like needle stick injuries, body fluid exposure and hand hygiene to resident doctors, nursing officers, and training on cleaning and disinfection methods for sanitary attendants through the HRD cell. The department has also conducted induction training programmes for nursing officers in which the residents and faculties took sessions on biomedical equipment management, workplace safety, patient safety, incident reporting, infection control, public relations, grievance handling & communication skills.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Jawahar S K Pillai

1. Participated as a delegate in Medical Education Conference and Workshop (MECON 2020) on 23rd - 25th January 2020 at AIIMS, Bhubaneswar.
2. Speaker cum trainer in Disaster management in CRBN Warfare- Role of Hospitals from 20th December 2019 at Paradip Port Ltd.
3. Participated in Workshop on Introduction to EHR standard by CDAC on 21st August 2019 at AIIMS, Bhubaneswar organized by Department of Information Technology, AIIMS, Bhubaneswar. Odisha.

Dr. (Maj) M C Sahoo

1. Participated as a delegate in the 38th Annual Conference of Indian Association of preventive and social Medicine, Odisha State branch 2020(IAPSM) on 11th-12th January 2020 at AIIMS, Bhubaneswar.
2. Participated as a delegate in Medical Education Conference and Workshop (MECON 2020) from 23rd - 25th January 2020 at AIIMS, Bhubaneswar.
3. Participated in Workshop on Introduction to EHR standard by CDAC on 21st August 2019 at AIIMS, Bhubaneswar organized by Department of Information Technology, AIIMS, Bhubaneswar. Odisha.
4. Participated as a Delegate in the seminar on Ayurveda for longevity on 24th October 2019 at AIIMS, Bhubaneswar.
5. Delivered lecture on "Management of Medical Emergencies and concept of Safe Hospital" on 27th August 2019 in Continuous Education Programme (CEP) on Disaster Management and Emergency Preparedness in Test Range (ITR), DRDO, Chandipur.

6. The Resource person in World Diabetes Day 2019 celebration on 07/12/2019 at Satellite Centre, Balasore (Venue: Range Officers Mess Institute (ROMI), DRDO, Balasore. Delivered the lecture on "Holistic Approach to Diabetes Management.
7. Organized a free De-addiction camp on 28th December (Saturday), 2019 by Department of Psychiatry at Defence Colony Satellite Centre, Balasore, as approved by the competent authority.
8. The Resource person in World Environment Day 2019 on 5th June celebration at Integrated Test Range, DRDO, Balasore. Delivered lecture on "Air pollution & health."

RESEARCH

Funded Projects:

Ongoing:

1. Title of the Project: Role of training in improving the Knowledge and Practices of Health Care Professionals (HCPs) in Bio-Medical Waste Management practices at AIIMS, Bhubaneswar
Name of the principal investigator: Dr (Maj) M C Sahoo
Name of funding agency-AIIMS, Bhubaneswar
Duration, start year- 1 year, 2019
Funds- Rs 60,000/-
IEC approval number: IMF/30/2018

Departmental:

Non-Funded Projects:

1. Title of the project: A study of pharmacy inventory control using ABC-VED analysis of a tertiary hospital in an institute of national importance in Eastern India.
Name of the principal investigator: Dr. Jawahar S K Pillai
Funding agency: Non funded
Duration, Starting year- 3 Months, 2019
Funds- Nil
IEC approval number: T/IM/NF/HOSADMI/19/56
2. Title of the project: Activity Based costing to ascertain the cost of surgical ICU bed at an Institute of national importance
Name of the principal investigator: Dr Jawahar S K Pillai
Funding agency: Non funded
Duration, start year: 2 years, 2019
Funds- Nil
IEC approval number: IEC/AIIMSBBSR/PR Thesis/2019-20/34
3. Title of the project: Study of Hazard Identification and Risk Assessment at AIIMS Bhubaneswar
Name of the principal investigator: Dr (Maj) M C Sahoo
Funding agency: Non funded
Duration, starting year-2 year, 2019
Funds- Nil
IEC approval number: IEC/AIIMSBBSR/Thesis/2019-20/80

Collaborative projects:

Ongoing:

1. Title of the project. : Evidence based health systems reforms in India-Quality of care in hospitals
Name of the principal investigator: Dr. Jawahar S K Pillai
Funding agency: Harvard T H Chan School of Public Health & Govt of Odisha
Duration, start year: 1 year, 2019
Funds: NIL
IEC approval number:T/EMF/Hos.Admin/11

PUBLICATIONS

1. Mukunda Chandra¹, Gupta Shakti Kumar², Gupta NP³, Singh IB⁴, Planning Premises and Design Considerations of Facility for Robotic Surgery 1st Edition – New Delhi: J P Brothers; 2020.

PATIENT CARE / HOSPITAL SERVICES

The department of hospital administration is managing the Control room on the Ground floor, near MS Office. The primary role of the control room is to assist the day-to-day operational issues in the hospital and to assist patients and staff. Any grievance of patients and staff are also managed here in consultation with Medical Superintendent and Jt. Medical Superintendent.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Nominated as a member of the committee for establishing Medical College and Hospital, Mahanadi Coal Fields.
2. Functioning as chairman and member of the various committees of the Institute and contributed to manpower planning and hospital designing for ISPAT General Hospital – Rourkela
3. Organized Mega Health Camp on 14th July 2019(Sunday) at Satellite Centre, Balasore, on the occasion of foundation day of AIIMS, Bhubaneswar.



Kayakalp Award – National Runner up in Category B, 2018-2019



Best Employee Award by Hon'ble Union Health Minister, 2019



Hon'ble Union Health Minister visit AIIMS Bhubaneswar along with Members of parliament on the occasion of inauguration & dedication of Cath Lab, OT & Fluoroscopy Unit at AIIMS Bhubaneswar on the birth anniversary of Prime Minister Late Shri Atal Vajpayee Ji, in 2019.



Appreciation of doctors by Shri B K Das, Director, ITR at AIIMS Satellite Centre, Balasore, 2019



Felicitation of Sanitary Inspector by Director, AIIMS Bhubaneswar



Seminar on Quality & Safety in Healthcare, AIIMS Bhubaneswar on 9th November 2019.



Director & DDA inaugurating MoCycle Station during Cyclathon Event, September 2019



Cloth Bag Distribution by Shri Prem Chandra Choudhary, Commissioner, Bhubaneswar Municipal Corporation, on October 2019.



Essay Competition Winner during Swachhata Hi Sewa Campaign, April 2019



Street play during Swachhata Hi Sewa Campaign, April 2019



AIIMS Cyclathon:2019



AIIMS Walkathon: 7th April 2019



Swachhata Pledge: 1st to 15th April 2019



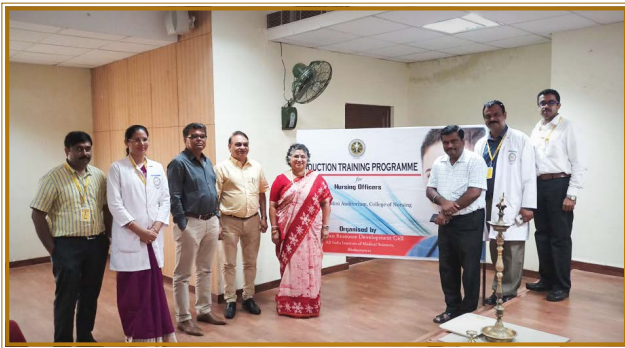
Swachhata Pledge: 1st to 15th April 2019



Campus Cleaning Drive: April 2019



Induction Training Program by HRD cell: 2019



Induction Training Program by HRD cell: 2019



Best Employee Award by Hon'ble Union Health Minister, 2019



Kayakalp Peer Assessment on 22nd November 2019



Kayakalp Peer Assessment on 22nd November 2019



Kayakalp Peer Assessment on 22nd November 2019



MEDICAL ONCOLOGY
& HEMATOLOGY

MEDICAL ONCOLOGY & HEMATOLOGY

FACULTY

Dr. Prabodha Kumar Das
Professor and Head

Dr. Sonali Mohapatra
Associate Professor

Dr. Asutosh Panigrahi
Assistant Professor

HIGHLIGHTS

The department was started in July 2016 with one faculty. Later on, faculty strength has been increased to three, including Professor and Head of the Department, who joined the Department in June 2018. All three faculties are involved in patient care, teaching, and research. The department is providing services for all haematological diseases of adults and paediatrics along with paediatric/adolescent and young adult solid tumours. The faculties have been actively involved in various teaching programmes at the Institute. In collaboration with ILS, Bhubaneswar, we are conducting research projects on chronic myeloid leukemia (CML). We are participating in the Indian Paediatric Oncology Group (In POG) study titled "Study of treatment and outcome of chronic myeloid leukaemia in children and adolescents in India", and "Assessing Childhood Cancer services in India (ACCESS INDIA STUDY)"; a multicentric collaborative studies. The department has organized a college level haematology quiz for postgraduate students on 25th August 2019. The department also celebrated the World CML (Chronic Myeloid Leukemia) day on 22nd September 2019 in OPD/Day-care premises with CML patients. DM course in Clinical Hematology started in the department from January 2019 with two students per year. AIIMS, Bhubaneswar, is the first Institute in the state of Odisha to offer DM course in Clinical Haematology. Currently, two dissertations and six other research projects are going on.

EDUCATION

The department runs a Postdoctoral course(DM) in Clinical Haematology from Jan 2019. For our DM Students, we have a structured program that consists of the topic seminar, journal club, clinicopathological meeting, radiology meeting and case presentations and grand rounds. The department is involved in Integrated Undergraduate teaching. Besides clinical teaching, we take classes for undergraduate and postgraduate students of different disciplines. The department is also involved in the teaching of B.Sc Nursing and other paramedical students. The department is actively participated in conducting the interdepartmental seminars with Pathology, Paediatric Surgery, Surgical Oncology, Radiology, and Radiotherapy departments.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Prabodh Kumar Das

1. Attended as invited faculty to the Sickle Cell Update 2020, on 18th and 19th January 2020, held at Surat, Gujarat, and was involved in Panel discussions on "Newer therapy of sickle cell disease and Prevention of Sickle Cell disease Program in India."
2. Attended as invited faculty to the 18th Annual International Conference organized by Rajiv Gandhi Cancer Institute & Research Centre (RGCON 2020) from 7th to 09th February 2020, held at New Delhi. Actively interacted with patients with Myeloma in "MYELOMA MEET" in small groups to address their issues; Chaired sessions on "Peripheral Inserted Central Catheter Line insertion," "Minimal Residual Disease in Chronic Lymphocytic Leukemia" and "Sequencing of Novel Agent in 1st Relapse in Multiple Myeloma."

Dr. Sonali Mohapatra

1. Attended the 23rd Annual Conference of Pediatric Hematology and Oncology (PHOCON) from 6th-8th Sept 2019 at IMS, Banaras Hindu University (BHU) and delivered a talk on "Gene Therapy in Thalassemia"; invites as Panelist in the discussion on "Difficult Anemias."
2. Invited as a guest faculty and moderated the panel discussion on 'FAQ's by survivors of childhood cancer' in the CME Pediatric Hematology-Oncology on 1st February 2020 at Advanced Pediatric Center (APC), PGIMER, Chandigarh and chaired a session on "Supportive care in Pediatric Oncology."
3. Invited as a guest faculty and participated as Panelist in the discussion on "Relapsed Hodgkin Lymphoma" in the 19th Annual International Conference of Rajiv Gandhi Cancer Research Institute (RGCON 2020) on 09th February 2020 at New Delhi.
4. Invited as a guest faculty for the 60th Annual Conference of Indian Society of Hematology and Blood Transfusion (HAEMATOCON 2019) from 7th-10th November 2019 and held at New Delhi; chaired a session on "Pediatric Hematology."

Dr. Asutosh Panigrahi

1. Attended the 60th National Conference of Indian Society of Hematology and Blood Transfusion (HEMATOCON 2019) on 09th November 2019 at New Delhi, where i was invited as a panelist in the panel discussion titled "Practical Considerations in using monoclonal antibodies in multiple myeloma," moderated by Dr. Hari Menon.
2. Attended the 05th Annual Conference of Bengal Society of Hematology (BESHCON 2020) on 15th February 2020 at Kolkata as a panelist, in the panel discussion titled "Inherited Bone Marrow Failure Syndromes".
3. Participated as an invited faculty in the 1st SUM Annual CME & Workshop on Laboratory Haematology with the Theme "Haemostasis testing and its clinical perspectives" on 5th August 2019 at IMS & SUM Hospital, Bhubaneswar, Odisha and delivered a lecture on "Management of Haemophilia."

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

1. Title of the project : "Accessing Childhood Cancer services in India (ACCESS INDIA STUDY)": Indian Pediatric Oncology Group (In POG) multicentric study.
Name of the principal investigator: Dr. Sonali Mohapatra
Name of the funding agency- Tata Trust, JivDaya Foundation, Cankids
Duration, start year: 1 year, 2020
Funds: Total cost : Rs. 1,00,00,000/-
IEC Approval no: T/EMF/Med.Onco/19/24

Departmental:**Ongoing:**

1. Title of the project. Leukoencephalopathy secondary to Methotrexate therapy in patients of Acute Lymphoblastic Leukemia and its relationship with serum Homocysteine, Vit B12, and Folate levels: A Prospective Study.
Name of the principal investigator: Dr Prabodh Kumar Das
Name of the funding agency: Non funded
Duration, start year: 2 years, 2019
Funds: Total cost. Nil
IEC Approval no: IEC/AIIMS BBSR/PG THESIS/2019-20/73

PATIENT CARE / HOSPITAL SERVICES

The department caters to patients with hematological disorders of all age groups. The children and young adults with solid tumours are also taken care of in our department. It caters to the patients from Odisha and neighbouring states of eastern India. The outpatient department runs three days a week. The department runs special clinics for Hemoglobinopathies, Cancer Survivors, and Pediatric solid tumors. The department has a Day-care facility with 9 beds where most of the patient care services like chemotherapy, transfusion of blood products and supportive care are provided. The department has a separate procedure room with Central Oxygen, Cardiac Monitor, Crash cart, where procedures like lumbar puncture and intrathecal chemotherapy and bone marrow aspirate and biopsy are undertaken. The department has 25 bedded inpatient with a four bedded High Dependency Unit. Following is the patient of our department in the year 2019-20.

1. OPD Attendance - 24,276
2. Patients Seen in Special Clinics- 302
3. Chemotherapy given in Daycare- 8574
4. Inpatient Admission - 853

The overall tyep of patients and their number that our department has treated last year is as follows Acute Leukemias (Acute Lymphoblastic Leukemia/Acute Myeloid Leukemia) - 218, Chronic Leukemias (Chronic Myeloid Leukemia/Chronic Lymphocytic Leukemia)- 142, Lymphomas - 83, Multiple Myelomas-47, Paediatric Solid Tumors- 93, Thalassemia- 57, Sickle cell Anaemia- 97, Other Benign Haematological cases - 98



MICROBIOLOGY

MICROBIOLOGY

FACULTY

Dr. Baijayantimala Mishra
Professor & Head

Dr. Srujana Mohanty
Additional Professor

Dr. Vinaykumar Hallur
Associate Professor

Dr. Ashoka Mohapatra
Additional Professor

Dr. Bijayini Behera
Associate Professor

Dr. Kavita Gupta
Assistant Professor

HIGHLIGHTS

The Department organized a CME-cum-Workshop on 9th & 10th November 2019. The topic of the workshop was "Antimicrobial susceptibility testing addressing CLSI 2019 guidelines". Nearly 150 enthusiastic participants from various medical colleges of Odisha and West Bengal participated in the CME and workshop. Faculties and residents of Dept. of Microbiology along with Nursing staff and Tutors visited Doon International School & Shishu Mandir in Bhubaneswar to educate and train the children for Hand Hygiene on 15th and 17th April 2019. A wide range of diagnostic tests are carried out for laboratory diagnosis of bacteria, viral, fungal & parasites for various clinical specimens. Department is also conducting molecular diagnostic tests for Respiratory viruses as well as hepatitis viruses. The Department of Microbiology was designated as covid-19 testing center in March 2020 and became one of the leading labs in Odisha for covid-19 testing. The testing of covid-19 samples by RTPCR started from 24th March 2020. As covid testing center, it catered to the samples from two districts of Odisha along with the samples from patients attending the screening clinic and admitted patients of AIIMS, BBSR.

EDUCATION

At present department is involved in postgraduate (MD), undergraduate (MBBS), B.Sc. Nursing and paramedical teaching. The teaching curriculum is well organized and strictly follow the guidelines of our institute. The department started the clinical based practical classes for MBBS Microbiology students. The postgraduate training aims to produce a post-graduate student who after undergoing the required training should be able to deal effectively with the needs of the community and should be competent to handle all problems related to his/her specialty including recent advances and research. Elaborative log book for MD students with questionnaires and discussion sets for each section posting is prepared. All students are evaluated periodically for their progress by means of theory-based exams as well as practical exercises.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Baijyanatimala Mishra

1. Attended the Annual Conference of Clinical Infectious Disease Society India, Kerala on 23rd – 25th August 2019 and presented a poster on "Molecular Spectrum of "rpoB Gene Mutation in Mycobacterium Tuberculosis by Xpert Mtb/Rif Assay at a Tertiary Care Centre in Eastern India".
2. Attended the National Conference of Indian Association of Medical Microbiologists (Microcon) from 29th Nov – 1st December 2019, Mumbai, India and presented an oral paper on "Non tuberculous Mycobacteria clinically presenting as MDR-TB: a case series from eastern Indian hospital" and acted as judge for "Dr SR Sengupta- Dr. AM Saoji memorial prize for Best Paper in Immunology.
3. Attended workshop on AMSP IAMMCON at Apollo hospital, BBSR on 28th September 2019 and delivered a lecture on "Why Antimicrobial stewardship is important?"
4. Attended 13th Annual conference of IAMM, Odisha chapter, 2019 organized by Apollo hospital BBSR on 29th Sept 2019. The theme of conference was "Preventing antimicrobial resistance: a step towards preserving antimicrobials"
5. Delivered a talk on "Novel Coronavirus and its menace" organized by Odisha Chapter Chest Society, on 15th February 2020 at Bhubaneswar.
6. Delivered a talk on "Novel Corona virus awareness", at IIT, Bhubaneswar, on 5th March 2020.

Dr. Ashoka Mohapatra

1. Attended the Workshop on Effective Medical Literature Search organised by AIIMS, Bhubaneswar, on 27th April, 2019
2. Attended the CME and workshop on Surveillance of HAI, NSI and BMW at Apollo Hospital Bhubaneswar on 26th May 2019.
3. Delivered a guest lecture on "Infection control for handling & disposal of dead bodies" at 37th Annual conference of Medicolegal Society of Odisha, organised by department of FMT at AIIMS, Bhubaneswar on 1st June, 2019.
4. Attended International Conference on Prevention and Infection Control CIG conference Centre, Geneva, Switzerland on 12th-15th September 2019 and presented a paper on Impact of Modified CDC/NHSN Surveillance Definition on the Incidence of CAUTI: Study from an Indian Tertiary Care Hospital."

5. Attended the workshop on R-Basic Biostatistics (R "NAWORB") at AIIMS BBSR from 24th-27th September 2019.
6. Attended 13th Annual conference of IAMM, Odisha chapter, 2019 organized by Apollo hospital BBSR on 29th Sept 2019. She also attended Preconference workshop on 28th September 2019.
7. Panellist in the Panel discussion "Antimicrobial Stewardship" at 26th East Zone PEDICON & 40th State PEDICON 2019, IAP Odisha State branch at Hotel Blue Lily, Puri, 16th November, 2019.
8. Delivered a talk on Phenotypic & Genotypic methods of detection of antibiotic resistance in GNB in the CME "Antimicrobial susceptibility testing addressing CLSI 2019 guidelines", organized by department of Microbiology, AIIMS Bhubaneswar on 9th-10th November 2019.
9. Participated in the Medical Education Conference and Workshop 2020 held at AIIMS Bhubaneswar from 23rd-25th January 2020.

Dr. Srujana Mohanty

1. Attended RAJTROPACON- 2019, 3rd Rajasthan Chapter of Indian Academy of Tropical Parasitology, AIIMS Jodhpur on 5th - 6th April 2019. She delivered an invited guest lecture on the topic "Hymenolepis nana: An Indian perspective", and also acted as judge for the free poster category competition at the conference and was one of the panelists in the Panel discussion "Intervention strategies to control soil transmitted helminthiasis".
2. Attended the Second Chapter Meet, IAMM –Delhi Chapter, organized by Sir Gangaram Hospital New Delhi on 20th July 2019 and presented a paper entitled "Melioidosis of the head and neck: a case-series from Eastern India".
3. Attended the 9th Annual Conference of the Clinical Infectious Diseases Society (CIDSCON 2019), Kochi, Kerala between 23th – 25th August 2019 and presented a paper titled "Urinary Tract Infection due to Group B Streptococcus: Experience at an Indian Tertiary Care Centre" at the conference.
4. Attended the 13th Annual Conference of IAMM-Odisha Chapter, organized by Apollo Hospital, Bhubaneswar on 29th September 2019. She was co-author in a paper titled "Melioidosis: Spectrum of skin and soft tissue manifestations, a case series from Odisha" presented at the conference.
5. Attended the 5th National Sepsis Congress of APCC-India, Delhi on 19th October 2019. She presented a paper titled "Detection and characterization of antimicrobial resistance and putative virulence genes in Enterococcus species isolated from clinical samples" and was co-author in a paper titled "Prevalence of Burkholderia pseudomallei from suspected cases of localized melioidosis in Eastern India" presented at the conference.
6. Was the Organizing Secretary and Facilitator for CME-cum-Workshop on "Antimicrobial Susceptibility Testing Addressing CLSI 2019 Guidelines", organized by Department of Microbiology, AIIMS Bhubaneswar on 9th-10th November 2019. She delivered a lecture on topic "Phenotypic & Genotypic methods of detection of antibiotic resistance in GPC" in the CME.
7. Attended MICROCON 2019, 43rd Annual National Conference of Indian Association of Medical Microbiologists (IAMM), organized by Lokmanya Tilak Municipal Medical College & Gen Hospital, Mumbai on 29th November to 1st December 2019. She presented a paper titled "Urinary tract infection due to Aeromonas species: an uncommon causative agent" in the conference. She also acted as judge for award session in Dr.SR Sengupta- Dr.AM Saoji Memorial prize for the best Oral Paper Immunology.

Dr. Bijayini Behera

1. Attended the workshop on Effective Medical Literature Search organized by the Institute Research Committee at AIIMS, Bhubaneswar on 26th April 2019.
2. Attended the CME and workshop on Surveillance of HAI, NSI and BMW at Apollo Hospital Bhubaneswar on 26th May 2019 and participated as a panellist in the panel discussion "Challenging cases in HAI surveillance". She also delivered a talk on "Ominous threat of intrinsically Colistin resistant pathogens: An analysis of E. meningoseptica and C. indologenes blood stream infections."
3. Attended the 16th National Conference of Hospital Infection Society (HISICON 2019) at Kolkata on 13th-15th September 2019 and presented a poster on "Investigation of a health care associated cluster of Serratia marcescens -the role of gyrB sequencing."
4. Delivered a talk on "Quality control and Quality assurance in Antimicrobial susceptibility testing" in the CME and Workshop on Antimicrobial Susceptibility Testing Addressing CLSI 2019 Guidelines organized by the Department of Microbiology, AIIMS, Bhubaneswar on 9th-10th November 2019. Drafted and edited the workshop manual and supervised the workshop stations.
5. Attended 13th Annual conference of IAMM, Odisha chapter on 29th September 2019 and contributed an article titled 'Ominous threat of intrinsically Colistin resistant pathogens: An analysis of E. meningoseptica and C. indologenes blood stream infections' in the souvenir.
6. Delivered a lecture on "Antibiotics Resistance in Gram Negative Bugs" in a workshop on 'Course on Principle of

Antibiotics Prescription' on 19th January 2020 at SOA University Bhubaneswar under the aegis of Critical Care Medicine Academics & Research.

7. Trained residents on "Sample Collection and Transport for Covid-19" in continuous multiple sessions during March 2020.

Dr. Vinaykumar Hallur

1. Attended 9th Trends in Medical Mycology conference held at Nice, Acropolis Convention Centre, France and presented a poster titled "Novel Cunninghamella species causing mucormycosis in an apparently immunocompetent individual between 11th-14th October 2019.
2. Attended MECON 2020 held at AIIMS Bhubaneswar between 23th-25th January 2020 and participated in a debate on "Whether internet is beneficial for medical education?".
3. Attended as a faculty in the 13th National conference of Society of Indian Human and Animal mycologists at AIIMS Jodhpur and delivered a talk on "Chromoblastomycosis" between 12th-15th February 2020
4. Nominated as resource faculty to conduct the faculty development programme on "Principles & Practice of Medical Education" at AIIMS, Kalyani for the newly joined faculty members from August 1st to 3rd August 2019.
5. Organizing team member in CME & Workshop on "Antimicrobial susceptibility testing Addressing CLSI 2019 Guidelines" organized by the Department of Microbiology, AIIMS, Bhubaneswar and delivered a lecture on "CLSI Overview". Also conducted a session on Interpretation of molecular methods for susceptibility testing between 9th & 10th November 2019.
6. Attended 13th Annual conference of IAMM, Odisha chapter on 29th September 2019

Dr. Kavita Gupta, Assistant Professor

1. Attended 16th National Conference of Hospital Infection Society (HISICON 2019) at Kolkata on 13th-15th September 2019.
2. Attended the workshop on R-Basic Biostatistics at AIIMS BBSR on 24th- 27th September 2019.
3. Attended 13th Annual conference of IAMM, Odisha chapter, 2019 organized by Apollo hospital BBSR on 29th September 2019
4. Delivered a talk on Challenges and issues in CLSI & EUCAST in the CME and Workshop on Antimicrobial Susceptibility Testing Addressing CLSI 2019 Guidelines organized by the Department of Microbiology, AIIMS, Bhubaneswar on 9th-10th November 2019.

RESEARCH

Funded Extramural Projects:

Ongoing:

1. Title of the project - Translational Consortium for Chikungunya virus infection (Multicentric project)
Name of the Principal investigator – Dr Baijyanatimala Mishra
Name of the Funding agency - Biotechnology Industry Research Assistance Council
Duration- Four years
Start year- 2019
Funds - 21.91 Lacs
IEC approval number: T/EMF/Micro/19/09
2. Title of the project - Harmonized One Health Trans-species and community Surveillance for Tackling antimicrobial Resistance in developing country context (HOT-STAR)-India" (Multi-centric Project)
Name of the Principal investigator – Dr Ashoka Mahapatra
Name of the Funding agency - Biotechnology Industry Research Assistance Council (BIRAC) through INCLEN [International clinical epidemiology network]
Duration-One year
Start year-2019
Funds - 3, 24,000/-
IEC approval number: T/EMF/Micro/18/16
3. Title of the project- Capacity Building and Strengthening of Hospital Infection Control to detect and prevent antimicrobial resistance in India (CDC Funded Multi-centric project)
Name of Site Principal Investigator- Dr. Bijayini Behera
Name of the funding agency-CDC
Duration- 4 years,
Start year-2017

Funds- 42, 21, 935
IEC approval No: T/EM-F/Micro/16/27

4. Title of the project- Development of multiplex recombinase polymerase amplification (RPA) based diagnostic test for invasive fungal infection (DST SERB)
Name of Principal Investigator- Dr Vinaykumar Hallur
Name of the funding agency- DST SERB
Duration- 3 years
Start year-2019
Funds- -33, 94, 534
IEC approval No- T/EMF/Micro/18/11
5. Title of the Project. - Rotaviral diarrhoea among children aged six months to five years- Post Rota vaccination scenario in Khurda district of Odisha (Eastern part of India)
Name of the principal investigator – Dr Ashoka Mahapatra
Name of the Funding agency – National Health Mission (NHM) Odisha
Duration-18 months
Start year-2020
Funds - Rs- 6,70,000/-
IEC approval number: T/EMF/Micro/19/20 dated 16th Sept ,2019

Completed:

1. Title of the project. Evaluation of Fosfomycin NP test for rapid detection of fosfomycin susceptibility in multidrug resistant Gram-negative urinary isolates
Name of the principal investigator: Dr. Srujana Mohanty
Funding agency: ICMR –STS Duration
Start year: July 2019
Funds: Rs. 10,000/-
IEC approval number: IEC/AIIMS BBSR/STS/2019-20/03

Funded Intramural:

Ongoing:

1. Title of the project- Virulence profile of Helicobacter pylori from AIIMS Bhubaneswar
Name of the principal investigator: Dr Vinaykumar Hallur
Funding agency: AIIMS Bhubaneswar
Duration- 2 years
Start year: 2018
Funds: Rs.3, 76, 677
IEC approval number: T/ IM-F/ 17-18/ 10
2. Title of the project- Molecular characterisation of carbapenem-resistant Acinetobacter baumannii clinical isolates and their susceptibility status for Polymyxins and Tigecycline
Name of the principal investigator: Dr Kavita Gupta
Funding agency: AIIMS Bhubaneswar
Duration- 2 years ,
Start year: 2019
Funds: Rs.2, 80, 000
IEC approval number: T/ IM-F/ 18-19/ 31
3. Title of the project Effect of rapid detection of carbapenemases directly from positive blood cultures on early optimization of antimicrobial therapy in Gram negative septicaemia
Name of the principal investigator: Dr. Bijayini Behera
Funding agency: AIIMS Bhubaneswar
Duration- 2 years
Start year: 2019 ,
Funds: Rs. 4, 94,560
IEC approval number: T/IM-F/19-20/01
4. Title of the Project. - Bacterial contamination of high & moderate risk surface areas in hospital premises of AIIMS, Bhubaneswar.
Name of the principal investigator: Palak Kumar Singh (5th semester MBBS student)
faculty guide Dr Ashoka Mahapatra
Name of the Funding agency – AIIMS, Bhubaneswar
Duration-45 Days
Start year: 2020

Funds - Rs- 10,000/-
IEC approval number: T/IMF/P. S/Student/2019-20/10

Non funded Projects:

Ongoing:

1. Title of the project- Occurrence and characterization of hyper virulent Klebsiella pneumoniae isolates in an Indian tertiary care hospital.
Name of the principal investigator - Dr. Srujana Mohanty
Duration: 2 years,
Start year; 2019
Funds: NA
IEC approval number- IEC/AIIMS BBSR/ PG Thesis/2019-20/05
2. Title of the project- Isolation, identification and characterization of Burkholderia pseudomallei from suspected cases of localized melioidosis in Eastern India: a clinico-microbiological study
Name of the principal investigator: Dr. Srujana Mohanty
Duration: 2 years
Start year: 2018
Funds: NA
IEC approval number: IEC/ AIIMS BBSR/PG Thesis/2018-19 /13
3. Title of the project- Clinico – microbiological correlations and comparison of diagnostic methods for Burkholderia pseudomallei from patients hospitalized with sepsis and pneumonia.
Name of the principal investigator: Dr. Bijayini Behera
Duration: 2 years
Start year: 2018
Funds: NA
IEC approval number: IEC/ AIIMS BBSR/PG Thesis/2018-19 /08
4. Title of the project- Descriptive study of subcutaneous fungal infection at AIIMS- Bhubaneswar.
Name of the principal investigator: Dr Vinaykumar Hallur
Funding agency: NA
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/ AIIMS BBSR/PG Thesis/2018-19 /53
5. Title of the project- In vitro activity of Cefiderocol, a novel siderophore cephalosporin against Carbapenem resistant Gram-negative bacilli
Name of the principal investigator: Dr. Bijayini Behera
Funding agency: NA
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/ AIIMS BBSR/PG Thesis/2019-20 /100
6. Title of the project- Phenotypic and Genotypic characterization of Tigecycline resistance among clinical isolates of Acinetobacter baumannii-
Name of the principal investigator - Dr. Ashoka Mohapatra
Funding agency: NA
Duration: 2 years,
Start year; 2019
Funds: NA
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2019-20/08
7. Title of the project- Study on the prevalence of Non tuberculous Mycobacterium (NTM) in suspected cases of pulmonary and extra pulmonary tuberculosis and comparison of conventional and molecular methods of identification of NTM
Name of the principal investigator - Dr. Baijayantimala Mishra
Funding agency: NA
Duration: 2 years
Start year; 2018,
Funds: NA
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2018-19/32

8. Title of the project- Molecular identification and antifungal susceptibility of dermatophytes isolated from patients with recurrent dermatophytoses from a tertiary care centre in Odisha. -
Name of the principal investigator - Dr. Dr Vinaykumar Hallur
Funding agency: NA
Duration: 2 years
Start year; 2020
Funds: NA
IEC approval number- IEC/AIIMS BBSR/PG Thesis/2020-21/43
9. Title of the project - Evaluation of Hicrome KPC agar for detection of fecal carbapenem resistant Enterobacteriaceae (CRE) carriage in the Intensive Care Unit
Name of the principal investigator: Dr. Ashoka Mohapatra
Duration, 2 months,
start year: 2019 July-August
Funds: NA
IEC approval number: IEC/AIIMSBBSR/STS /2019-20/ 10
10. Title of the project - Detection of colistin resistance in carbapenem resistant Enterobacteriaceae.
Name of the Guide- Dr. Ashoka Mahapatra
Duration- 2 years,
Start year: 2017
Funds: NA
IEC approval number: IEC/AIIMSBBSR/PG Thesis /2017-18/32

PUBLICATIONS

1. Sinha MK, Raghuvanshi B, Mishra B. Menace of Hepatitis C virus among multitransfused thalassemia patients in Balasore district of Odisha state in India. *J Family Med Prim Care*. 2019; 8:2850-54. PMID: 31681654
2. Mishra B, Mohapatra PR. Expand the RRDR hotspot to improve GeneXpert results. *Int J Tuberc Lung Dis*. 2019; 23:1043. PMID: 31657297
3. Behera B, Mohanty S, Mahapatra A, Hallur VK, Mishra B, Dey A, Kumar R, Mishra TK, Sasmal PK, Sinha M, Mohapatra PR, Panigrahi MK, Preetam C, Das RR. Melioidosis in Odisha: A clinico-microbiological and epidemiological description of culture-confirmed cases over a 2-year period. *Indian J Med Microbiol* 2019; 37:430-32. PMID: 32003346
4. Verma N, Prahraj AK, Mishra B, Behera B, Gupta K. Detection of carbapenemase-producing *Pseudomonas aeruginosa* by phenotypic and genotypic methods in a tertiary care hospital of East India. *J Lab Physicians*. 2019; 11:287-91. PMID: 31929692
5. Behera B, Biswal M, Das RR, Dey A, Jena J, Dhal S, Mohanty S, Mishra B, Prahraj AK. Clinico-epidemiological analysis of scrub typhus in hospitalised patients presenting with acute undifferentiated febrile illness: A hospital-based study from Eastern India. *Indian J Med Microbiol*. 2019; 37:278-80. PMID: 31745031
6. Mohapatra PR, Behera B, Mohanty S, Bhuniya S, Mishra B. Melioidosis. *Lancet Infect Dis*. 2019; 19:1056-57. PMID: 31559958
7. Sahoo S, Naik S, Mishra B, Durgeswar G, Panigrahi M, Bhuniya S. Tuberculous splenic abscess in the immunocompetent host: a report and review of literature. *Monaldi Archives of Chest Dis*. 2020; 90: 1167. PMID: 32072799
8. Mahapatra A, Dhal S, Bansal S, Turuk J, Choudhury S, Mishra P. Isolated Cerebellar Abscess by *Burkholderia pseudomallei* in an Immuno-compromised host: A Rare Case. *Neurol India*. 2019; 67:1149-52. PMID: 31512665
9. Mahapatra A, Mohapatra PR, Choudhury S, Deep N. Empyema caused by *Myroides odoratimimus* in a patient with liver abscess. *Lung India*. 2019; 36:459-60. PMID: 31464224
10. Srivastava A, Mohapatra M, Mahapatra A. Maxillary Fungal Osteomyelitis: A Review of Literature and Report of a Rare Case. *Ann Maxillofac Surg*. 2019; 9:168-173. PMID: 31293947
11. Mohanty S, Behera B, Sahu S, Prahraj AK. Recent pattern of antibiotic resistance in *Staphylococcus aureus* clinical isolates in Eastern India and the emergence of reduced susceptibility to vancomycin. *J Lab Physicians*. 2019; 11:340-5. PMID: 31929701
12. Sahoo B, Mohanty S, Gupta K, Behera B. Fosfomycin for treatment of multidrug-resistant pathogens causing urinary tract infection. *Diagn Microbiol Infect Dis*. 2020 Mar;96(3):114961. PMID: 31859021
13. Behera B. Challenges & issues of colistin susceptibility testing in diagnostic microbiology laboratories. *Indian J Med Res*. 2019; 150:417. PMID: 31823925

14. Rath S, Firdaus S, Mohanty M, Seth RK, Satapathy AK, Behera B. Asymptomatic Nontyphoidal Salmonella bacteriuria in a Patient with SLE Nephritis: An Ominous Threat or Innocent Bystander? *Indian J Nephrol.* 2019; 29:434-435. PMID: 31798230
15. Kaur H, Shankarnarayana SA, Hallur V, Muralidharan J, Biswal M, Ghosh AK, Ray P, Chakrabarti A, Rudramurthy SM. Prolonged Outbreak of *Candida krusei* Candidemia in Paediatric Ward of Tertiary Care Hospital. *Mycopathologia.* 2020 Apr;185(2):257-268. PMID: 31983047
16. Gupta K, Dash S. Efficacy of newer β lactams/ β lactamase inhibitors for treatment of multi-drug resistant gram-negative infections in burn patients. *Burns.* 2019; 45:1725-6. PMID: 31445712
17. Gupta K, Mohanty M, Rath S. Bacteremia because of *Streptococcus pseudoporcinus* in a Syphilis-HIV co-infected patient: A case report. *J Family Med Prim Care* 2020; 9:2119-20. PMID: 32670977
18. Purva M, Randeep G, Rajesh M, Mahesh CM, Sunil G, Subodh K, Sushma S, Naveet W, Pramod G, Arti K, Surbhi K, Omika K, Sonal K, Manoj S, Arunaloke C, Pallab R, Manisha B, Neelam T, Priscilla R, Subaramani K, Ebor J, Veeraraghavan B, Camilla R, Vijayalakshmi N, Vibhor T, Kuldeep S, Pradeep KB, Neeraj G, Daisy K, Vimala V, Chiranjay M, Vandana KE, Muralidhar V, Vijayshri D, Ruchita A, Kanne P, Sukanya S, Chand W, Neeraj G, Sanjay B, Sourav S, Karuna T, Saurabh S, Behera B, Sanjeev S, Thirunarayan MA, Reema N, Lahri S, Raja R, HIRAK JR, Sujata B, Desma D, Mammen C, Sudipta M, Manas KR, Gaurav G, Swagata T, Satyajeet M, Anupam D, Tushar SM, Bashir AF, Gulnaz B, Shaista N, Sulochana D, Khurajam RD, Langpoklakpam CS, Padma D, Anudita B, Ujjwala G, Neeta K, Geeta V, Tanvi S, Shristi J, Prachi V, Mamta L, Prithwis B, Anil CP, Clarissa L, Rajni G, Rushika S, Lata K, Vinod O, Kamini W. Assessment of core capacities for antimicrobial stewardship practices in indian hospitals: Report from a multicentric initiative of global health security agenda. *Indian J Med Microbiol.* 2019; 37:309-17. PMID: 32003327
19. Mahapatra A, Mohanty N, Behera BK, Dhal S, Praharaj AK. Soil transmitted helminth infections among school going age children of slums from Bhubaneswar, Odisha. *Trop Parasitol.* Jan-Jun 2020;10(1):34-38. PMID: 32775290

Author of Text book:

1. Dr. Ashoka Mohapatra - Mohanty SK, Leela KS, Pattanaik D, Mahapatra A, Singh N. *Essentials of Microbiology & Immunology Through Questions & Answers.*, New Delhi, India, Paras Medical Publisher 2019.

PATIENT CARE / HOSPITAL SERVICES

Number of samples received in the department:

A total of approximately 2,14,870 (2,14,223 clinical samples and 647 hospital/OT surveillance) samples have been tested during this period.

Tests performed on clinical samples:

- Bacterial culture & sensitivity (blood, urine, stool, pus etc) – 36,
- Fungal culture - 1408
- Direct microscopy (Gram stain, ZN stain, KOH, Lactophenol cotton blue, peripheral smear, India ink, stool examination) – 27,686
- Viral Serology (HIV Rapid, HIV (ICTC), HBs Ag ELISA, HBs Ag Rapid, Total Anti HBc, Anti HBs titre, HBeAg, HBeAb, HCV Rapid, HCV ELISA, HAV IgM, HEV IgM, Dengue Rapid, Dengue NS1 Ag ELISA, Dengue Ig M ELISA, EBC VCA IgM, CMV Ig M, Rubella Ig M, Chikungunya) - 1,20,322
- Immunology and sepsis Marker (RF, CRP, Anti CCP, p ANCA, c ANCA, ANA, ds DNA, Procalcitonin, Total IgE) - 22,816
- Parasitic serology (Malaria Ag, Toxoplasma Serology) - 3470
- Molecular testing (Hepatitis B viral load & Respiratory viruses) - 568
- TB lab (CBNAAT, AFB Culture) - 4808

Tests performed on surveillance samples:

Bacterial culture & environmental load (including settle plate method) on various samples from OTs & ICUs - 647

New Diagnostic tests started:

- COVID 19 real time reverse transcriptase PCR

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr. Baijayantimala Mishra
 - a. Received the Fellow of Royal College of Physicians London, at the admission ceremony held at Royal College, London, September 10, 2019.

- b. State Core committee member nominated by Director General Public Health, Odisha, for SOP preparation for AES, prepared the manual for sample collection and transport for acute encephalitis syndrome.
 - c. Advisory member for State-of-the-art Lab at capital hospital, by Directorate Health, Odisha.
 - d. Executive member of Indian association of Medical Microbiologists.
 - e. Dr.B Mishra continues to be a Fellow of Infectious Disease Society of America, Fellow of Royal College of Physicians and Surgeons, Glasgow and member of American Society for Microbiologists.
2. Dr. Vinaykumar Hallur received international travel support of 1.3 lakh rupees to attend 9th TIMM at Nice France where He presented the fungus discovered at our lab named "Cunninghamella Arunaloeki"
 3. The MD Thesis titled "Occurrence and characterization of hypervirulent Klebsiella pneumoniae isolates in an Indian tertiary care hospital" under supervision of Dr. Srujana Mohanty as Chief-Guide received ICMR thesis grant of INR 50,000. Awardee – Dr Bhuvan Yadav
 4. The MD Thesis titled "Clinico – microbiological correlations and comparison of diagnostic methods for Burkholderia pseudomallei from patients hospitalized with sepsis and pneumonia" under supervision of Dr Bijayini Behera as Chief-Guide received ICMR thesis grant of INR 50,000. Awardee – Dr Anjuna Radhakrishnan.
 5. The MD Thesis titled "Isolation, identification and characterization of Burkholderia pseudomallei from suspected cases of localized melioidosis in Eastern India: a clinico-microbiological study" under supervision of Dr Srujana Mohanty as Chief-Guide received ICMR thesis grant of INR 50,000. Awardee – Dr Prashanth Purushotham.
 6. Dr. Srujana Mohanty, has taken membership of American Society for Microbiology, USA, Infectious Diseases Society of America, USA, Healthcare Infection Society Microbiology Society, UK, European Society of Clinical Microbiology and Infectious Diseases, UK Royal Society of Tropical Medicine and Hygiene, UK.
 7. Dr. Kavita Gupta, has taken Life membership of Indian Association of study of sexually transmitted infections & AIDS (IASSTD & AIDS), Hospital Infection Control Society and Continuing as a Member of European Society of Clinical Microbiology & Infectious Diseases (ESCMID) and Life member of Indian Association of Medical Microbiologists (IAMM) and Indian Association of Medical Microbiologists, Delhi chapter (IAMM DC)
 8. Dr. Bijayini Behera has taken membership of American Society for Microbiology, USA, Infectious Diseases Society of America, USA and Continuing as a Member of European Society of Clinical Microbiology & Infectious Diseases (ESCMID) and Life member of Indian Association of Medical Microbiologists (IAMM) and Hospital infection society of India.
 9. Dr. Punyatoya Kar Attended 13th Annual Conference of IAMM-Odisha Chapter, organized by Apollo Hospital, Bhubaneswar on 29th September 2019 and gave an oral presentation on "Evaluation of rapid polymyxin NP test for detection of colistin resistance in clinical isolates of carbapenem-resistant Enterobacteriaceae". She received first prize in oral presentation for the above.
 10. Dr. Rahat Jahan Attended 13th Annual Conference of IAMM-Odisha Chapter, organized by Apollo Hospital, Bhubaneswar on 29th September 2019 and gave an oral presentation on "Study of Prevalence of Respiratory Viruses in Acute Exacerbation of chronic obstructive pulmonary diseases (AECOPD)." She received second prize in oral presentation for the above.
 11. Dr. Sivashankar Das Attended the National Conference of Indian Association of Medical Microbiologists (Microcon) organized by Lokmanya Tilak Municipal Medical College & Gen Hospital, Mumbai between 29th November to 1st December 2019. He presented the poster "Prevalence of nontuberculous mycobacteria in suspected pulmonary and extrapulmonary tuberculosis cases: a pilot study from eastern India" and received the "Mumbai-Belgaum Best poster in Medical Mycobacteriology.
 12. Dr. Prashant P Attended 13th Annual Conference of IAMM-Odisha Chapter, organized by Apollo Hospital, Bhubaneswar on 29th September 2019 and presented the poster "Melioidosis: Spectrum of skin and soft tissue manifestations, a case series from Odisha" and received first prize in Best Free Poster presentation category.
 13. Dr. Prashanth P, Mohanty S, Mahapatra A, Preetam C, Mishra T. Prevalence of Burkholderia pseudomallei from suspected cases of localized melioidosis in Eastern India. 5th National Sepsis Congress of APCC-India, 19th October 2019 organized by Asia Pacific Critical Care Academy-India.
 14. Dr Anjuna R Attended 9th World Melioidosis Congress at Hanoi, Vietnam October 14th to 18th, 2019 and presented a poster "Utility of Lateral Flow Immunoassay from urine sample as a point of care test in the diagnosis of Septicaemic Melioidosis, A Pilot Study". She received registration grant award to attend the above conference.
 15. Dr Anjuna R Attended 13th Annual Conference of IAMM-Odisha Chapter, organized by Apollo Hospital, Bhubaneswar on 29th September 2019 and presented "Melioidosis presenting with isolated mediastinal lymphadenopathy masquerading as malignancy: Report of two cases diagnosed by Endobronchial Ultrasonography-Transbronchial Needle aspiration [EBUS-TBNA]".

16. Dr. Vaishnavi Deshmukh Attended 9th Advances against Aspergillosis and Mucormycosis at Lugano, Switzerland between 27 to 29 February 2020 and presented "An Exotic Case of Palatal Entomophthoromycosis due to Conidiobolus coronatus". Her poster was selected as one of the outstanding posters of the conference.

VISITING SCIENTIST

1. Dr. Anup Ghosh, Additional Professor, Division of Mycology, Department of Medical Microbiology, PGIMER Chandigarh. He delivered a lecture on "Use of Matrix Assisted Laser Desorption Ionization Time of flight Mass spectrophotometry (MALDI TOF MS) in fungal diagnostics" at the Department Seminar Room on 27th March 2019
2. Dr. Arun Kumar, Director, Manipal Institute of Virology. He delivered a lecture on "An Experience on Nipah Virus outbreak in Kerala" at the institute Lecture Theatre 1 on 17th July 2019.



Photographs from CME on "Antimicrobial Susceptibility Testing Addressing CLSI 2019 Guidelines" organized by Department of Microbiology at AIIMS, Bhubaneswar.



Photographs from Hands on Workshop on “Antimicrobial Susceptibility Testing Addressing CLSI 2019 Guidelines” organized by Department of Microbiology at AIIMS, Bhubaneswar. Faculty & Residents demonstrating the laboratory approach to the participants.



Photographs of Papers presented by Post Graduate Students in various National and International conferences and various awards.



Photographs of Hand Hygiene awareness programme at Doon International School & Shishu Mandir in Bhubaneswar Faculties and residents of Dept. of Microbiology along with Nursing staff and Tutors educating and training children importance and steps of Hand Hygiene.



Photograph from the invited lecture taken by Dr. Arun Kumar, Director, Manipal Institute of Virology on "An Experience on Nipah Virus outbreak in Kerala" in the institute Lecture Theatre 1 on 17th July 2019.



NEONATOLOGY

NEONATOLOGY

FACULTY

Dr. Tapas Kumar Som
Associate Professor (In-Charge Head)

Dr. Pankaj Kumar Mohanty
Associate Professor

HIGHLIGHTS

The Department provides services to all neonates delivered in AIIMS, Bhubaneswar and also providing post-operative support to neonates requiring surgery. The Neonatal Intensive Care Unit (NICU) was shifted to the designated place at the LDR-NICU complex (2nd floor of S2 Block) on August 2, 2019, with nine (9) beds.

The Department has started a Neurodevelopmental Follow-up Clinic for high risk Inborn/ Outborn NICU graduates where the "BAYLEY III" scale is being used for psychomotor and cognitive assessment.

The Department organized "Breastfeeding Week" from August 1, 2019, to August 7, 2019, in which different awareness activities, role play, skit were performed in the OPD foyer to educate people about the necessity of breastfeeding. Public awareness lecture was also undertaken on this behalf.

Department is engaged in performing hearing screening for all inborn babies since January 1, 2020. This service is also extended to out born babies coming to OPD for consultation.

The Department of Neonatology and College of Nursing, AIIMS Bhubaneswar, jointly organized "Newborn Week" from November 15, 2019, to November 21, 2019. The various health awareness activities, Nursing Quiz, were undertaken to teach and train the community. The faculties have actively participated in the "Neonatal Resuscitation" training program to nursing officers and students. The practical skills were demonstrated on the manikin.

The Department of Neonatology, in collaboration with Obstetrics and Gynecology, observed: "World Birth Defects Day" (WBDD) on March 3, 2020. Public awareness lecture and postgraduate quiz competition were organized on this behalf.

EDUCATION

The DM Course started from January 2019. Two DM students have joined since 2019. Department of Neonatology provides training and taking regular classes for the DM students, MD (Pediatrics) residents, MBBS students, and Nursing students (MSc) in the form of clinical and theoretical classes. Department of Neonatology is involved in the preparation of postgraduate and post-doctoral monthly teaching programs jointly with the Department of Pediatrics. Department of Neonatology and the Department of Obstetrics & Gynaecology organize a discussion on perinatal statistics on a monthly basis. Autopsy meet is being organized with the Department of pathology.

CONFERENCE/ CME/ WORKSHOP ATTENDED/ LECTURE DELIVERED/ PAPER PRESENTED

Dr. Tapas Kumar Som

1. Attended the pre-conference workshop and the main conference, MECON 2020, held at AIIMS, Bhubaneswar, organized by MEU, AIIMS, Bhubaneswar from January 23rd to 25th, 2020.
2. Participated as a resource person in a pre-conference workshop on "Invasive and Non-invasive Respiratory Support" and the main conference held at AIIMS, Bhubaneswar, organized by the Indian Association of Neonatal Nurses from February 9th to 11th, 2020.

Dr. Pankaj Kumar Mohanty

1. Attended IAP NEOCON 2019 as a faculty, held in Bengaluru on 27th September 2019, and delivered a talk in the pre-conference Neurodevelopmental workshop titled "Retinopathy of prematurity, hearing screening and Neuroradiology in a nutshell".
2. Attended as a resource person in a regional workshop for management of preterm infants for doctors and staff nurses held in "Saheed Laxman Nayak, Medical College, and Hospital" (SLNMCH), Koraput on October 1, 2019.
3. Attended "Respiratory Symposium" at KIMS on November 22, 2019, and delivered a talk on "Bronchopulmonary Dysplasia: Inflammation meets an Organ development".
4. Participated as a resource person in a pre-conference workshop on "Invasive and Non-invasive Respiratory Support" and the main conference held at AIIMS, Bhubaneswar, organized by the Indian Association of Neonatal Nurses from February 9th to 11th, 2020 and delivered a talk on "Neonatal Seizure".

RESEARCH**Departmental: Funded****Ongoing:**

1. Title of the project: Newborn screening on Glucose 6 Phosphate Dehydrogenase Deficiency in AIIMS, Bhubaneswar.
Name of the principal investigator: Dr. Tapas Kumar Som
Funding agency: AIIMS, Bhubaneswar;
Duration: 2 years
Start year: 2017
Funds: Rs. 4,99,000
IEC approval number: T/IM-F/17-18/27

Completed:

1. Title of the project: Predictive efficacy of umbilical cord IL6 and histopathologic chorioamnionitis in diagnosing early neonatal sepsis in mothers with risk factors
Name of the principal investigator: - Dr. Pankaj Kumar Mohanty
Funding agency: AIIMS, Bhubaneswar
Duration: 1 year
start year: 2018
Funds: Rs. 3.53,760/-
IEC approval number: T/IM-F/18-19/05

Departmental: Non-funded**Ongoing:**

1. Title of the project: Assessment of General Movements for prediction of Neurodevelopmental outcome in high risk infants.
Name of the principal investigator- Dr Tapas Kumar Som
Funding agency: Non-funded
Duration: 2 years
start year: 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/72
2. Title of the project: Comparison of ultrasound guided umbilical insertion with conventional method- A randomized control trial.
Name of the principal investigator: Dr Pankaj Kumar Mohanty
Funding agency: Non-funded
Duration: 2 years;
start year:2020
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2020-21/25

PUBLICATIONS

1. Patro N, Panda M, Mohanty PK. Congenital ichthyosiform erythroderma: A rare neonatal dermatoses responding to acitretin. Indian Journal of Pharmacology 2019; 52:343-5 PMID: 31831924

Editor of books:

1. Mohanty PK, Mohapatro S, Das RR. A simplified Approach to Neonatal ventilation, 2nd ED. New Delhi: Noble Vision:2019.
2. Nagesh KN, Mohanty PK, Razak A, Pillai MS. Lessons in Neonatal Respiratory care, An Evidence-Based Approach, 1st Ed. New Delhi: Noble Vision: 2019.
3. Desai S, Mohanty PK. Approach to Neonatal Cardiac Emergencies. IAP Text Book of Pediatric and Neonatal Emergencies. 1st Ed. New Delhi: Jaypee Brothers:2019.

PATIENT CARE / HOSPITAL SERVICES

Department of Neonatology provided services to outdoor and indoor patients admitted in the NICU and in the postnatal ward. A total of around 4900 newborns and infants were seen in the OPD. Approximately 260 newborns were managed in the NICU. The main reasons for admission in the NICU were prematurity, respiratory distress syndrome, transient tachypnea of newborn, perinatal asphyxia, and various conditions where babies required pre-operative and post-operative mechanical ventilator support. Bubble CPAP is being used for babies who need respiratory support. Total parental nutrition (TPN) is very vital nutritional support for the survival of extreme preterm, extremely low birth weight, and in some surgical patients where enteral nutrition is contraindicated. We have been able to prepare total parenteral nutrition (TPN) in laminar flow and take

the utmost precaution to prevent sepsis. Neurodevelopmental assessment is being done, which provides early intervention/ multidisciplinary developmental supportive care for these babies.



NEPHROLOGY

NEPHROLOGY

FACULTY

Dr. Sandip Kumar Panda
Assistant Professor

HIGHLIGHTS

The department of nephrology started functioning since September 2018. There is a state of art dialysis unit under the department which was established in July 2019. The dialysis unit provides affordable hemodialysis to the poor and needy. Along with regular maintenance dialysis, department of Nephrology also offers emergency bedside dialysis to sick patients in Intensive Care Unit (ICU). Therapeutic plasma exchange (PLEX) is being performed regularly by the department for various renal and non-renal causes. Currently the department provides high end renal care and manages patients with acute kidney injury (AKI), chronic kidney diseases (CKD) and glomerulonephritis. Several procedures like renal biopsies, tunneled dialysis catheter insertion is being performed to diagnose and optimally manage patients with renal problems. The department is also actively involved in the management of Covid 19 patients in the form of bedside consultation and dialysis service. The department has planned to initiate peritoneal dialysis and renal transplantation in the near future.

EDUCATION

We presently have two non-academic junior residents in the department. In daily bed-side rounds, the proposed management of the admitted patients is being discussed thoroughly. Dialysis rounds are performed daily and management of regular dialysis patients are optimized time to time along with teaching of dialysis technicians and nurses. The residents are encouraged to get involved in research and to write scientific papers

PATIENT CARE/HOSPITAL SERVICES

A total number of 4758 patients have visited the Nephrology out patient department (OPD). Total 263 patients were admitted in the Nephrology ward for stabilization, initiation of dialysis and diagnostic evaluation. Total number of hemodialysis performed during this period is 3978. Department of Nephrology performed 209 procedures which included renal biopsy, graft biopsy and dialysis port insertion.



NEUROLOGY

NEUROLOGY

FACULTY

Dr Sanjeev Kumar Bhoi
Associate Professor

Dr Menka Jha
Assistant Professor

HIGHLIGHTS

Neurology department AIIMS Bhubaneswar was established in April 2016. The department is providing clinical services (in-patient, out-patient and emergency neurology care) to patients coming from all corners of Odisha and adjoining states. Outpatient services include both regular OPDs and special neurology clinic- Epilepsy, movement disorder and headache clinics every week. The Neurology ICU with 2 beds started in September 2019.

Laboratory services include Video EEG, Nerve conduction study, Electromyography, Evoked potentials (visual, somatosensory and auditory). The department also provides minor procedures for both diagnostic and therapeutic purposes which include carpal tunnel injection, Botox injection, nerve, muscle and skin biopsy. The world stroke day was celebrated on 20th October 2019 in which CME was organised with college of Nursing and awareness for stroke and its complications were discussed at different levels. The 2nd batch of DM Neurology resident joined in January 2020 with an intake of 2 students each year.

EDUCATION

The faculty impart both clinical teaching and took didactic lectures in Neurology for undergraduate students and BSc nursing students as per the teaching schedule of the academic year. DM Neurology academic senior residents are being trained in both basic and advanced neurological services. Their training includes clinical management, both out patient, inpatient and emergency department. Academic curriculum includes regular classes, subject seminars, journal club and case presentation which are done on regular basis.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Sanjeev Kumar Bhoi

1. Attended as invited speaker at Annual conference on "Advances in Clinical Care 2020" organized by Central Hospital E. Co. Railway Bhubaneswar on 8th-9th February 2020 and presented a paper titled 'Management of Acute Ischemic Stroke in Golden Hour'
2. Attended Physician training workshop conducted by CM&FM AIIMS Bhubaneswar on 30.11.2019 and delivered a talk titled 'Management of stroke: Resource limited settings'
3. Attended as invited speaker at CME "Must know Neurology for Orthopedicians 2019" organized by IGIMS Patna on 17th November 2019 at Patna and delivered a talk titled 'cauda equina syndrome.'
4. Participated as resource person and delivered a talk on Acute management of Stroke in the CME on World stroke day on 29th October, 2019, organized at AIIMS Bhubaneswar.
5. Attended and presented paper and poster at Annual Conference of the Indian Academy of Neurology-IANCON 2019 held from 3rd to 6th October 2019 at Hyderabad. Paper Title: Sedation Vs sedation in Neuro ICU patients (against); Poster Title: Abnormal movement, knuckle pigmentation and madness Is it B12 deficiency?
6. Attended and presented a paper at National Headache Symposium 2019 held on 6th-7th April 2019 at Kolkata. Title: Chronic migraine: anything to worry about?

Dr Menka Jha

1. Organizing secretary of the national conference "WINNERS" for women in neurology, emerging concepts and new research, from 7th to 8th March 2020.
2. Presented a video tele presentation on Epilepsy for DNB students and physicians of Tata Motors hospital on 27.02.2020.
3. Presented and participated in the panel discussion on Women with Epilepsy in the BMJ masterclasses by Neurological Society of Odisha (NSO) on 11.08.2019 at Bhubaneswar.
4. Participated as resource person and delivered a lecture on long term management of Stroke in the CME on World Stroke Day held on 29th October 2019, AIIMS Bhubaneswar.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: HTA of National Stroke Care Registry Programme - Development of Hospital Based Stroke Registries (HBSR) in different regions of India

Name of the principal investigator: Dr S K Bhoi
 Funding agency: NCDIR-ICMR
 Duration: 5 years
 start year: 2020
 Funds: Rs. 25,00,000/-
 IEC approval number: T/EMF/Neuro/20/21

2. Title of the project: Study the clinical, electroneuromyographic and immunohistochemical correlation of pure neuritic leprosy
 Name of the principal investigator: Dr S K Bhoi
 Funding agency: Science and Technology, Govt. Odisha
 Duration: 3 years,
 start year: 2020
 Funds: Rs 9,61,000/-
 IEC approval number: T/EMF/Neuro/19/21

Departmental:

Ongoing:

1. Title of the project: Multimodality evoked potential and MRI correlation in neurologic Wilson's disease
 Name of the principal investigator: Dr Sanjeev Kumar Bhoi
 Funding agency: AIIMS, Bhubaneswar
 Duration: Two years
 Start year: 2019
 Funds: Rs. 1,31,629/-
 IEC approval number: T/IM-F/18-19/17
2. Title of the project: Clinico-radiological evaluation of focal epilepsies in adults
 Name of the principal investigator: Dr Menka Jha
 Funding agency: AIIMS, Bhubaneswar
 Duration: Two years
 start year: 2019
 Funds: Rs. 3.35 lakhs
 IEC approval number: T/IM-F/18-19/35

DM Thesis:

1. Title of the project: Comparison of whole spine to neck length ratio and neck flexibility in patients of Hirayama disease with normal population: A cross-sectional study
 Name of Guide: Dr SK Bhoi
 Duration: 2 years
 start year, 2019
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/69
2. Title of the project: To compare the efficacy and safety of lacosamide versus levetiracetam monotherapy in new onset focal seizure in adult patients
 Name of Guide: Dr SK Bhoi
 Duration: 2 years
 Start year:2019
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/68

PUBLICATIONS

1. Bhoi SK, Naik S, Jha M, Pradhan N. Skull base and calvarial tuberculosis presenting as chronic meningitis. Indian J Tuberc. 2020;67(3):411-413. PMID: 32825882
2. Bhoi SK, Jha M, Naik S. Sialidosis Type 1 : Giant SSEP and Novel Mutation. The Indian Journal of Pediatrics, 2019; 86:760-761. PMID: 30941624
3. Bhoi SK, Jha M, Naik S, Palo GD. Knuckle pigmentation, peripheral neuropathy, madness and abnormal movement: is it B12 deficiency? Neurological sciences, 2019;40(11):2399-2401. PMID: 31089907
4. Naik S, Bhoi SK, Panigrahi K, Deep N. Segmental spinal dysgenesis: A rare congenital spinal malformation. Indian J Radiol Imaging. 2019;29(4):480-481. PMID: 31949358
5. Naik S, Bhoi SK, Agarwal V, Kumar S, Phadke RV. Perfusion MRI may facilitate the diagnosis of a tumefactive demyelinating lesion. Neurol India. 2019;67(3):908-910. PMID: 31347587

6. Naik S, Bhoi SK. Association of venous varix and developmental venous anomaly: report of a case and review of literature. *BMJ Case Rep.* 2019;12(3):e228067. PMID: 30862669
7. Misra UK, Kalita J, Singh RK, Bhoi SK. A Study of Hyponatremia in Acute Encephalitis Syndrome: A Prospective Study from a Tertiary Care Center in India. *J Intensive Care Med.* 2019;34(5):411-417. PMID: 28393593

PATIENT CARE / HOSPITAL SERVICES

Neurology department provides services to outpatient, inpatient, and emergency departments. In last 1 year 16,106 (OPD) patients and 445 indoor patients (IPD) have been managed, 34 patients were managed in Neurology ICU. The department is providing clinical neurophysiology services such as: video electroencephalography (vEEG), nerve conduction studies, electromyography, evoked potentials etc. From April 2019 to March 2020, 3874 patients were evaluated by above neurophysiological tests {2129 vEEG, 1745 ENMG}. Minor procedure like carpal tunnel injection and Botox injection was performed in 134 patients in last 1 year. Neurology OPD services are also provided at AIIMS satellite centre at Balasore.



NEUROSURGERY

NEUROSURGERY

FACULTY

Dr Rabi Narayan Sahu
Professor and Head

Dr Sumit Bansal
Associate Professor

Dr Ayusman Satapathy
Assistant Professor (Till 05.03.2020)

Dr Ashis Patnaik
Additional Professor

Dr Ranjan Kumar Jena
Associate Professor

HIGHLIGHTS

Neurosurgery department is one of the first super-speciality department in AIIMS Bhubaneswar, which started the MCh course in 2017. We got our new dedicated neurosurgery Modular Operation Theatres (MOT) and Neurosurgery ICU commissioned & inaugurated by Union Health Minister Dr Harsh Vardhan on 25th Dec 2019. Our department is academically active with more than ten ongoing research projects running & several publications to its credit. Department of Neurosurgery, AIIMS, Bhubaneswar organized Twin-City Neuroclub at Bhubaneswar on 13th April 2019.

EDUCATION

Involved actively in MBBS and MCh teaching. MCh program has case presentations, journal clubs, seminars, mortality and morbidity meet and case discussion. Neuroradiology Conference and Neuropathology Conference are conducted in collaboration with other departments.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr RN Sahu

1. Participated as invited faculty at "National Conference on Cancer Biology and Therapeutics" held from November 29th - 30th, 2019 & delivered a lecture on "Recent advancement in Glioma surgery" at Institute of Life Sciences (ILS), Bhubaneswar, Odisha.
2. Participated as an invited faculty and gave a talk on "Miscellaneous pathology in Endonasal Endoscopic Pituitary Surgery- an experience" at the ACNS & WFNS Foundation Live Surgery – Seminar on 16th -17th March 2019 at KIMS Hospital Auditorium, Hyderabad, India organized by Brain & Spine Society (BASS) of India.
3. Participated as invited faculty and gave a talk on "Recent advances in Intraoperative Neuro-Monitoring (IONM)" 33rd Annual Conference of the Association of Physiologists of Odisha (APCON) on 8th December 2019 at AIIMS Bhubaneswar.
4. Organized the Neurovascon 2019, Bhubaneswar, Odisha from 13th -15th September 2019 as co-organizing secretary of the conference.
5. Participated as invited faculty at NEUROVISION India 2019 with the theme "Recent advances in neuro critical care for management of stroke, neuro trauma and epilepsy" organized under the aegis of IMA Bhubaneswar, NSO, NVOT in Nov 2019 at Bhubaneswar, Odisha, India.

Dr. Ashis Patnaik

1. Attended 21st Annual Conference of Skullbase Surgery Society of India (SKULLBASECON 2019) at Coimbatore, Tamilnadu in 10th-12th October 2019 and presented "Trigeminal Schwannoma: An Institutional Experience" as oral presentation.
2. Attended "Contemporary Management in Neuro-Oncology" from 28th February to 1st March 2020 at Tata Memorial Centre, MUMBAI.
3. Attended 8th Annual Meeting of Walter Dandy Neurosurgical Society held from 5th-8th September 2019 at Kathmandu, Nepal and presented - "Pure endonasal endoscopic surgery in pituitary adenoma: An Institutional experience in a series of 46 cases" as a poster.

Dr. Sumit Bansal

1. Attended - Twin City Neuro Club, Bhubaneswar on 13th April 2019 and was coauthor in the paper presented "Peripheral nerve tumors: interesting cases.
2. Attended 9th Annual Conference of Indian Society for Peripheral Nerve Surgery (ISPNSCON 2020), Coimbatore on 27th -29th February 2020 and presented an invited talk on "Developing a peripheral nerve surgery center: scope and challenges."
3. Attended as delegate, MECON 2020, AIIMS, Bhubaneswar, Odisha from 23rd -25th January 2020.
4. Attended as delegate, Neurovascon 2019, Bhubaneswar, Odisha from 13th to 15th September 2019.

5. Attended 2019 WFNS Special World Congress at Beijing, China from 9th to 12th September 2019 at China National Convention Center, Beijing, China and presented a poster on "Bi-frontal Basal Interhemispheric Approach (BBIA) as a workhorse for resection of midline anterior skull base tumors: an institutional series of 32 cases".

Residents:

1. Dr Amir Khan, Senior Resident (MCh) Neurosurgery attended Neuroclub, Bhubaneswar in April 2019 and presented a paper on "Peripheral nerve tumors: interesting cases".
2. Dr Marutinandan, Senior Resident (MCh) Neurosurgery attended Neuroclub, Bhubaneswar in April 2019 and presented "A Case series on Functional outcome after microsurgical clipping of Acom Aneurysm at AIIMS Bhubaneswar".
3. Dr C Lalasangzuala, Senior Resident (MCh) Neurosurgery, attended Neuroclub Bhubaneswar and presented a paper on "Trigeminal neuralgia: A series of 10 cases operated at AIIMS, Bhubaneswar" in April 2019.
4. Dr Marutinandan, Dr Amir Khan and Dr Fakir Mohan Sahu, Senior Residents (MCh), Neurosurgery attended Simvent workshop on management of mechanically ventilated patients, Bhubaneswar in August 2019.
5. Dr Gaurav Verma and Dr Debajyoti Datta, Senior Residents (MCh), Neurosurgery attended BLS course – organized by dept. of Trauma and emergency medicine, AIIMS Bhubaneswar in August 2019.

RESEARCH

Extra-mural Funded:

Ongoing:

1. Title of the project. A prospective, multi-centre, single-arm, observational, post marketing surveillance study to evaluate safety and efficacy of MERIZELLE ORC U.S.P for achievement of haemostasis across several surgical procedures.
Name of the principal investigator: Dr R N Sahu
Funding agency: Meril Endo Surgery Pvt. Ltd
Duration-1 year,
start year: May 2019
Funds: Through CRO Rs 3500/patient
IEC approval number: T/EMF/NERO.SURG/19/02

Non funded: Intramural

Ongoing :

1. Title of the project. Assessment of hearing loss in minor head injury: A prospective study at AIIMS, Bhubaneswar.
Name of the principal investigator: Dr Sumit Bansal
Funding agency: AIIMS, Bhubaneswar
Duration-2 years
start year: 2017
Funds: Non-funded
IEC approval number: T/IM-NF/NS/17/06
2. Title of the project. Study on efficacy of drain placement in management of chronic subdural haematoma.
Name of the principal investigator: Dr Ashis Patnaik
Funding agency: AIIMS, Bhubaneswar
Duration: 12 months
Start year: 2019
Funds: Non-funded
IEC approval number: T/IM-NF/Neuro.Surg/19/47
3. Title of the project. Correlation of ante-mortem CT scan finding with post-mortem finding in traumatic brain injury patients
Name of the principal investigator: Dr Ranjan Kumar Jena
Funding agency: AIIMS, Bhubaneswar
Duration: 12 months
Start year: 2019
Funds: Non-funded
IEC approval number: Ref no T/IM-NF/Neuro-Surg/19/37
4. Title of the project. Prevalence and clinical characteristics of neuropsychiatric manifestations of Traumatic Brain Injury: A cross sectional & observational study
Name of the principal investigator: Dr Ranjan Kumar Jena
Funding agency: AIIMS, Bhubaneswar
Duration: 12 months
Start year: 2018

Funds: Non-funded
IEC approval number: Ref no T/IM-NF/Neuro-Surg/18/36

Departmental :

Ongoing:

1. Title of the project. Clinicopathological And Molecular Characterization Of Intracranial Meningioma With Special Reference To Brain Invasion
Name of the principal investigator: Dr Ashis Patnaik
Funding agency: Not applicable
Duration: 2 years
Start year: 2019
Funds: Non funded
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/63
2. Title of the project. To Study The Clinical And Radiological Features of Diffuse Glioma In Brain On The Basis Of Pathological Biomarkers – IDH, ATRX, H3K27M
Name of the principal investigator: Dr R N Sahu
Funding agency: Non funded
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/62
3. Title of the project. Comparison Of Surgical Outcomes Following Cerebellopontine Angle Lesion Surgery Performed In The Supine With Head Turn Vs Lateral (Park Bench Position)
Name of the principal investigator: Dr Sumit Bansal
Funding agency: Not applicable
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/114
4. Title of the project. Randomised Controlled Trial of Negative Pressure Wound Dressing In Preventing External Ventricular Drain Related Infection
Name of the principal investigator: Dr R N Sahu
Funding agency: Not applicable
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/77
5. Title of the project. To Study the Efficacy of IONM In Spinal Tumors
Name of the principal investigator: Dr Ranjan Kumar Jena
Funding agency: Not applicable
Duration: 2 years
Start year: 2019
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/113
6. Title of the project. Analysis of correlation between direction of dome of aneurysm and patient outcome following surgery for ruptured anterior communicating artery aneurysms
Name of the principal investigator: Dr Ashis Patnaik
Funding agency: Not applicable
Duration: 2 years
Start year: 2020
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2020-21/09
7. Title of the project. An Observational Study On CSF Diversion In Patients Undergoing Posterior Fossa Tumor Surgery, With Special Emphasis On Utility Of Safety Burr hole
Name of the principal investigator: Dr Sumit Bansal
Funding agency: Not applicable
Duration: 2 years
Start year: 2020
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2020-21/10

Completed:

1. Title of the project. To study the mechanism, severity and outcomes of traumatic head injury in children
Name of the principal investigator: Dr R N Sahu
Funding agency: Not applicable
Duration: 2 years
Start year: 2017
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/35
2. Title of the project. To Study the Mechanism, Severity and Outcomes Of Traumatic Head Injury In Elderly Population
Name of the principal investigator: Dr R N Sahu
Funding agency: Not applicable
Duration: 2 years
Start year: 2017
Funds: NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/36

PUBLICATIONS

1. Bansal S, Sahu RN, Mishra P, Jena SK. Primary intracranial dural-based ewing sarcoma/peripheral primitive neuroectodermal tumor with extracranial extension: An uncommon case. Asian Journal of Neurosurgery. 2019; 14:1052. PMID: 31497166
2. Jain M, Sahu RN, Gantaguru A, Das SS, Tripathy SK, Pattnaik A. Postoperative lumbar pyogenic spondylodiscitis: An institutional review. Journal of neurosciences in rural practice. 2019;10:511. PMID: 31595125
3. Mahapatra A, Dhal S, Bansal S, Turuk J, Choudhury S, Mishra P. Isolated Cerebellar Abscess by Burkholderia pseudomallei in an Immunocompromised Host: A Rare Case. Neurology India. 2019; 67:1149. PMID: 31512665

PATIENT CARE / HOSPITAL SERVICES

1. Department of Neurosurgery is actively engaged in providing Neurosurgery outpatient care in Satellite OPD Centre at Balasore, Odisha in collaboration with DRDO.
2. Dedicated Neurosurgery ICU (7 beds) started along with state-of-the-art Neurosurgery Operation theatre started on 05.08.2019. Department of Neurosurgery remain pioneer in Eastern India to provide state of the art Neurosurgical procedures like :
 - a. Epilepsy Surgery using IONM (Intra Operative Neuro Monitoring)
 - b. Awake Craniotomy
 - c. Minimally Invasive Spine Surgery (MISS-TLIF)
 - d. Endoscopic excision of colloid cyst and Endoscopic Third Ventriculostomy (ETV)
 - e. Brachial Plexus and peripheral nerve surgery
 - f. Neuronavigation based Neurosurgery.
3. The department also performs Cerebral Angiography (DSA) in our Cath lab to diagnose various cerebro-vascular diseases such as brain aneurysms and AV Malformation. The department is well equipped with a variety of equipment like high-end operating microscopes, neurosurgical drill, neuro-navigation machine etc.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr R N Sahu and Dr Sumit Bansal became editorial board members of Neurology India, official journal of Neurological Society of India (NSI).
2. Dr R N Sahu became editorial board member of Indian Journal of Neurosurgery, the official journal of Neurosurgical Society of India (NSSI).



Dr. Sumit Bansal, Associate Professor, Department of Neurosurgery attended MECON 2020 at AIIMS, Bhubaneswar from 23rd-25th January 2020.



Dr. Sumit Bansal, Associate Professor, Department of Neurosurgery attended 9th Annual Conference of Indian Society for Peripheral Nerve Surgery (ISPNSCON 2020) at Coimbatore from 27th-29th February 2020.



Dr RN Sahu felicitated as invited faculty at NEUROVISION India 2019 Conference held in Bhubaneswar in November 2019.



NUCLEAR MEDICINE

NUCLEAR MEDICINE

FACULTY

Dr. Kanhaiyalal Agrawal
Associate Professor

HIGHLIGHTS

The department of Nuclear Medicine is presently involved in patient care and imaging using radioisotopes. Department has gamma camera machine (16 slice SPECT-CT), thyroid uptake probe and Nuclear cardiac laboratory facility. Department is also providing radionuclide treatment service to thyroid and cancer patients (radioiodine and bone pain palliation).

EDUCATION

Department is involved in teaching of MBBS, BSc radiography students. All theory and practical classes are conducted as per the schedule. Further, department is involved in taking classes for postgraduate and MCh students from other clinical departments as and when requested.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Kanhaiyalal Agrawal

1. Attended 2nd JIPMER research leadership mentoring programme from 08.04.19 to 12.04.19 at JIPMER, Puducherry.
2. Attended CME on "Thyroid update" on 23.05.2019 at AIIMS Bhubaneswar
3. Attended "Breast cancer update" on 27.07.2019 organised by AIIMS Bhubaneswar as an invited faculty in panel discussion in the session "Diagnosis of Breast cancer"
4. Attended workshop on introduction to EHR standards on 21.08.19 at AIIMS, Bhubaneswar
5. Attended 17th Annual Conference of Association of Nuclear Medicine Physicians of India (ANMPI) from 20.09.19 – 22.09.19 at Pune as an invited faculty in panel discussion in the Orthopaedics SPECT-CT session
6. 7th annual meeting of "Kuwait Society of Nuclear medicine and molecular imaging" from 26.10.19 to 27.10.19 in Kuwait City, Kuwait as an invited faculty and delivered talk on "PET-CT in cardiac sarcoidosis"
7. Attended 3rd Asian Society of Mastology, ASOMACON 2019 from 16th -17th November at AIIMS, Bhubaneswar as an invited faculty to panel discussion on Nuclear Imaging in Breast cancer
8. Attended 51st Annual Conference of the "Society of Nuclear Medicine India" from 12.12.19 – 15.12.19 organised by TMH, Mumbai and delivered talk on "PET-CT in cardiac sarcoidosis"
9. Attended "Medical Education conference MECON 2020" from 24th and 25th January 2020 at Bhubaneswar, Odisha

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: Diagnostic performance of Tc-99m PSMA-11 study in prostate carcinoma
Name of the principal investigator: Dr. Kanhaiyalal Agrawal
Funding agency: AIIMS Bhubaneswar intramural project
Duration: 2 years
start year: 2018
Funds: Rs. 3,99,700/-
IEC approval number: T/IM-F/18-19/39
2. Title of the project: Diagnostic utility of Tc-99m PSMA-11 SPECT-CT study in biochemically recurrent prostate cancer
Name of the principal investigator: Dr. Kanhaiyalal Agrawal
Funding agency: ICMR, India
Duration: 3 years
start year: 2019
Funds: Rs. 24,30,000
IEC approval number: T/EMF/Nucl.Med/18/35

PUBLICATIONS

1. Vats K, Agrawal K, Sharma R, Sarma HD, Satpati D, Dash A. Preparation and clinical translation of ^{99m}Tc-PSMA-11 for SPECT imaging of prostate cancer. *Medchemcomm*. 2019;10(12):2111-2117. PMID: 32190233
2. Agrawal K, Sradha Patro PS, Behera KK. Graves' disease in eutopic thyroid with ectopic mediastinal thyroid tissue: role of single photon emission computed tomography-computed tomography. *Indian J Nucl Med*. 2019;34(3):230–232. PMID: 31293306
3. Agrawal K, Patro PSS, Pradhan P. Triple Ectopic Thyroid Detected on SPECT/CT: A Rare Case Report. *Clin Nucl Med*. 2019;44(7):e453-e455. PMID: 30985427
4. Agrawal K, Meher BR, Padhy BM. Ethical conundrum in nuclear medicine research in India. *Indian J Nucl Med*. 2019;34(2):83–85. PMID: 31040516
5. Agrawal K, Patro PSS, Preetam C. Tc-99m HYNIC-TOC scintigraphy in dedifferentiated thyroid cancer. *BMJ Case Rep*. 2019;12(4):e227910. PMID: 30940668

PATIENT CARE / HOSPITAL SERVICES

Department has currently one gamma camera machine (16 slice SPECT-CT), thyroid uptake probe and Nuclear cardiac laboratory facility. Department is providing Nuclear Medicine Thyroid special OPD service. Department is offering therapeutic care like radioiodine treatment for thyroid cancer and thyrotoxicosis, and bone pain palliation for metastatic cancer pain.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Department of Nuclear Medicine co-organized CME on "Thyroid update" in May 2019 at AIIMS, Bhubaneswar in collaboration with department of Endocrinology and department of community medicine.
2. Dr. Kanhaiyalal Agrawal was involved as organising member of 3rd Asian Society of Mastology, ASOMACON 2019 held at AIIMS, Bhubaneswar from 15th Nov to 17th Nov 2019
3. Dr. Kanhaiyalal Agrawal is appointed as Editor of "Indian Journal of Nuclear Medicine"



OBSTETRICS &
GYNAECOLOGY

OBSTETRICS & GYNAECOLOGY

FACULTY

Dr Saubhagya Kumar Jena
Professor and HOD

Dr Pruthwiraj Sethi
Associate Professor

Dr Jasmina Begum
Assistant Professor

Dr Sweta Singh
Additional Professor

Dr Subarna Mitra
Assistant Professor

HIGHLIGHTS

The faculty members and residents of the department are actively involved in patient care, teaching and training, research and administrative activities. The department provides outpatient services, inpatient services, labour and delivery services and obstetric and gynecological procedures. The department also caters to the health problems of women with high-risk pregnancy and infertile couples through special clinics for them on every Monday and Thursday, respectively, from 2pm to 4pm. Various surgeries pertaining to gynecological endoscopy, urogynecology and gynecological oncology are being performed regularly. Comprehensive ultrasonography services are provided for quality patient care including dating scan, nuchal translucency scan, anomaly scan, interval growth scan with color Doppler, folliculometry and scans for gynecological pathologies. The department has also contributed actively in the OPD services at the AIIMS Satellite Centre at Balasore. Faculty members have also participated in different public awareness programs held by AIIMS, Bhubaneswar such as World Birth Defects Day and World menopause Day. Labour Operation Theatre, the first modular operation theatre in AIIMS Bhubaneswar was inaugurated on 16th April 2019 by our esteemed Director, Prof. Gitanjali Batmanabane. First case, one caesarean section was operated on 2nd May 2019 in the modular labour operation theatre. Our elective modular operation theatre was inaugurated by our esteemed Director, Prof. Gitanjali Batmanabane on 5th August 2019.

Total Eight postgraduate students, four in each session got admitted in July 2019 session and January 2020 session. The faculty members, senior and junior residents attended several conferences and workshops and presented various scientific papers. Faculty and residents brought laurels to the institute by winning in different quiz competitions and paper presentations.

All India Institute of Medical Sciences, Bhubaneswar was awarded the status of Platinum Partner in recognition of our significant contributions in marking the World Birth Defects Day 2019 by the World Birth Defects Day Steering Workgroup. The department organized activities for the 6th World Birth Defects Day (WBDD) on 03.03.2020 in collaboration with the Stillbirths and Birth defects Surveillance Cell, AIIMS Bhubaneswar. Department also organized the Workshop on Breast and Gynaecologist _ Exploring the Rendezvous in the 3rd ASOMACON 2019 on 15th November 2019.

EDUCATION

The faculty members took theory classes for MBBS, MS and nursing students as per curriculum and schedule. Clinical classes including bedside teaching and evening demonstration classes were taken by faculty and senior residents as per schedule. Periodic assessment was done at the end of clinical posting, end of semester and final summative examination.

The faculty and senior residents of the department participated as resource person in the WISSEN, the 3rd National Under Graduate Workshop held in AIIMS, Bhubaneswar on 18th - 20th August 2019.

Clinical grand rounds were conducted monthly. Additionally, perinatal review in collaboration with department of Neonatology and Pediatrics, audit of caesarean sections & presentation of departmental statistics and morbidity and mortality were held monthly.

Ms Nandika Mishra, a student of Std 11th of Inventure Academy, Bangalore, underwent an Observership of two weeks under Dr Sweta Singh in the Department of Obstetrics and Gynaecology from 22.12.2019 to 04.01.2020.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Saubhagya Kumar Jena

1. Participated as delegate in the workshop on effective medical literature search organised by Institute research committee on 27th April 2019 at AIIMS Bhubaneswar.
2. Participated as Chairperson in the CME on PCOS & Infertility organised by FOGSI and Bhubaneswar Obstetrics and Gynaecology Society on 25.05.2019 at Bhubaneswar.
3. Participated as invited faculty in the 43rd Annual Conference of Association of Obstetrician & Gynaecologists of Odisha at Cuttack, Odisha on 26th May 2019 and delivered a talk on "Contraceptive - New Horizons".
4. Participated as invited faculty in the 37th Annual Conference of Medico Legal Society of Odisha (MELESOCON 2019) at AIIMS Bhubaneswar on 1st June 2019 and delivered a talk on "Fetal Death: Diagnosis & Role of Doctor after Delivery".

5. Participated as invited faculty in the East Zone Gynae Onco PG CME organised by Oncology committee FOGSI, Department of O & G, SCB Medical College Cuttack & Department of Gynaecologic Oncology, AHRCC Cuttack, at Cuttack on 30th June 2019 and presented a topic titled "Scoring system in GTN & moderated one scientific session on Endometrial carcinoma".
6. Participated in the CME organised by Bhubaneswar Obstetrics & Gynaecology Society in the topic Updates on PPH and Iodine deficiency in Pregnancy at Bhubaneswar on 30th June 2019.
7. Participated in the CME organised by the Association of Obstetrician & Gynaecologists of Odisha at Bhubaneswar on 30th June 2019 moderated a panel discussion on Abnormal Uterine Bleeding.
8. Participated as invited faculty in the CME on Tackling Obstetric Dilemmas organised by FOGSI & Bhubaneswar Obstetrics & Gynaecology Society at Bhubaneswar and delivered a talk on "Constipation during Pregnancy & Lactation: Impact & Management" on 12th July 2019.
9. Participated in the CME on ovulation induction organised IMA Bhubaneswar Branch in IMA house Bhubaneswar on 24th July 2019.
10. Participated in the CME organised by Bhubaneswar Obstetrics & Gynaecology Society in the topic Anaemia, AUB, Endometriosis and Ovulation Induction at Bhubaneswar on 26th July 2019 and chaired a scientific session.
11. Participated as faculty in the "National Annual Workshop Event-WISSEN 3.0" at AIIMS Bhubaneswar from 18th to 20th August 2019 for Obstetrics and Gynaecology with workshop skill stations on mechanism and conduct of normal delivery, Episiotomy, CTG (Cardiotocography) and Partograph.
12. Participated in the Workshop on Introduction to EHR Standards organised by the National Resource Centre for EHR Standards (NRCeS) in AIIMS Bhubaneswar on 21st August 2019.
13. Participated in the Delhi Gynaecological Endoscopists Society (DGES) Annual Conference 2019 organised by IAGE & DGES held from 31st August to 1st September 2019 at New Delhi and presented a competition paper titled "Ultrasonography Guided Hysteroscopic Removal of Embedded Intrauterine Bony Fragments: Locating the Unlocated" and secured 1st position.
14. Participated as resource person in the training programme on Digital Action Plan for Prevention of Obstetric Fistula organised by AIIMS Bhubaneswar in collaboration with ICMR and delivered a talk on "Identification and Complications of Obstetric Fistula at Tangi CHC, Khordha, Odisha" on 7th September 2019.
15. Participated as invited faculty in the 2nd National Conference of Society of Vaginal Surgeons of India & 15th State Conference of Association of Obstetricians & Gynaecologists of Chhattisgarh 2019 hosted by Raipur Obstetrics & Gynaecological Society in Raipur on 14th September 2019 and moderated a Case Based Gynecology Panel on Management of Itching & Discharge Per Vagina.
16. Participated as invited faculty in the MIDTERM ISOPARB Conference 2019 organised by ISOPARB Ranchi Chapter at Ranchi on 15th September 2019 and presented a topic titled "EIN – New Nomenclature of Endometrial Hyperplasia & its Clinical Significance" and chaired a session on Management of Endometriosis.
17. Participated in a scientific meeting to discuss the proposal to estimate Seroprevalence of Rubella among pregnant women held on 27th September 2019 and conducted at the National Institute of Epidemiology (NIE), Chennai under ICMR.
18. Participated as invited faculty in the PG MASTER CLASS 2019 organised by Department of O & G, IMS & SUM Hospital & ISOPARB Bhubaneswar Chapter at IMS & SUM hospital, Bhubaneswar on 28th & 29th September 2019 and presented a topic titled "Approach to Recurrent Pregnancy Loss" and chaired a session on long case presentation.
19. Participated as delegate in the workshop on Management of Child Sexual Abuse organised by ICPMPN on 9th & 10th November 2019 at Kolkata Medical College.
20. Participated as Faculty in the workshop on Breast and Gynaecologist _ Exploring the Rendezvous in the 3rd ASOMACON 2019 organised by Asian Society of Mastology on 15th November 2019 at AIIMS Bhubaneswar and organised the workshop and presented a topic titled "Breast Asymmetry & ache: The Curtain Raiser" is a Gynecologist and also participated as delegate in the workshop on Scientific Paper Writing.
21. Participated as invited faculty in the FOGSI-ICOG Annual Conference held at Bhubaneswar from 29th November to 1st December 2019 and moderated a panel discussion on Revamping Medical Education & presented a topic titled Deep Infiltrating Endometriosis (DIE): Can USG/MRI Predict Pre-operatively?
22. Participated as faculty in the IAGE ODISHA Chapter CME on 14th December 2019 at Bhubaneswar and spoke in the debate for "MRI in the Diagnosis of Endometriosis".
23. Participated as delegate in the Medical Education Conference and Workshop 2019 (MECON 2019) from 23rd to 25th January 2020 organised by Medical Education Unit, AIIMS Bhubaneswar.

24. Participated as invited faculty in the CME on PC & PNDT act organised by the department of Forensic Medicine & Toxicology at AIIMS Bhubaneswar on 20th February 2019 and presented a topic titled "Reality correlation and scenario handling – in Obstetrics & Gynaecological practice".
25. Participated as invited speaker in the CME on Common aspects in Gynaecology & Obstetrics at Kolkata on 1st March 2020 and presented a topic on "Endometriosis – what's New?".

Dr Sweta Singh

1. Attended "62nd Association of Minimal Access Surgeons of India (AMASI) Skill Course", organised by AMASI and Department of General Surgery from 11th to 13th April, 2019 at AIIMS Bhubaneswar.
2. Attended "Workshop on effective Medical Literature Search", organised by the Institute Research Committee on 26th April 2019 at AIIMS Bhubaneswar.
3. Attended CME organised by Bhubaneswar Obstetrics and Gynaecology Society on 19th June 2019 at Bhubaneswar and was a panellist on the topic "Basics in Obstetric ultrasound".
4. Attended East Zone Gynaecologic Oncology PG CME organised by FOGSI Oncology Committee under the aegis of Indian College of Obstetrics and Gynaecology (ICOG), Association of Gynaecologic Oncologists of India (AGOI), and Association of Obstetricians and Gynaecologists of Odisha (AOGO) on 29th and 30th June 2019 at JDM Hall, SCB Medical College, Cuttack and delivered a short lecture on "Lynch Syndrome" on 30th June 2019.
5. Attended CME "Updates on PPH and Iodine in Pregnancy" organised by Bhubaneswar Obstetrics and Gynaecology Society on 30th June 2019 at Bhubaneswar.
6. Attended and part of organizing team of "Workshop on Augmentation of Teaching Skills for Senior Residents" organised by the Medical Education Unit, AIIMS Bhubaneswar on 5th and 6th July, 2019 and delivered a lecture on "Ethics and Professionalism" on 6th July 2019.
7. Attended Workshop on "Tackling Obstetrics Dilemmas" organised by Bhubaneswar Obstetrics and Gynaecology Society under the aegis of Medical Disorders in Pregnancy Committee, FOGSI on 12th July 2019 at Bhubaneswar and was a panellist on the topic "Enigmatic Obstetric Challenges Simplified"?
8. Attended CME on the topic "Anaemia, AUB, Endometriosis and Ovulation Induction" organised by Bhubaneswar Obstetrics and Gynaecology Society on 26th July 2019 at Bhubaneswar.
9. Attended WISSEN 3.0, National level Annual Workshop event organised by Students Association, AIIMS Bhubaneswar (SAAB) from 18th-20th August, 2019 and conducted obstetrics workshop session on 20th August 2019.
10. Attended 1st ISAR Masterclass on "Endocrine Disruptors and fertility" organised by Odisha chapter of Indian Society of Assisted Reproduction (ISAR) at Bhubaneswar on 25th August 2019 and delivered a lecture on "Should there be universal screening for genital TB for infertile women in India?"
11. Attended national conference All India Coordination Committee Royal College of Obstetricians and Gynaecologists (AICC RCOG) 2019 from 5th to 8th September 2019 at Kolkata and chaired a session on "Free Communications 9" on 6th September 2019 and also presented a scientific paper titled "Clinical and Neuro-imaging correlates in women with hypertensive disorders of pregnancy" on 06.09.2019.
12. Attended CME on Abnormal uterine bleeding, organised by the Bhubaneswar Obstetrics and Gynaecology Society (BOGS), in association with Federation of Obstetric and Gynaecologic Societies of India (FOGSI) at Bhubaneswar on 28th September 2019 and moderated a panel discussion on AUB.
13. Attended PG Masterclass 2019, organised by the Department of Obstetrics and Gynaecology, IMS SUM Hospital, Bhubaneswar, under the aegis of Indian Society of Perinatology and Reproductive Biology (ISOPARB), Bhubaneswar chapter from 28th to 29th September 2019 at IMS SUM Hospital and delivered an invited lecture on "Guidelines in induction of labour" on 28th September, 2019 and was an examiner for the case on "fibroid uterus" by the PG students on 28th September, 2019.
14. Attended 3rd Asian Society of Mastology Annual Conference (ASOMACON 2019), organised by AIIMS Bhubaneswar from 16th to 17th November, 2019 and delivered an invited lecture on 16th November, 2019 during the Workshop on "Breast and Gynaecologist-Exploring the rendezvous" on the topic "Breast cancer and gynaecologist-What to expect in the rendezvous?" and chaired the session on "Obstetricians and the allied physicians"?
15. Attended ICOG-FOGSI "National Conference on fundamentals in Obstetrics and Gynaecological Practice", under the aegis of AOGO (Association of Obstetricians and Gynaecologists of Odisha), FOGSI (Federation of Obstetric and Gynaecological Societies of India) and ICOG (Indian College of Obstetrics and Gynaecology) from 29th November to 1st December, 2019 at Bhubaneswar and delivered an invited talk on "Acute Hepatic Failure in Pregnancy".
16. Attended CME on Endometriosis organized by Indian association of Gynaecologic endoscopists (IAGE), Odisha chapter on 14th December 2019 at Bhubaneswar and participated in a debate on "OCP or Progesterone for long term suppression of endometriosis" during the "Debates in endometriosis" session.

17. Attended "FOGSI CME on Novel Management Strategies in High Risk Pregnancy", organised by the Bhubaneswar Obstetrics and Gynaecology Society (BOGS), in association with FOGSI on 22nd December 2019 at Bhubaneswar and delivered an invited talk on "Management of Preterm Births: Current Treatment Options".
18. Attended and part of organizing team of the Medical Education Conference and Workshop "MECON 2020", organized by Medical Education Unit, AIIMS Bhubaneswar at AIIMS Bhubaneswar from 23rd to 25th January 2020 at AIIMS Bhubaneswar and chaired the session "Crossfire" held on 25th January 2020.

Dr Pruthwiraj Sethi

1. Attended "Workshop on effective Medical Literature Search", organised by the Institute Research Committee on 27th April 2019 at AIIMS Bhubaneswar.
2. Attended the National level Annual workshop event "WISSEN 3.0" from 18th-20th August 2019 as guiding faculty in Obstetrics and Gynaecology workshop at AIIMS, Bhubaneswar.
3. Attended CME on Abnormal uterine bleeding, organised by the Bhubaneswar Obstetrics and Gynaecology Society (BOGS), in association with Federation of Obstetric and Gynaecologic Societies of India (FOGSI) at Bhubaneswar on 28th September 2019 and participated as faculty on panel discussion on abnormal uterine bleeding.
4. Attended PG Masterclass 2019, organised by the Department of Obstetrics and Gynaecology, IMS SUM Hospital, Bhubaneswar, under the aegis of Indian Society of Perinatology and Reproductive Biology (ISOPARB), Bhubaneswar chapter from 28th-29th September, 2019 at IMS SUM Hospital and participated as faculty.
5. Participated as faculty in the "East Zone Yuva FOGSI 2019" from 2nd to 3rd November 2019 at Shillong and was a panellist for the topic "Near miss case scenario" and participated as delegate in the laparoscopy workshop.
6. Attended workshop on breast and gynaecology as faculty in the 3rd annual conference of the Asian society of Mastology, ASOMACON 2019 held from 15th to 17th November 2019 at AIIMS, Bhubaneswar and delivered an invited lecture on topic "Nipple discharge: think beyond lactation" on 16th November 2019 and attended workshop on "Scientific paper writing".
7. Participated as panellist for the topic "Mass abdomen" in the ICOG-FOGSI national conference on fundamentals in Obstetrics and Gynaecological practice from 29th November-1st December 2019 at Bhubaneswar and judged a session on free paper presentations.
8. Participated in the pre-conference workshop on change management and portfolio-based teaching, learning and assessment at the Medical education workshop and also participated as delegate in the medical education conference "MECON-2020" from 23rd to 25th January 2020 at AIIMS, Bhubaneswar.

Dr. Subarna Mitra

1. Attended 62nd AMASI Skill Course from 11th to 13th April 2019 at AIIMS, Bhubaneswar and obtained fellowship in minimal access surgery (FMAS)
2. Attended a workshop on Effective Medical Literature Search on 27th April, 2019 at AIIMS, Bhubaneswar
3. Attended CME on "Tackling obstetric dilemmas" on 12th July, 2019 at Bhubaneswar
4. Attended FOGSI International Conference Saving Mothers between 2nd to 4th August, 2019 at Gorakhpur, Uttar Pradesh and presented a talk on "Bronchial asthma in pregnancy" and participated in a brain storming session on "Screening in routine antenatal care – how much is too much"
5. Delivered a lecture on "Overview of normal labour and its management" in WISSEN 3.0 between 18th to 20th August, 2019 at AIIMS, Bhubaneswar
6. Participated as resource person in PG Master Class on 28th and 29th September 2019 at SUM Hospital, Bhubaneswar and moderated the session on case presentation on ovarian tumors and viva voce.
7. Attended CME on "Abnormal Uterine Bleeding" on 28th September, 2019 at Bhubaneswar.
8. Participated as panelist in panel discussion on "Adolescent bleeding: case-based discussion" in Annual Conference of FOGSI-ICOG from 29th November to 1st Dec, 2019 at Bhubaneswar.
9. Presented a talk on "Breast problems in puerperium – Woes for mother, baby and obstetrician" in the workshop "Breast and gynecologist – Exploring the rendezvous" in 3rd ASOMACON, 15-17th November, 2019, AIIMS, Bhubaneswar and also attended workshop on "Scientific paper writing" in 3rd ASOMACON on 17th November, 2019 at AIIMS, Bhubaneswar.
10. Attended CME on Endometriosis on 14th December 2019 at Bhubaneswar.

Dr Jasmina begum

1. Attended workshop on 18th ICMR Course on medical genetics and Genetics counselling from 26th August to 7th September 2019 at SGPGI, Lucknow.
2. Attended ICOG-FOGSI, National Conference at Bhubaneswar from 29th November 2019 to 1st December 2019.

3. Attended as panelist for Bleeding in early pregnancy on 1st December 2019 and judged the free paper presentation in ICOG-FOGSI, National conference at Bhubaneswar.
4. Attended conference and delivered a talk on "Breast lump: All lumps are not cancers" in ASOMACON 2019 from 15th November to 16th November 2019 at AIIMS Bhubaneswar.
5. Attended Workshop on Obstetrics and Gynaecology, as guiding faculty in WISSEN 2019 from 18th to 20th August 2019 at AIIMS, Bhubaneswar.
6. Attended one day CME On Tackling Obstetrics Dilemmas on 12th July 2019 organized by Bhubaneswar Obstetrics and Gynaecology
7. Attended CME as speaker on "Abnormal uterine bleeding, current classification and management" for Bhubaneswar Obstetrics and Gynaecology society on 26th July 2019.

Senior Residents and Postgraduates:

1. Dr Chinmayee Kar presented a paper titled "Correlation of MRI with surgical staging of endometrial carcinoma: A single institutional experience at RCOG World congress, 2019 on 18th June 2019 at London.
2. Dr Nibedita Maharana presented a paper titled "Non-communicating functional rudimentary uterine horn: from diagnosis to intervention "on 31st January 2020 at AICOG, Lucknow.
3. Dr Abhipsa Ratha presented a paper titled "Rhinocephaly: rare cause of the common stillbirth" on 31st January 2020 at AICOG, Lucknow.
4. Dr Neelu Sontakke presented a paper titled "Mullerian anomalies: A one-year case series" on 2nd November 2019 in East Zone Yuva FOGSI 2019 at Shillong.
5. Dr Manisha presented a paper titled "A rare case of ovarian leiomyoma" on 3rd November 2019 in East Zone Yuva FOGSI 2019 at Shillong.
6. Dr Priyanka Dasgupta presented a paper titled "Routine third trimester ultrasonography in predicting adverse outcome" on 3rd November 2019 in East Zone Yuva FOGSI 2019 at Shillong.
7. Dr Manisha presented a paper titled "Clinical, sonological and histopathological correlation of adenexal masses: an interim analysis" on 29th January 2020 at AICOG, Lucknow.
8. Dr Neelu Sontakke presented a paper titled "Obstetric outcomes in medical nutrition therapy treated vs insulin treated women with GDM: A cohort study- interim analysis" on 29th January 2020 at AICOG, Lucknow.
9. Dr Zaheda Aziz, academic junior resident, presented a topic titled Abnormal Vaginal Discharge in the Expert Vs. Novice Session in the FOGSI-ICOG Annual Conference held at Hotel Mayfair Convention of Bhubaneswar on 29th November 2019.
10. Dr Milan Sinha, academic junior resident, presented a scientific paper titled "Alteration of serum anti-mullerian hormone level after laparoscopic ovarian cystectomy in endometrioma & benign cyst: a prospective comparative study" in the 63rd All India Congress of Obstetrics & Gynaecology (AICOG) at Lucknow from 29th January to 2nd February 2020.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: Effect of combination of letrozole with clomiphene citrate versus letrozole alone on pregnancy rate in sub fertile women with polycystic ovarian syndrome: A randomized control trial
Name of the principal investigator: Dr Pruthwiraj Sethi
Funding agency: AIIMS, Bhubaneswar
Duration: 1 year
Start year: 2020
Funds: Rs. 164500/-
IEC approval number: T/IM-F/19-20/19
2. Title of the project - Association between anti-Mullerian hormone levels and metabolic syndrome in women with polycystic ovary syndrome
Name of the principal investigator - Dr. Subarna Mitra
Funding agency: AIIMS, Bhubaneswar
Duration: 2 years
Start year: 2018
Funds: Rs. 2,61,080/-
IEC approval number: T/IM-F/18-19/30 1.

3. Title of the project. Association of novel hepatokine fetuin B and pregnancy outcome in intrahepatic cholestasis of Pregnancy
 Name of the principal investigator: Dr Jasmina Begum
 Funding agency: AIIMS Bhubaneswar
 Duration: 2 years,
 Start year: 2019,
 Funds: Rs. 2,06853
 IEC approval number: T/IM-F/18-19/36

Completed:

1. Title of the project. "Clinical and neuro-imaging correlates in hypertensive disorders of pregnancy"
 Name of the principal investigator: Dr Sweta Singh
 Funding agency: AIIMS Bhubaneswar
 Duration: 2 years,
 Start year: 2017
 Funds: Rs.2 lakhs
 IEC approval number: IEC No-T/IM-F/17-18/32

Departmental:**Ongoing:**

1. Title of the project. Obstetric outcomes in medical nutrition therapy treated vs insulin treated women with GDM: A cohort study
 Name of the principal investigator: Dr Sweta Singh
 Funding agency: Nil
 Duration: 2 years
 Start year: 2018
 Funds: Not applicable
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/24
2. Title of the project. Routine third trimester ultrasonography in predicting adverse perinatal outcome
 Name of the principal investigator: Dr Sweta Singh
 Funding agency: Nil
 Duration: 2 years
 Start year: 2018
 Funds: Not applicable
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/36
3. Title of the project. Reliability of International Ovarian Tumor Analysis (IOTA) models in evaluating ovarian tumours at a tertiary care hospital
 Name of the principal investigator: Dr Sweta Singh
 Funding agency: Nil
 Duration: 2 years;
 Start year: 2019
 Funds: Not applicable
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/20
4. Title of the project: Prospective Observational study of clinic-pathological findings in the evaluation of postmenopausal bleeding.
 Name of the principal investigator: Dr Saubhagya Kumar Jena
 Funding agency: Nil
 Duration: 2 years;
 Start year: 2019
 Funds: Not applicable
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/16
5. Title of the project. Comparison of efficacy between levonorgestrel intrauterine system and dienogest in Adenomyosis: A randomized clinical trial.
 Name of the principal investigator: Dr Saubhagya Kumar Jena
 Funding agency: Nil
 Duration 2 years;
 Start year: 2020
 Funds: Not applicable
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/95

6. Title of the project. Intracervical dinoprostone versus vaginal misoprostol for induction of labour: a randomized controlled trial
Name of the principal investigator: Dr Sweta Singh
Funding agency: Nil
Duration 2 years;
Start year: 2020
Funds: Not applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/110
7. Title of the project. "Clinical, sonological and histopathological correlation of adnexal masses: a prospective observational study".
Name of the principal investigator Dr Pruthwiraj Sethi
Funding agency: Nil
Duration 2 years;
Start year: 2019
Funds: Not applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/50
8. Title of the project. Chromohysteroscopy as a technique for evaluation of postmenopausal bleeding in women attending a tertiary care centre in Eastern India – an observational study"
Name of the principal investigator Dr Pruthwiraj Sethi
Funding agency: Nil
Duration 2 years;
Start year: 2019
Funds: Not applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/1
9. Title of the project. "Comparing the efficacy of chlorhexidine gluconate versus povidone iodine as skin antiseptic for prevention of surgical site infection in women undergoing emergency caesarean delivery: a randomized control trial"
Name of the principal investigator: Dr Pruthwiraj Sethi
Funding agency: Nil
Duration 2 years;
Start year: 2020
Funds: Not applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/109
10. Title of the project. "Cervical Consistency Index as a predictor of outcome of Induction of Labour as compared to Modified Bishop Score: A Prospective Observational Study"
Name of the principal investigator: Dr Pruthwiraj Sethi
Funding agency: Nil
Duration 2 years;
Start year: 2019
Funds: Not applicable
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/111 2.
11. Title of the project. Preference and associated factors for caesarean delivery among pregnant women: a cross-sectional study.
Name of the principal investigator Dr. Jasmina Begum
Funding agency: Self
Duration: 2 year,
Start year: 2019,
Funds: Not applicable
IEC approval number: T/IM-NF/O&G/18/81

Completed

1. Title of the project. Effect of Vitamin D supplementation among women with low levels of Vitamin D in Gestational Diabetes mellitus
Name of the principal investigator: Dr Saubhagya Kumar Jena
Funding agency: Nil
Duration 2 years; start year: 2017
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/19
2. Title of the project. Association of anti-thyroid peroxidase antibody levels and adverse obstetric outcome in antenatal women with euthyroid profile.

Name of the principal investigator: Dr Saubhagya Kumar Jena
 Funding agency: Nil
 Duration 2 years; start year: 2017
 Funds: Nil
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/15

3. Title of the project. Association between anti-Mullerian hormone levels and metabolic syndrome in women with polycystic ovary syndrome.
 Name of the principal investigator: Dr Saubhagya Kumar Jena
 Funding agency: Nil
 Duration 2 years; start year: 2017
 Funds: Nil
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/28
4. Title of the project. Cerebroplacental ratio versus Non-stress test in Predicting Adverse Perinatal Outcome in Hypertensive Disorders of Pregnancy
 Name of the principal investigator: Dr Sweta Singh
 Funding agency: Nil
 Duration 2 years; start year: 2017
 Funds: Nil
 IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/27

Collaborative projects:

Ongoing:

1. Title of the project. In-vivo detection of cervical pre-cancer/cancer with polarized fluorescence based portable device.
 Name of the site principal investigator: Dr Sweta Singh (with IIT Kanpur)
 Funding agency: Gandhian Young Technological Innovation Award 2016
 Duration: Two years
 Start year: 2018
 Funds: Rs.15 lakhs only
 IEC approval number: IEC No. T/EM-F/O&G/17/29 dated 19.03.2018.

PUBLICATIONS

1. Sethi P, Purkait S. Mature Cystic Teratoma of Douglas' Pouch: A Rare Entity. Cureus 2019;11(8): e5515 PMID: 31687291

PATIENT CARE / HOSPITAL SERVICES PATIENT CARE / HOSPITAL SERVICES

Total number of patients seen in OPD: 44,364 (New: 14,904, Old: 27,225 & Referral: 2,235)

1. Obstetrics – 6,955
2. Gynaecology- 37,409

Total number of patients seen in Special Clinics:

1. Infertility – 1,361
2. High Risk Pregnancy- 1,433

Total number of Ultrasonography done in the department: 8,062

1. Obstetrics – 3,096
2. Gynaecology – 2,420
3. Labour room – 2,546

OPD procedures

Total number of Colposcopy done in the department: 85
 Total number of Intrauterine Devices Inserted: 46
 Total number of Cryosurgery done in the department: 18

Total number of patients admitted in IPD: 5,089

1. Obstetrics – 3,144 (General ward: 3,045 and Private ward: 99)
2. Gynaecology- 1,936 (General ward: 1,878 and Private ward: 58)

Total number of Surgeries performed in Operation Theatre: 1,784

1. Major Surgeries - 768

(Surgeries like vaginal hysterectomy with pelvic floor repair for pelvic organ prolapse, non-descent vaginal hysterectomy, total abdominal hysterectomy with bilateral salpingo-oophorectomy for ovarian tumour, exploratory laparotomy, myomectomy for fibroid uterus and unilateral salpingo-oophorectomy for large ovarian cyst, Wertheim's hysterectomy, LSCS etc)

2. Minor Surgeries – 708

(Surgeries like fractional curettage, LEEP, biopsy cervix, dilatation and curettage, examination under anaesthesia, endometrial biopsy, polypectomy and evacuation for incomplete abortion, cervical encercalage etc)

3. Laparoscopic Surgeries – 308

(Surgeries like diagnostic laparoscopy, DHL, operative hysteroscopic procedures, laparoscopic ovarian cystectomy, TLH, LAVH, laparoscopic endometriosis surgery, sacrospinous fixation, laparoscopic radical hysterectomy etc)

Total number of Deliveries: 1649

1. LSCS - 1047
2. Vaginal Delivery- 602
 - Live Births – 1616
 - Still Births - 64

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr Saubhagya Kumar Jena

1. Secured 1st position in the Delhi Gynaecological Endoscopists Society (DGES) Annual Conference on 1st September 2019 in New Delhi for paper titled "Ultrasonography Guided Hysteroscopic Removal of Embedded Intrauterine Bony Fragments: Locating the Unlocated".

Dr Sweta Singh

1. Organized programme for the 6th (WBDD) on 03.03.2020 at AIIMS Bhubaneswar as nodal officer of the Stillbirths and Birth Defects Surveillance Cell, AIIMS Bhubaneswar. A public lecture was organized in the OPD Foyer from 11:00-12:00 noon and a quiz for the postgraduate students of the department of Obstetrics and Gynaecology and Paediatrics was organized from 4:00-5:00PM on 03.03.2020.

Dr. Subarna Mitra

1. Was conferred fellowship in minimal access surgery (FMAS) in April 2019 by the Association of Minimal Access Surgeons of India.

Dr Jasmina Begum

1. Passed the Basic course in Biomedical Research (September 2019 to- December 2019) from Indian Council of Medical Research Chennai.
2. RCOG –Associate membership from Royal College of Obstetrics and Gynaecology, Member ID RCOG Number 205361 issued on 22.10.2019



Inauguration of Labour Operation Theatre (First Modular OT in AIIMS Bhubaneswar) by our esteemed Director Prof. Gitanjali Batmanabane on 16th April 2019.



AIIMS Bhubaneswar was awarded the status of platinum partner by World Defects Day Steering Committee, Italy



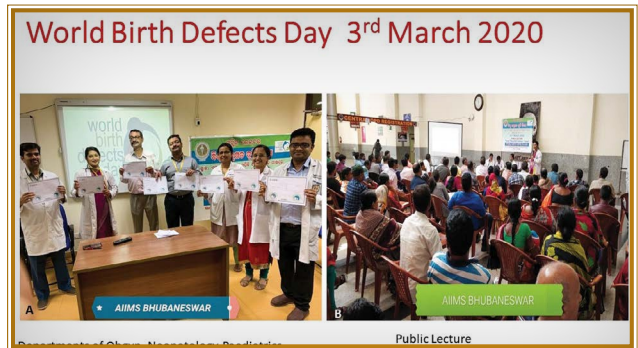
Dr Saubhagya Kumar Jena received first prize in faculty competition paper presentation in the Delhi Gynaecological Endoscopists Society (DGES) Annual Conference on 1st September 2019 in New Delhi.



Dr Saubhagya Kumar Jena presenting a topic titled Role of MRI in Endometriosis as an invited faculty in FOGSI-ICOG Conference in Bhubaneswar



Dr Sweta Singh, as faculty at various conferences during the year



Observation of World Birth Defects Day at AIIMS Bhubaneswar on 3rd March 2020



Dr Pruthwiraj Sethi as faculty at PG Masterclass 2019, organised by the Department of Obstetrics and Gynaecology, IMS SUM Hospital, Bhubaneswar



Faculty, Senior residents and Postgraduates in ASOMACON 2019 at AIIMS Bhubaneswar



Dr Subarna Mitra at FOGSI International Conference Saving Mothers 2019 at Gorakhpur, Uttar Pradesh



Dr Pallabi Nayak demonstrating labour mechanism in at WISSEN 3.0 at AIIMS, Bhubaneswar



OPHTHALMOLOGY

OPHTHALMOLOGY

FACULTY

Dr. Sucheta Parija
Additional Professor

Dr. Bhagabat Nayak
Assistant Professor

Dr. Sandip Sahu
Assistant Professor

HIGHLIGHTS

The department of Ophthalmology is presently involved in patient care in the form of outpatient services, ophthalmic surgeries and inpatient services. Department is also involved in the screening of retinopathy of prematurity (ROP) in neonatal ICU. The key highlight is the collaboration in the signing of an MoU with Drishti Dann Eye Bank, LV Prasad Eye Institute Bhubaneswar on 11th February 2020 for Hospital Corneal Retrieval Program (HCRP) for corneal collection from AIIMS Bhubaneswar for the Corneal transplantation. The faculty of Ophthalmology in association with the Department of Anatomy, AIIMS Bhubaneswar and LV Prasad Eye Institute Bhubaneswar successfully conducted an international cadaveric workshop for oculoplastic surgeons on 7th December 2019. Also, there has been the installation of Perimetry & Posterior segment laser (Argon Green) for visual field analysis and retinopathy patients. The department has started the cataract surgery in the community ophthalmology programme in collaboration with AIIMS community health centre at Tangi, Khordha under National Programme for Control of Blindness (NPCB). It is involved in the Rashtriya Bal Swasthya Karyakram (RBSK) activities and is continuing surgeries on congenital cataract, strabismus and congenital nasolacrimal duct obstruction. The faculties are also involved in clinical research and teaching postgraduate (PGs), undergraduate (MBBS) and BSc Nursing students.

EDUCATION

The department is involved in the teaching of Postgraduates, MBBS, BSc nursing students. All theory and clinical ward teaching classes are conducted as per the schedule. Clinical ward round by faculties and evening ward teaching for junior residents are held regularly. Further, the department is involved in taking six monthly internal assessment examination for PGs and end posting examination of MBBS students in every two weeks. Seminars, Journal clubs and special guest lectures are held regularly in the department for better academic atmosphere among PGs, SRs and interns. Surgical teaching of PGs is done through assisting the PGs step by step by faculties and SRs. There are CMEs, workshops and Guest lectures by visiting faculties to improve the surgical skills and keep updated with the recent advances.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Sucheta Parija

1. Presented her paper on "Is Quality of life affected by different types of IOL in patients undergoing cataract surgery?" in the All India Ophthalmological Society (AIOS) conference 2020 from 13th-16th February at Gurugram, Haryana. She also presented a poster and video at the conference.
2. Invited as a Guest Speaker to deliver a lecture on "Figuring out Pattern Strabismus" in Pediatric Ophthalmology and Strabismus Symposium, PASS 2020 held at Aravind Eye Institute, Pondicherry on 4th and 5th January 2020.
3. Invited as a Speaker to deliver a lecture on "My Experience on the new sinusoidal trifocal IOL-TRINOVA" at the CME on Live Surgery on Cataract and Refractive Surgery at KAR VISION Eye Hospital Bhubaneswar on 26th January 2020.
4. Delivered a talk on Recent Advances in Neonatal Care- ROP Screening at 8th Conference of Indian Association of Neonatal Nurses held at AIIMS Bhubaneswar on 10th February 2020.
5. Poster presentation on "Visual outcomes of pituitary adenoma after trans-sphenoidal resection surgery in a tertiary care hospital in eastern India at RANCO, Sydney between November 6th-10th 2019.
6. Invited to deliver two lectures on Cataract and Strabismus topic, "Quiet Eye – Postoperative Cataract Surgery" and "A-V Pattern Strabismus" at Odisha Ophthalmological Society between 1st and 2nd December 2019.

Dr Bhagabat Nayak

1. Presented research work "Post cataract surgery visual gain and loss of dependency on family members in one-eyed advanced glaucoma patients" in the annual conference of Glaucoma Society of India, at Lucknow, India on 20th-22nd September 2019.
2. Attended Indian Intraocular Refractive Society (IIRS) annual conference, New Delhi, India between 7th and 8th September 2019.
3. Attended Indian Neuroophthalmological Society annual conference, INOS at Indian Habitat Centre, New Delhi, India between 30th November-1st December 2019.
4. Invited as speaker to deliver a lecture on "Seven important points in perimetry" in All India Ophthalmic Society (AIOS) conference 2020, Gurugram, India between 13th-16th February 2020.

- Invited as speaker to deliver a lecture on "Management of Hyphema and angle recession glaucoma in Ocular Trauma Conference, Odisha Chapter at Bhubaneswar, in 21st, July 2019.

Dr. Sandip Kumar Sahu

- Attended short term training on phaco-cataract surgery at Sankar Foundation Institute of Ophthalmology at Vishakhapatnam, India from 1st June-30th June 2019
- Attended the "MEDUCON-2019" held at JIPMER, Puducherry, India from 13.09.2019 to 15.09.2019.
- Attended the workshop on "Basic statistical analysis using SPSS" at Indian Institute of Public Health, Delhi, India from 26th -29th Nov.2019.

Dr. Lalitha CS, Senior Resident

- Presented a video on "Episiotomy of impacted Haptic" at the 37th ESCRS Conference at Paris in September 2019.

Dr. Koyel Chakraborty, Junior Resident

- Presented a poster on "Radiation retinopathy following Nasopharyngeal carcinoma" in All India Ophthalmological Society Conference (AIOC 2020) at Gurugram, Haryana from 13th-16th February 2020 at Gurugram.

RESEARCH

Funded Projects:

Ongoing:

- Title of the project: A Study of clinical and laboratory markers to describe the outcome of prematurity with respect to development of Retinopathy of Prematurity in preterm and/or low birth weight newborns at AIIMS, Bhubaneswar."
Name of the principal investigator: Dr Sandip Kumar Sahu
Funding agency: AIIMS Bhubaneswar intramural project
Duration: 2 years, start year: 2018 , Funds: Rs. 50,000
IEC approval number: IMF/20/2018.

Departmental:

Ongoing:

- Title of the project: Visual outcome of Toric IOL in cataract patients with low astigmatism
Name of the principal investigator: Dr. Sucheta Parija
Duration:2 years; start 2019; funds: Nil
IEC approval number: T/IM-NF/Ophthal/19/81
- Title of the project.: Study of The Refractive Changes and Ocular Biometrics in Preterm and Term Infants.
Name of the principal investigator: Dr. Sucheta Parija
Funding agency: AIIMS Bhubaneswar
Duration:2 years, start year: 2018 Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/29
- Title of the project: Study of Ganglion Cell Complex and Retinal Nerve Fibre Layer in Perichiasmatic Brain Tumour Patients: A Prospective Observational Study.
Name of the principal investigator: Dr. Sucheta Parija
Funding agency: AIIMS Bhubaneswar
Duration :2 years, start year: 2018 Funds: nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/30
- Title of the project.: "Long Term Visual Outcome of Bilateral Paediatric Cataract Patients Treated with Lens Aspiration and IOL Implantation in Eastern India"
Name of the principal investigator: Dr. Sucheta Parija
Funding agency: AIIMS Bhubaneswar
Duration :2 years, start year: 2019 Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/23
- Title of the project.: "Study of Ocular Changes in Psoriasis Patients with Psoriasis Severity Index More Than 10 In Eastern India: A Prospective Observational Study"
Name of the principal investigator: Dr. Sucheta Parija
Funding agency: AIIMS Bhubaneswar
Duration :2 years, start year: 2019 Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/22

PUBLICATIONS

1. Sen S, Parija S, Nayak B. Hypotony maculopathy: a surgeon's nightmare. *BMJ Case Rep.* 2019;12(11): e231272. PMID: 31712237
2. Sen S, Sahu SK, Lalitha CS, Parija S. Rare presentation of capillary haemangioma. *BMJ Case Rep.* 2019 4th August;12(8): e230222. PMID: 31383685
3. Banerjee A, Nayak B, Verma G, Parija S. Resolution of grade IV hypertensive retinopathy in an adult with pheochromocytoma: post-tumour resection. *BMJ Case Rep* 2020;13(2): e231245. PMID: 32060107

PATIENT CARE / HOSPITAL SERVICES

Department is regularly conducting speciality clinics such as Glaucoma clinic, Paediatric ophthalmology and strabismus, Diabetic screening clinic and ROP screening activity. Cataract surgery in patients coming through community ophthalmology camp services has already started under NPCB programme. New services like implantation of trifocal intraocular lenses for cataract patients and toric IOL for children added the current year. This is a reach-in activity and surgeries are conducted at AIIMS free of cost for these patients. Anterior segment laser (Nd: YAG), posterior segment laser (argon green laser) and Humphrey visual field machine has been installed in the year 2019 for better patient care. The total number of patients attended in ophthalmology OPD in the year 2019-2020 were 34077, the no of patients admitted in IPD was 1165, and the total patients who were operated during the same year were 1120. The total diagnostic ocular examinations (IOP, FFA, OCT and AR) was 26,669. A total of 35 congenital cataracts operated under RBSKY scheme and rehabilitated for regaining full visual potential in the year 2019

VISITING SCIENTISTS

1. Dr. Debashish Das from Narayan Nethralaya, Bangalore, India has delivered a lecture on "Stem Cell Research in Ophthalmology" on 02/04/2019 at seminar room, department of Ophthalmology.
2. Dr. Tapas Ranjan Padhi, Consultant, Retina Services, LV Prasad Eye Institute Bhubaneswar, delivered a talk on "Retinopathy of Prematurity-Overview" on 18.7.2020 at Seminar Hall, Department of Ophthalmology.

AWARDS, HONORS & SIGNIFICANT EVENTS

1. The Bhubaneswar Cadaveric workshop-2019 on Oculoplasty and basics of strabismus was held at Anatomy Dissection Hall in collaboration with LV Prasad Eye Institute Bhubaneswar, on 7.12.19. There were around 52 registered delegates, of them, four were international delegates. There were hands-on surgeries on basic and advanced oculoplastic surgeries and demonstration on cranial nerves and its clinical course and implications.
2. Department of Ophthalmology was involved in the celebration of "Glaucoma awareness week" in March 2020 and World Sight Day – 10th October 2019 to spread awareness on the preventable causes of blindness.



World Glaucoma Week celebration in March 2020 in department of Ophthalmology in presence of honourable Director.



MoU in between AIIMS, Bhubaneswar and with Drishti Dann Eye Bank, LVPI Bhubaneswar on 11th February 2020 for starting eye bank.



International Cadaveric Workshop for Oculoplastic Surgeons on 7th December 2019 organised by dept of Ophthalmology.



ORTHOPAEDICS

ORTHOPAEDICS

FACULTY

Dr. Bishnu Prasad Patro
Additional Professor and HOD

Dr. Sujit Kumar Tripathy
Additional Professor

Dr. Mantu Jain
Associate Professor

Dr. Gurudip Das
Assistant Professor

HIGHLIGHTS

The department started post-graduation course in 2018. Orthopedic surgeries performed in the department range from basic fractures to complex spine, joint replacement, sports injuries, etc related surgeries. We have performed more than 1500 major surgeries and treated nearly 1,00,000 patients in OPD this year. Department has conducted a workshop on plaster technique and x-ray reading for MBBS students, a symposium on plaster technique and Tibial condylar fractures for postgraduate students.

EDUCATION

Department is involved in postgraduate (MS), undergraduate (MBBS) and B.Sc. (Nursing) teaching. Department has been following the new curriculum for the undergraduate and the postgraduate students formulated in AIIMS Bhubaneswar. MBBS students' theory and practical classes are designed to train them on basic aspects of Orthopaedics and meet the need of primary health centre. Postgraduate training span from basic orthopaedics to complex orthopaedic conditions with more emphasis on hands on training. There is regular departmental seminar and workshops to fulfil the cognitive, affective and psychomotor domain of learning.

CMES/WORKSHOPS/SYMPOSIA/NATIONAL AND INTERNATIONAL CONFERENCES

Dr Bishnu Prasad Patro.

1. Attended the Indian Arthroscopy Society conference from 26th September to 28th September 2019 at Indore, India as guest faculty and presented paper Title: Tibial Bone Quality and Interferential Screw Diameter In Anterior Cruciate Ligament Reconstruction.
2. Attended the Odisha Orthopaedic Annual conference from 11th January to 12th January 2020 at Bhubaneswar, India and presented paper Title: Innovative fracture reduction devise.
3. Attended the Odisha Arthroscopy Society conference from 9th September to 10th September 2019 at Cuttack, India and presented paper Title: Acute Knee Dislocation-management Algorithm and Cruciate injuries.
4. Attended the Shoulder Conclave on 23rd February 2020 at Bhubaneswar, Odisha and presented paper Title: Applied Anatomy of Rotator Cuff and Biomechanics of force couple.
5. Attended the Odisha Arthroscopy society midterm CME on 1st September 2019 at Bhubaneswar, Odisha and presented paper Title: Patello-femoral Instability.
6. Attended the Orthopaedic and Traumatology seminar (Odisha Journal Of Traumatology-Indian Journal of Orthopaedics) on 14th July 2019 at Cuttack, Odisha and presented paper Title: Writing a Protocol at scientific writing course.
7. Attended the Amara hip preservation course from 10th August to 12th August 2019 at Tirupati, India.
8. Attended the Reverse shoulder Arthroplasty Workshop on 19th October 2019 at Bengaluru, India.
9. Attended the Indian Plastic surgery conference from 13th September to 15th September 2019 at Puri, Odisha.
10. Organized the workshop on Plaster technique and radiological evaluation at WISSEN in August 2019

Dr. Sujit Kumar Tripathy

1. Participated in "Workshop on Effective Medical literature search" by QMed Foundation on 27th April 2019 at AIIMS Bhubaneswar.
2. Attended Amara Hip Preservation Course at Tirupati from 10th August to 12th August 2019.
3. Invited guest faculty to Medtronic Trauma symposium, Bengaluru from 28th and 29th September 2019. Dr. Sujit delivered following lectures: Fixation devices in Distal femoral fractures advantages and pitfalls, Management of Periprosthetic distal femur Fractures, Radiological classification of Proximal Tibia fractures, Osteo Arthritis How to counter it?, Osteotomies around the knee and Medial Tibia: surgical approach.
4. Attended the Indian orthopaedic association annual Conference (IOACON) 2019 at Kolkata from 19th November 2019 to 24th November 2019 and presented papers titled "Association of vitamin-D deficiency and knee osteoarthritis

in young Indian patients" (RC Lallan Gold medal paper) and "Response to Zoledronic acid in children with Fibrous dysplasia" (PT Rao gold medal paper, PG student Dr Paulson Verghese).

5. Attended the Indian orthopaedic association annual Conference (IOACON) 2019 at Kolkata from 19th November to 24th November 2019 and presented a poster titled "Simultaneous sequential Ganz's safe surgical dislocation and fixation in Bilateral Pipkin type 2 fracture dislocation".
6. Attended the International Society of Orthopaedic Surgery and Traumatology (SICOT) 2019 at Muscat, Oman from 4th December to 8th December 2019 and presented papers titled "Association of Vitamin-D deficiency and osteoarthritis knee in young Indian patients." "Giant cell tumor with secondary aneurysmal bone cyst of patella" and "PCL avulsion fixation in a child: a case report."
7. Invited as guest faculty to Second Arthroplasty Apollo Course Kolkata 2019 from 2nd August to 4th August 2019. Delivered two lectures titled "Bearing surfaces in THR" and "Is simultaneous bilateral TKR justified?"
8. Invited as guest faculty to 2nd Orthopaedic Surgeons Society of Andhra Pradesh mid CME (OSSAP mid CME) from 1st September to 2nd September 2019. Delivered a lecture titled "Current concepts in the management of Acromioclavicular dislocations."
9. Invited as guest faculty to North Zone Indian Orthopaedic Association (NZOA) annual conference from 14th February to 16th February 2020. Delivered two lectures on 'THR in dysplastic hip' and 'Spinopelvic fixation'. Chaired a session on Bone tumor.
10. Invited as guest faculty to CME on Breast Cancer Updates at Bhubaneswar on 26th August 2019 and presented as a panellist in the "Management of Bony lesions in Breast Cancer"
11. Invited as guest faculty to serve as panellist in Annual conference of Odisha Haematology Conference from 7th September to 8th September 2019 in the session "Bony involvement in POEM syndrome"

Dr. Mantu Jain

1. Participated in "Workshop on Effective Medical literature search" by Q-Med Foundation on 27th April 2019 at AIIMS Bhubaneswar
2. Attended the Association of Osteosynthesis Spine advanced level specimen course at Bangkok from 26th July to 28th July 2019 as a delegate.
3. Attended the Instructional Course in Spine Conference meet at Mangalore from 27th September to 29th September 2019 and presented a paper titled: Huge epidural abscess in a neonate.
4. Attended the Central Zone Orthopaedic Conference at Raipur from 12th October to 13th October 2019 and presented a paper titled: Standalone posterior approach for tuberculosis of dorso-lumbar spine.
5. Attended the Chhattisgarh Chapter Of Indian Orthopaedic Association Conference at Raipur from 18th January to 19th January 2020 and presented a paper titled: Modified Stoppa approach for acetabular fractures - Our Experience
6. Attended the Medical Education Conference and Workshop 2020 at Bhubaneswar from 23rd January to 25th January 2020 as a delegate.
7. Attended the Asia Pacific Spine Society in collaboration with Bombay Spine Society meet at Mumbai from 12th February to 15th February 2020 and presented a poster titled: Neglected Traumatic Facet Dislocation with Spodyloptosis of cervical spine with ASIA E.7.

Dr. Gurudip Das

1. Attended a Cadaveric & Live surgery workshop on "Minimally Invasive Spine Surgical (MISS) Techniques" conducted at Ramaiah advanced learning center, Bangalore from 19th April to 21st April 2020.
2. Attended Association of Osteosynthesis Spine "Advanced level specimen course- Degenerative spine diseases" at Cadaveric Research and Training Facility(CTRF) at AIIMS, New Delhi on 13th & 14th July 2019.
3. Attended "Association of Osteosynthesis Spine Faculty Education Program- 2019" at Kathmandu, Nepal from 21st September to 22nd September 2019. Nominated to become the youngest AO Spine faculty from the Asia pacific region in 2019 on completion of training.
4. Attended and organized the CME cum Workshop "Plaster application Techniques" at Dept of Orthopaedics, AIIMS Bhubaneswar on 16th November 2019.
5. Attended the Annual Conference of Odisha Orthopaedic Association 2020 (OOACON 2020) held at Bhubaneswar from 11th January to 12th January 2020 and presented a paper "Surgical planning in management of sagittal imbalance in ankylosing spondylitis".

RESEARCH**Funded projects:****Ongoing :**

1. Title of the project. "Randomized clinical trial to assess the effect of vitamin D supplementation on low back pain in patients with lumbar spondylolisthesis"
Name of the principal investigator: Dr. Gurudip Das
Funding agency: AIIMS Bhubaneswar
Duration: 1 year
start year: 2020
Funds: Rs. 3,90,000/-
IEC approval number: T/IM-F/19-20/20
2. Title of the project. "A Randomized, Double Blind, Multicentric, Placebo Controlled, Phase III Study Assessing The Efficacy And Safety Of Intra-Articular Administration Of Stempeucel (R) (Adult Human Bone Marrow Derived, Cultured, Pooled, Allogeneic Mesenchymal Stromal Cells) In Patients With Osteoarthritis Of Knee"
Name of the principal investigator: Dr. Sujit Kumar Tripathy
Funding agency: Stempeutics Research Pvt. Ltd.
3rd Floor, Manipal Hospitals, Whitefield Pvt. Ltd.
Duration, start year: 2.5 years, 2019
Funds: Rs. 92,400/subject
IEC approval number: T/EMF/Ortho/18/18
3. Title of the project. "A prospective active controlled, randomized double blind, multicentre, Phase III study to compare the safety and efficacy of Biosimilar Denosumab of Enzene Biosciences Ltd versus Innovator Denosumab in the treatment of Postmenopausal osteoporosis."
Name of the principal investigator: Dr. Sujit Kumar Tripathy
Funding agency: Alkem Laboratories Ltd, Senapati Bapat Marg, lower Parel, Mumbai-400013
Duration, start year: 2 years, 2019
Funds: Rs. 54,450/subject
IEC approval number: EMF/19/2018

Departmental projects:**Ongoing:**

1. Title of the project. Correlation between Coccydynia and spinopelvic parameters
Name of the principal investigator : Dr Gurudip Das
Funding agency: Non-funded
Duration, start year: 2 years, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho/19/48
2. Title of the project. Assessment of Limb Length Discrepancy in patients undergoing unilateral Total Knee Arthroplasty
Name of the principal investigator : Dr Sujit Kumar Tripathy
Funding agency: Non-funded
Duration, start year: 2 years, 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/43
3. Title of the project. Evaluation sleep pattern after Total knee arthroplasty
Name of the principal investigator: Dr. Sujit Kumar Tripathy
Funding agency: Non-funded
Duration, start year: 2 years, 2020
Funds: Nil
IEC approval number: IEC/AIIMS/BBSR/PG Thesis/2019-2020/91.
4. Title of the project. Assessment of sleep quality with trazodone in patients undergoing total hip arthroplasty (THA): A randomized control study
Name of the principal investigator : Dr Sujit Kumar Tripathy
Funding agency: Non-funded
Duration, start year: 2 years, 2020
Funds: Nil
IEC approval number: T/IM-NF/ Ortho/20/55

5. Title of the project: Change in hip biomechanics after intertrochanteric fracture fixation using intramedullary device and its impact on health related quality of life: a prospective cohort study
Name of the principal investigator: Dr Sujit Kumar Tripathy
Funding agency: Non-funded
Duration, start year: 2 years, 2020
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/ 2020-21/66
6. Title of the project: Histopathological changes in ruptured ACL
Name of the principal investigator : Dr Bishnu Prasad Patro.
Funding agency: Non-funded
Duration, start year: 2 years, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho/18/77.
7. Title of the project: A comparative evaluation of Prescription errors between handwritten and printed Out-Patient Prescriptions
Name of the principal investigator : Dr Bishnu Prasad Patro.
Funding agency: Non-funded
Duration, start year: 1 year, 2019
Funds: Nil
IEC approval number: T/IMF/P.S/Student/2019-20/1.
8. Title of the project: Transdermal patches of Buprenorphine for postoperative analgesia after total hip and knee arthroplasty surgeries
Name of the principal investigator : Dr Bishnu Prasad Patro.
Funding agency: Non-funded
Duration, start year: 2 years, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho/19/27.
9. Title of the project: Standing from cross legged sitting test: Does it help in diagnosis of atraumatic low back pain.
Name of the principal investigator : Dr Bishnu Prasad Patro.
Funding agency: Non-funded
Duration, start year: 2 years, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho /19/ 23.
10. Title of the project: Yoga for cervical spondylosis
Name of the principal investigator: Dr Mantu Jain
Funding agency: Non-funded
Duration, start year: 6 months, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho /19/ 61.
11. Title of the project: Validation of free hand technique of sub axial cervical pedicle screw insertion
Name of the principal investigator: Dr Mantu Jain
Funding agency: Non-funded
Duration, start year: 6 months, 2019
Funds: Nil
IEC approval number: T/IM-NF/Ortho /19/ 62.
12. Title of the project: Changes in Sagittal Spino-Pelvic Parameters and Low Back Pain after THA
Name of the principal investigator: Dr Mantu Jain
Funding agency: Non-funded
Duration- one and half year, start year: 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/ 2019-20/55
13. Title of the project: Effect of correction of flexion deformity of osteoarthritic knee by total knee arthroplasty on the sagittal alignment in Indian population-
Name of the principal investigator: Dr Mantu Jain
Funding agency: Non-funded
Duration- one year, start year: 2020
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/ 2019-20/94

14. Title of the project: Epidemiology of spinal injury presenting in emergency department of Eastern India.
 Name of the principal investigator : Dr Mantu Jain
 Funding agency: Non-funded
 Duration- retrospective data of one and year, start year: 2020
 Funds: Nil
 IEC approval number: T/IM-NF/Ortho /19/ 34.

Completed :

1. Title of the project. Response to zoledronic acid infusion in children with fibrous dysplasia
 Name of the principal investigator: Dr Sujit Kumar Tripathy
 Funding agency: Nonfunded
 Duration six months, start year: 2019
 Funds: Nil
 IEC approval number: T/IM-MF/Ortho-19/63
2. Title of the project. Subperiosteal Schwannomas: cause of unexplained knee pain.
 Name of the principal investigator : Dr Bishnu Prasad Patro.
 Funding agency: Non-funded
 Duration, start year: six Months, 2019
 Funds: Nil
 IEC approval number: T/IM-NF/Ortho/19/22.
3. Title of the project. Epidemiology of spinal injury presenting in emergency department of Eastern India.
 Name of the principal investigator: Dr Mantu Jain
 Funding agency: Non-funded
 Duration- six months, start year: 2019
 Funds: Nil
 IEC approval number: T/IM-NF/Ortho /19/ 34

PUBLICATIONS

1. Jain M, Sahu RN, Gantaguru A, Das SS, Tripathy SK, Pattnaik A. Postoperative Lumbar Pyogenic Spondylodiscitis: An Institutional Review. *J Neurosci Rural Pract.* 2019;10(3):511-518. PMID: 31595125
2. Jain M, Sahu RN, Behera S, Rana R, Tripathy SK, Pattnaik A. Standalone Instrumented Posterior Approach Used as Universal Approach for Tuberculosis Spondylodiscitis. *J Neurosci Rural Pract.* 2019;10(2):225-233. PMID: 31001009
3. Jain M, Tripathy PR, Mohanty CR. Post-total knee arthroplasty herpes zoster activation. *BMJ Case Rep.* 2019 5;12(4). PMID: 30954963
4. Mohanty CR, Jain M, Dash C, Behera SS. Postpartum Paraparesis Due to Aggressive Vertebral Hemangioma Causing Spinal Cord Compression Presenting for Emergency Cesarean Section. *J Obstet Gynaecol India.* 2019 ;69 (2):185-187. PMID: 30956475
5. Mohanty C, Sahoo Ak, Panda R, Jain M. Gluteal compartment syndrome- a rare complication of lithotomy position and continuous postoperative epidural analgesia, *J anesthesia Clin Pharmacol* 2019;35:403-4 PMID: 31543595
6. Jain M, Sahu N K, Behera S, et al. (August 23, 2019) Intra-tendinous Patellar Ganglion Cyst Maybe the Unusual Cause of Knee Pain: A Case Report. *Cureus* 11(8): e5467. PMID: 31641563
7. Sahu N K, Patnaik S, Nanda S N, et al. (August 27, 2019) Variables Determining the Postoperative Knee Range of Motion Following Cruciate-substituting Total Knee Replacement: A Prospective Study. *Cureus* 11(8): e5501. PMID: 31641563
8. Gaikwad M, Kujur B, Jain M, Das SS, Behera S. Complete Agenesis of Dorsal Wall of Sacral Canal: A Case Report. *Cureus.* 2019 Sep 21; 11(9): e5720. PMID: 31720188
9. Sahu N K, Patnaik S, Nanda S N, Jain M. Variables Determining the Postoperative Knee Range of Motion Following Cruciate-substituting Total Knee Replacement: A Prospective Study. *Cureus* 11(8): e5501. PMID: 31667036
10. Rao PB, Mandal I, Tripathy S, Bandyopadhyay D, Tripathy S, Singh N, Panda A. Preventive Epidural Analgesia in Bilateral Single-Stage Knee Arthroplasty: A Randomized Controlled Trial. *Pain Ther* 2020; 9(1):241-248. PMID: 31900815
11. Jain M, Tripathy PR, Manik R, Tripathy S, Behera B, Barman A. Short term effect of yoga asana - An adjunct therapy to conventional treatment in frozen shoulder. *J Ayurveda Integr Med.* 2020; 11(2): 101-105. PMID: 30878219
12. Jain M, Kumar P, Tripathy SK, Behera S, Rana R, Das S. Clinico-radiological Outcomes of Using Modified Stoppa Approach for Treating Acetabular Fractures: An Institutional Review. *Cureus* 2020;e7821 DOI: 10.7759/cureus PMID: 32467796

13. Tripathy SK, Rao B, Nanda S, Srinivasan A, Hota D. Safety and efficacy of Epsilon Aminocaproic Acid (EACA) as an antihaemorrhagic drug in bilateral one stage Total Knee Arthroplasty: a double blind randomized controlled trial. *The Knee* 2020; 27 (1): 229-234 PMID: 31882387
14. Tripathy SK, Das SS, Rana R, Jain M. Trochanteric osteotomy for safe surgical approach to bilateral hip dislocations with femoral head fractures. *J Clin Orthop Trauma*. 2020; 11(Suppl 4):S530-S533. doi:10.1016/j.jcot.2020.04.018 PMID: 32774024
15. Mukharjee S, Tripathy SK, Nayak C, Samal B, Rao B, Panda A. Single dose Intravenous Tranexamic acid may not be adequate to reduce blood loss and blood transfusion requirement in patients undergoing single stage bilateral total knee arthroplasty. *Acta Orthop Belg*. 2019; 85(3):364-372. PMID: 31677634
16. Ravi PK, Tewari J, Mishra PR, Tripathy SK, Nanda SN, Gantaguru A. Variations of Extensor pollicis brevis tendon in Indian population: A cadaveric study and review of literature. *J Clin Orthop Trauma* 2019;10(2):278-281 PMID: 30828193
17. Barman A, Mukherjee S, Sahoo J, Maiti R, Rao PB, Sinha MK, Sahoo D, Tripathy SK, Patro BK, Bag ND. Single intra-articular platelet-rich plasma versus corticosteroid injections in the treatment of adhesive capsulitis of the shoulder: a cohort study. *Am J Phys Med Rehabil*. 2019; 98(7):549-557 PMID: 30676339
18. Dhanakodi N, Thilak J, Varghese J, Menon KV, Varma HK & Tripathy SK. Ceramic Bone Graft Substitutes do not reduce donor-site morbidity in ACL reconstruction surgeries: a pilot study. *SICOT-J* 2019; 5: 14 PMID: 31084701
19. Nanda S, Agrawal K, Velagada S, Tripathy SK. Osteoid osteoma of distal fibula: a rare location and its management. *Indian J Nucl Med*. 2019; 34(2):143-146 PMID: 31040528
20. Tripathy SK, Doki S, Behera G, Sable M. Giant Cell Tumor with Secondary Aneurysmal Bone Cyst of the Patella: A Case Report. *Cureus*. 2019;11(10):e5819. Published 2019 Oct 1. doi:10.7759/cureus.5819 PMID: 31754554
21. Tripathy SK, Nanda S, Sable MK, Doki S, Velagada S. Solitary Sacral Osteochondroma Causing Postural Difficulty in a Young Female: A Case Report and a Review of the Literature. *Cureus*. 2019 Dec; 11(12): e6470. doi: 10.7759/cureus.6470 PMID: 32025397
22. Patro BP, Behera S, Das SS, Das G, Patra SK, Prabhat V. Estimation of Femoral Neck Anteversion in Adults: A Comparison Between Clinical Method, Radiography, and Computed Tomography at a Tertiary-care Center in Eastern India. *Cureus*. 2019;11(4):e4469 PMID: 31249747.
23. Rana R, Patra SK, Khuntia S, Jain M, Patro BP. Traumatic Posterior Dislocation of Hip with Ipsilateral Fracture of Shaft of Femur: Temporary Fixator-assisted Reduction and Final Fixation with Interlocking Nail. *Cureus*. 2019;11(8):e5488. PMID: 31656714

PATIENT CARE

1. Department caters all type of basic Orthopaedic surgeries besides specialized surgeries like joint replacement (total, uni, reverse, revision etc.), mega prosthesis for bone, malignancies, complex adult and paediatric spinal deformity (scoliosis and kyphosis), sports injury, complex multi-ligament injuries, acetabulum and pelvic fractures, complex and neglected fractures, complex spinal trauma, ECRT service for musculoskeletal tumours, cartilage preservation procedures, paediatric complex bony procedure for ectopia vesicae/ exstrophy bladder and bone bank related surgeries.
2. Patient education and preventive bone health.

AWARD, HONOURS AND SIGNIFICANT EVENTS

Dr Bishnu Prasad Patro

1. Selected as Vice president of "Odisha Arthroscopy Society".
2. Selected as organizing secretary for Odisha Arthroscopic Society conference 2020 by Odisha Arthroscopy Society.
3. Selected as executive member of Odisha Orthopaedic Association.
4. Core committee member of scientific session, Odisha Orthopaedic Association conference 2019.
5. Selected as member of Editorial Board of *Journal of Plastic and Aesthetic Surgery*.

Dr Sujit Kumar Tripathy

1. Selected as executive member of East Zone in Association of Osteosynthesis Pelvic Acetabular Surgeons.
2. Awarded as AAOS (American Academy of orthopaedic Surgeon) new emerging leader for the year 2020 and received award money of 3500 USD by wire transfer
3. Selected as Associate editor of *BMC Musculoskeletal disorders*, continued my role as Assistant editor of *Indian J Orthopaedics*, *Journal of minimally invasive orthopaedic surgery*

4. Joined assistant editor of Artificial Intelligence in Medical Imaging
5. Selected as AO Trauma International fellow for 2020
6. Selected as BIOS (British-Indian Orthopedic Society senior fellow 2020)
7. Felicitated by MLA Dham Nagar Mr. Bishnu Charan Sethy for my dedication to my work in the field of Orthopaedics in Bhadrak Loka Mahotsav on 3rd February 2020.

Dr Mantu Jain

1. Awarded Association of Osteosynthesis Spine Short Term Fellowship award in May 2019

Dr Gurudip Das

1. Subcommittee member of the ASSI (Association of spine surgeons of India) - elearnspine.org module.
2. Elected as Joint organizing secretary of "Annual Instructional Courses in Spine" (ICS) to be held at Puri, Odisha in September 2021.
3. Selected to be a member of the task force of "National Scoliosis School Screening Program" of ASSI (Association of spine surgeons of India) 2019-20.
4. Selected to be a member of the task force for "formulating guidelines during the COVID19 pandemic" of ASSI (Association of spine surgeons of India).
5. Selected as AO Spine faculty – Asia pacific and attended the AO Spine faculty education program (FEP) 2019 at Kathmandu, Nepal.
6. Selected for AO Spine National fellowship 2020 – in spine surgery at Indian spinal injuries centre, New Delhi (the fellowship has been postponed to 2021 in view of the ongoing pandemic)
7. Appeared and successfully cleared the Diploma in Society of Orthopaedic Surgery and Traumatology (SICOT) – Orthopedics exam 2019 held in Mumbai, India on 04th-5th September 2019.
8. Appeared and successfully cleared step 1 of Association of Osteosynthesis Spine Global Diploma Examination 2020 held on February 18th 2020.



CME on Plaster technique, AIIMS Bhubaneswar, Guest lecture By Dr Biswajit Sahu and Dr Tanmay Mohanty.



Dr Bishnu Prasad Patro, Faculty at OASCON 2019.



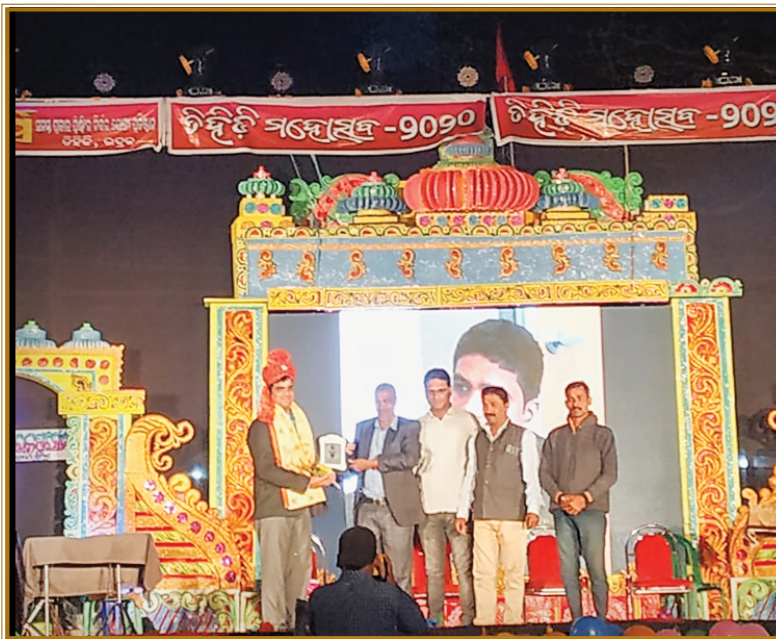
Dr Gurudip Das attended the prestigious AO Spine Asia Pacific faculty Education Program at Kathmandu, Nepal on 22nd September 2019



Sujit Kumar Tripathy was selected as British Indian orthopaedic Society Senior fellow 2020



Dr Sujit Kumar Tripathy received a memento from the organizer at North-zone Indian orthopaedic Association Annual Conference in February 2020.



Dr Sujit Kumar Tripathy was felicitated at Tihidi Mohatsav in February 2020



PATHOLOGY &
LABORATORY MEDICINE

PATHOLOGY & LABORATORY MEDICINE

FACULTY

Dr Susama Patra
Professor and Head

Dr Somanath Padhi
Associate Professor

Dr Mukund Sable
Associate Professor

Dr Amit Kumar Adhya
Additional Professor

Dr Gaurav Chhabra
Associate Professor

Dr Madhusmita Sethy
Associate Professor

Dr Pritinanda Mishra
Additional Professor

Dr Suvendu Purkait
Associate Professor

Dr Suvradeep Mitra
Assistant professor

HIGHLIGHTS

The Department of Pathology and Laboratory Medicine consist of nine faculty members, which are supported by five senior residents and five junior residents; and both permanent and contractual technical staff members. At present, three M.D. residents are taking admission per session. The department has been full-fledged doing in house histopathology and cytopathology (since 2014), and hematopathology/clinical pathology services (since 2016). The department, in addition to routine surgical pathology, cytopathology, and routine hematology/clinical pathology services, also provides specialized laboratory services in nephropathology, hepatopathology, GI pathology, neuropathology including nerve and muscle biopsy studies, pathological autopsies, immunofluorescence studies, lymph node and bone marrow studies, HLA-B27 and leukemia immunophenotyping by flow cytometry, coagulation studies including factor assays, thrombotic work ups such as lupus anticoagulant, antithrombin, protein S, protein C assay. These services are an integral part of the outdoor & indoor patient services provided by the institute.

EDUCATION

The department offers MD course in Pathology which was started in 2016; and two MD residents have successfully completed their MD thesis programme by 2020. Currently three residents per session are undergoing training in MD Pathology. Since 2012, eight batches of MBBS students have successfully passed the 2nd Professional examinations. The faculty and residents are actively involved in undergraduate and post graduate teaching. Integrated teaching, case-based learning, student seminars and symposia, tutorials, incorporation of OSPE charts; and regular internal assessments have been the mainstay in learning and training. More than 150 museum specimens have been set up to facilitate undergraduate training. In addition to routine intradepartmental academic activities (slide and topic seminars; and journal clubs), interdepartmental clinicopathological conferences (CPCs) with several clinical departments such as neurosurgery, gastroenterology Oncology/ Hematology, pulmonary medicine, endocrinology, etc); CPCs with PGI, Chandigarh on every Wednesday morning.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Susama Patra

1. Attended the HEADS -UP -International update in Head and Neck Pathology 2020 at TMC Kolkata on 16th-19th January 2020.
2. Invited as a faculty on "3rd ASOMACON 2019", which was conducted from 16th to 17th November 2019, at AIIMS, Bhubaneswar & chaired a session on "Diagnostic utility of FNAC Vs core needle biopsy in breast cancer"
3. Attended & presented a case of Retroperitoneal fibrosis in the slide seminar, International CME on AAPUD 2019-UPDATE OF GIT and Pancreas, Kochi between 13th to 14th July 2019.
4. Invited as a speaker for CPC in Purvanchal Gastrocon, Indian Society of Gastroenterology, Sept. 2019 at Bhubaneswar.

Dr Amit Kumar Adhya

1. Attended as faculty at the 47th Annual Conference of IAPM Odisha Chapter, "ODISHA APCON 2019" on 15th September 2019 held at Bolangir
2. Attended as faculty at Cytocon 2019 held at PGIMER, Chandigarh between 7th to 10th November 2019.
3. Attended the HEADS -UP -International update in Head and Neck Pathology 2020 at TMC Kolkata on 16th-19th January 2020.

Dr Pritinanda Mishra

1. Invited as faculty to conduct the pathology quiz session for the post graduate students at the 47th Annual Conference of IAPM Odisha Chapter, "ODISHA APCON 2019" on 15th September 2019 held at Bolangir.
2. Was part of the organizing team of "3rd ASOMACON 2019", which was conducted from 16th to 17th November 2019, at AIIMS, Bhubaneswar and delivered a talk on "fixation of tissues/margins determination and receptor status on breast specimen "as an invited faculty.

3. Attended the HEADS -UP -International update in Head and Neck Pathology 2020 at TMC Kolkata on 16th to 19th January 2020

Dr Somanath Padhi

1. Attended as a delegate at HOPE ASIA (Highlights of the Past European Society of Hematology) held in the August 2019 at Kolkata.
2. Attended as a faculty at Hematocon (annual Conference of the Indian Association of Hematology and Blood Transfusion) 7th to 10th November 2019, New Delhi .
3. Attended as a panellist in the slide seminar on Monoclonal Gammopathy of Renal Significance (MGRS) at 3rd Indian Myeloma Congress, NIMS, Hyderabad, India between 10th to 12th January 2020.
4. Attended the MECON 2020 held at AIIMS, Bhubaneswar, January 23rd to 25th 2020 as part of Organizing team.
5. Attended Odisha haematology conference at IMS, SUM Hospital as a moderator-cum-faculty, 15th September 2019.

Dr Gaurav Chhabra

1. Underwent short term training in Immunopathology from 6th to 20th July 2019 at PGIMER, Chandigarh. During the training he was trained in various aspects of diagnostic immunopathology particularly related to Autoimmune diagnostics.
2. Attended Odisha hematology conference at IMS, SUM Hospital as a moderator-cum-faculty, 15th September, 2019.
3. Attended as a faculty at Hematocon (annual Conference of the Indian Association of Hematology and Blood Transfusion) 7th to 10th November 2019, New Delhi.

Dr Suvendu Purkait

1. Attended MECON 2020 held at AIIMS, Bhubaneswar from 23rd to 25th January 2020.
2. Attended National conference of Indian Society Of Renal And Transplant Pathology (IS RTP) on 17th October 2019, SGPGI, Lucknow.
3. Attended as faculty at the 47th Annual Conference of IAPM Odisha Chapter, "Odisha APCON 2019" on 15th September 2019 held at Bolangir.

Dr Mukund Sable

1. Attended MECON 2020 held at AIIMS, Bhubaneswar as part of Organizing team from 23rd to 5th January 2020.

Dr Madhusmita Sethy, Associate Professor

1. Attended MECON 2020 held at AIIMS, Bhubaneswar between 23rd to 25th January 2020.

Dr Suvradeep Mitra

1. Attended National conference of Indian Society of Renal and Transplant Pathology (IS RTP) between 11th October to 13th October 2019 at SGPGI, Lucknow.
2. Attended as faculty at Cytocon 2019, between 7th to 10th November 2019 at PGIMER, Chandigarh.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project. "Investigation of clinicopathological impact of cholesterol metabolism in glioblastomas and identification of putative actionable target."
Name of the principal investigator: Dr Suvendu Purkait
Funding agency: DST SERB Duration, Start year: 3 years, 2018 Funds: Rs. 4810520/-
IEC approval number: T/EMF/Path/17 /03
2. Title of the project. Characterization of Breast Microbiome and Immunological responses in Breast Cancer
Name of the principal investigator: Dr Mukund Sable
Funding agency: DST SERB, Funds: Rs. 4859000/-
IEC approval number: T/EMF/Patho/18/43
3. Title of the project. Investigation of clinicopathological impact of cholesterol metabolism in glioblastomas and identification of putative actionable target
Name of the principal investigator: Dr Suvendu Purkait
Funding agency: DST/SERB, Duration: 3 years start year: 2018 Funds: Rs 48,10,520/-
IEC approval number: T/IM-F/19-20/21

4. Title of the project: Expression of DCDC2, acetylated alpha-tubulin and MMP7 in biliary atresia
Name of the principal investigator: Dr Suvradeep Mitra
Funding agency: AIIMS, Duration: One year start year: 2019 Funds: Rs. 3,70,000/-
IEC approval number: T/IM-F/18-19/29
5. Title of the project: Hepatic histomorphology in choledochal cyst in and role of CD56 (STS project)
Name of the principal investigator: Dr Suvradeep Mitra
Funding agency: AIIMS, Duration: Six months start year: 2019 Funds: Rs. Non-funded
IEC approval number: IEC/AIIMS BBSR/STS/2019-20/06
6. Title of the project: Analysis of morphological features predictive of malignancy in serous effusions.
Name of the principal investigator: Dr Madhusmita Sethy
Funding agency: AIIMS, Bhubaneswar. Duration- One year., start year: 2019 Funds: Rs3,85000/-
IEC approval number: IMF/33/2018

Completed:

1. Title of the project: IgG4-RD in multiorgan, lymphoproliferative lesions.
Name of the principal investigator: Dr Pritinanda Mishra
Funding agency: AIIMS, BBSR Duration: 1 year; start year: 2017; Funds: Rs.2, 75, 000/-
IEC approval number: T/IMF/07/2016.
2. Title of the project: Cyclin D1 and multi drug resistant protein 1 (MDR-1) expression in patients with newly diagnosed plasma cell myeloma: correlation with clinico hematological characteristics.
Name of the principal investigator: Dr Somanath Padhi
Funding agency: AIIMS, BBSR Duration: 1 year; start year: 2018; Funds: Rs.1, 23, 200/-
IEC approval number: T/IM-F/17-18/8.
3. Title of the project. Epigenetic alterations in Helicobacter pylori associated- gastritis and gastric carcinoma
Name of the principal investigator: Dr Suvendu Purkait
Funding agency: DST/SERB, Duration: 1 years start year: 2018 Funds: Rs 3,75,000/-
IEC approval number: T/IM-F/17-16/9
4. Title of the project: Circulating microparticles in breast carcinoma and their possible clinico-pathological role-A pilot study
Name of the principal investigator: Dr Gaurav Chhabra
Funding agency: AIIMS, BBSR, Duration: 18 months, start year: 2018 Funds: Rs. 400000/-;
IEC approval number: T/IMF/17-18/33.
5. Title of the project: Analysis of immuno-expression of androgen receptor and transforming growth factor B2 in breast carcinoma.
Name of the principal investigator: Dr Mukund N Sable
Funding agency: AIIMS, BBSR, Duration: 18 months, start year: 2018 Funds: Rs. 355000/-;
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/36.
6. Title of the project: Epigenetic alterations in Helicobacter pylori associated gastritis and gastric carcinoma
Name of the principal investigator: Dr Suvendu Purkait
Funding agency: AIIMS, BBSR, Duration: 18 months, start year: 2019 Funds: Rs. 375000/-;
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/36.

Departmental**Ongoing:**

1. Title of the project: Role of T- Regulatory cells in ENL.
Name of the principal investigator: Dr Madhusmita Sethy
Funding agency: NA, Duration- 2 years start year:2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/41
2. Title of the project: Assessment of the clinicopathological implications of tumor infiltrating T lymphocyte cells in oral squamous cell carcinoma
Name of the principal investigator: Dr Amit K Adhya
Funding agency: NA, Duration- 2 years start year:2020.
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/88
3. Title of the project: Characterization of clinicohistopathological, immunohistochemical and molecular profile of Ewing family of tumor.
Name of the principal investigator: Dr Mukund N Sable
Funding agency: NA, Duration- 2 years start year:2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/43

4. Title of the project: Flow cytometric aberrant immuno- phenotypic expression and its clinico-hematological, cytogenetics and prognostic correlation in B-cell Acute Lymphoblastic Leukemia (B-ALL).
Name of the principal investigator: Dr Gaurav Chhabra
Funding agency: NA, Duration- 2 years start year:2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/44
5. Title of the project: Genetic Mutation Analysis and its correlation with Hepatic iron overload in patients of Beta Thalassemia Major & Intermedia.
Name of the principal investigator: Dr Gaurav Chhabra
Funding agency: NA, Duration- 2 years start year:2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/108
6. Title of the project: Cholesterol transporters in glioblastomas: A clinicopathological study.
Name of the principal investigator: Dr Suvendu Purkait
Funding agency: NA, Duration- 2 years start year:2019.
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/24
7. Title of the project: Characterization of the immune microenvironment in colorectal carcinoma and its clinicopathological significance
Name of the principal investigator: Dr Susama Patra
Funding agency: NA, Duration- 2 years start year:2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/92.

Completed:

1. Title of the project: Cyclooxygenase 2 (COX 2) expression in newly diagnosed plasma cell myeloma: correlation with clinicopathological features.
Name of the principal investigator: Dr Somanath Padhi
Funding agency: Non Funded, Duration: 18 months, start year: 2018
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2017-18/36.
2. Title of the project: Immunohistochemical evaluation of mismatch repair proteins in urothelial carcinoma of urinary bladder and its clinico-pathological correlation.
Name of the principal investigator: Dr Amit K Adhya
Funding agency: Non Funded Duration: 18 months, start year: 2018
IEC approval number: IEC/AIIMS BBSR/ PG Thesis/2018-19/11

PUBLICATIONS

1. Adhya AK, Kar M, Mohanty R. Touch imprint cytology: a rapid and accurate method for diagnosis of oral cancer. *Acta Cytol.* 2019 May 23;1-6. PMID: 31121588
2. Mitra S, Dhooria S, Agarwal R, Das A, Garg M, Bal A. Histopathological spectrum of hypersensitivity pneumonitis with clinico-radiological correlation. *APMIS.* 2019; 127:616-26. PMID: 31273840
3. Samal S, Manohar DB, Adhya AK, Sinha M, Mitra S. Cutaneous epithelioid angiomatous nodule of breast. *Indian Dermatol Online J* 2019; 10:463-466.PMC6615379.-
4. Adhya AK, Mohanty R. Triple synchronous tumour of female genital tract: cervical squamous cell carcinoma, right ovarian dermoid cyst and left ovarian benign Brenner tumour. *BMJ Case Rep.* 2019;12(7). PMID: 31331931
5. Sahu N, Adhya AK. Platelet phagocytosis in the bone marrow causing thrombocytopenia in extrapulmonary tuberculosis *BMJ Case Rep* 2019;12:e232172. PMID: 31570364
6. Behera G, Biswas D, Parida PK, Mohamedali R, Adhya AK, Mitra S. Fine needle aspiration cytology of an adult submandibular cystic choristoma. *Cytopathology* 2019; 31(2):174-176. PMID: 31675141
7. Jha S, Mitra S, Baisakh MR, Adhya AK. Telangiectatic squamous cell carcinoma of uterine cervix: a previously undescribed variant of squamous cell carcinoma. *Int J Gynecol Pathol* 2020;39(6):595-598. PMID: 31651557
8. Purkait S, Bansal S, Malgulwar PB. BRAF V600E-mutated central nervous system tumor with divergent morphological feature - Anaplastic pleomorphic xanthoastrocytoma-like and astroblastoma-like. *Neuropathology* 2019 39(1):64-67. PMID: 30557911
9. Pattnaik SA, Mitra S, Mishra TS, Purkait S, Kumar P, Naik S. A Vasculitis-associated neuromuscular and vascular hamartoma presenting as a fatal form of abdominal cocoon. *Int J Surg Pathol.* 2019 Feb;27(1):108-115. PMID: 29992844
10. Sethi P, Purkait S. Mature cystic teratoma of douglas' pouch: a rare entity *Cureus* 2019 11(8):e5515. PMC6819077

11. Patra S, Ayyanar P, Padhi S, Purkait S, Muduly D, Samal SC. Epithelioid malignant peripheral nerve sheath tumor (Epithelioid-MPNST) presenting as bleeding rectal polyp: a case report with systematic literature review. *Am J Case Rep* 2019; 20:1175-1181. PMID: 31399553
12. Sable MN, Chhabra G, Mishra S. Exflagellation of Plasmodium vivax in peripheral blood: An uncommon finding and its significance. *J Lab Physicians* 2019; 11:161-163. PMC6543941
13. Balasubiramaniyan V, Sultania M, Sable M, Muduly D, Kar M. Warthin-like mucoepidermoid carcinoma of the parotid gland: a diagnostic and therapeutic dilemma. *Autopsy Case Rep* 2019; (4):e2019122. PMC6771442
14. Sasmal PK, Sharma R, Patra S, Mishra TS, Mishra P, Rout B. Malignant extra- gastrointestinal stromal tumor of the mesentery. *Surg J* 2019; 5:e65–e68. PMID: 31380468.
15. Mitra S, Purkait S, Kundoo A, Behera G, Patra S. Diagnostic challenge in a metastatic pulmonary adenocarcinoma with neuroendocrine differentiation to breast and skin. *Cytopathology*. 2019;30(5):541-544. PMID: 30980438
16. Muktesh G, Mitra S, Sinha SK, Dhaka N, Saikia UN, Sarma P, Gulati A, Samanta J, Kochhar R. Acute pancreatitis caused by isolated pancreatic metastasis from uterine choriocarcinoma. *Int J Gynecol Pathol*. 2019; 38:430-34. PMID: 30028356
17. Jaffer M, Mitra S, Mandal S, Das M, Mahlingam R, Nayak P. Cystadenoma of the Seminal vesicle: A case report of rare seminal vesicle tumor and Review of literature. *Urology*. 2019;123:e11-4 PMID: 30599918.
18. Mitra S, Joshi R, Gupta K, Mahajan JK. Not all pediatric bladder masses are rhabdomyosarcoma: report of a rare case with review of the literature. *J Pediatr Hematol Oncol*. 2019;41:e530-3 PMID: 30299349
19. Mitra S, Ray S, Kaur G, Kumar P, Kaur H, Saikia U. Neonatal acute liver failure associated with angioinvasive hepatic zygomycosis. *Fetal Pediatr Pathol*. 2019;38:167-74. PMID: 30595071
20. Sultania M, Muduly D, Jha S, Kar M, Mitra S*. Primary colonic liposarcomatosis: report of a case with review of literature. *Autopsy Case Rep*. 2019; 9:e2018056. PMC6394358
21. Kaur G, Mitra S, Dey P. Fine-needle aspiration cytology of an adenoid cystic carcinoma of trachea: Common tumor in uncommon location. *Diagn Cytopathol*. 2019; 47:808-12. PMID: 30953393
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29. Padhi S, Mishra S, Chhabra G, Panigrahi A. Cannibalistic hemophagocytosis in acute myeloid leukemia with trisomy 9. *Ind J Hematol Blood Transf* 2020; 36:424–428. PMID: 32425407
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31. Behera G, Chhabra G, Sable MN, Panigrahi A, Shetty D. Multinucleated lymphocytes in chronic lymphocytic leukemia-A rare morphological finding with review. *Int J Lab Hematol*. 2020; 42(4):e170-e172. PMID: 32347621
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33. Pradhan P, Samal S, Sable M. Basal cell carcinoma arising over lesion of discoid lupus erythematosus: a rare occurrence. *Lupus*. 2020; 29(2):210-212. PMID: 31847697
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List of chapters in books:

1. Padhi S, Sarangi R, Patra S, Samal SC. Hepatic involvement in hemophagocytic lymphohistiocytosis. In: Tripodi V (Editor). IntechOpen-Hepatobiliary diseases. ISBN 978-1-83880-170-0 (DOI: <http://dx.doi.org/10.5772/intechopen.90238>).
2. Padhi S, Patra S. Dyskeratosis congenita. In: Liu D (Editor). Handbook of tumor syndromes. Taylor and Francis CRC Press (In press), 2018. ISBN: 9780815393801.

PATIENT CARE / HOSPITAL SERVICES

- **Surgical pathology/Histopathology:**
 - o 7522 cases (including small biopsies, large/resected specimen/ frozen section).
 - o Special stains performed in 5001 cases for patient diagnosis.
 - o 9572 immunohistochemical markers were used in 1957 cases for diagnosis.
- **Immunofluorescence facilities:** 152 cases (kidney + skin biopsies)
- **Immunofluorescent markers used:** 846
- **Frozen section:** 155 cases
- **Autopsies:**
 - Pathological autopsies – 24
 - Autopsies with association of Forensic Medicine department: 32
- **Cytopathology:**
 - Total 5423 cases including Fine Needle Aspiration (blinded and imaging guided), body fluid cytology, cell block and immunocytochemistry.
- **Hematopathology/Clinical Pathology:**
 - o Flow cytometry services used for the diagnosis of 56 cases of acute leukemia.
 - o Bone marrow procedures performed and reported in 650 cases (aspiration and biopsies both).
 - o 132077 tests of routine hematology (including routine CBCs, coagulation studies, Hb-HPLC, HLA-B27 workup)
 - o Clinical pathology services performed in 13688 cases.

Started New Diagnostic Services in Hematology & Clinical Pathology Section

1. Thrombotic panel (Lupus Anticoagulant, Antithrombin, Protein S, Protein C)
2. HLA-B27 Analysis by Flow cytometry
3. Immunophenotyping for Acute Leukemia
4. Coagulation Factor Assay



PEDIATRICS

PEDIATRICS

FACULTY

Dr. Joseph John
Additional Professor

Dr. Samarendra Mahapatro
Additional Professor

Dr. Amit Kumar Satapathy
Associate Professor

Dr. Bhagirathi Dwibedi
Additional Professor

Dr. Rashmi Ranjan Das
Additional Professor

HIGHLIGHTS

A total number of 2089 of patients were admitted and treated in the inpatient department and 23,183 patients were seen in the outpatient department. Pediatric ICU bed strength was increased to 5 from 2 and was shifted to the new PICU area on the 1st floor, Main hospital block and catered to about 200 sick children. Four ventilators, two ECG machines and two ambulatory blood pressure monitoring devices were installed in the department. The department is involved in 10 funded studies, 6 non-funded studies apart from 5 PG thesis. Pediatric special clinics on Nephrology, Hepatology & Respiratory disorders provided expert service to patients of Odisha and the nearby states. Need based research with focus on applied and operational research in the areas of important vaccine preventable diseases (Measles, Rubella, Rotavirus) antimicrobial resistance, childhood asthma, pneumonia, autoimmune encephalitis, growth, nutrition, oral malignancy in adolescence, reflux nephropathy etc. were conducted that would supplement the current clinical management of patients as well as public health policy. Extramural research grant of more than Rupees 1.5 Crore were generated through funding from UNDP, ICMR, InClen India, DHR Govt. of India etc. The departmental faculty provided advisory/expert support as members of scientific academic and ethics committees of different institutes of repute (SOA University, ICMR-RMRC, KIIT University, VIMSAR, SCB Medical College etc.) and professional bodies (Indian Academy of Pediatrics, Lymphology Society of India) and Government. policy/program (NHM, ICDS, MoHFW, Odisha). Faculty contribution to academic, research, administration and medical education department of our parent institute (AIIMS, Bhubaneswar) were also significant as members of MEU, IRC, pharmacovigilance & fire safety committees.

CONFERENCES / CME / WORKSHOP ATTENDED & LECTURE DELIVERED / PAPER PRESENTED

Dr. Joseph John

1. Conducted the College round of the 32nd Indian Academy of Pediatrics Quiz (IAP Quiz) for undergraduates in July 2019 at AIIMS Bhubaneswar
2. Participated in Point of Care Quality Improvement Workshop (POCQI) 11th to 13th November, 2019 at AIIMS Delhi
3. Participated in Expert Group Meeting for discussion and finalization of strategies for second phase action plan of SAMMPurNA 2020 – 2025 from 28th to 29th November 2019 held at Hotel Ashok Kalinga, Bhubaneswar
4. Co-organiser for BLS (Basic Life Support) course for Nurses on 26th November 2019 at AIIMS, Bhubaneswar,
5. Participated as a resource person at the 7th National Conference on Pediatric Education (NCPE) from 3rd to 5th November, 2019, held at AIIMS Jodhpur and delivered lecture on Pedagogy to Andragogy
6. Participated as a resource person in the training programme for nurses on “Management of Substance Use Disorder” from 2nd Feb 2020 to 8th Feb 2020 held at the College of Nursing, AIIMS, Bhubaneswar and spoke on “The impact of substance use in children”.
7. Participated as Faculty in 8th Annual Conference of the Indian Association of Neonatal Nurses (IANN) “Neonatal Nurses: Protect, Support and Save Lives” held at AIIMS, Bhubaneswar from 09 Feb 2020 to 11 Feb 2020 and spoke on “Prevention of nosocomial infections in neonates”.

Dr. Bhagirathi Dwibedi

1. Attended LYMPHCON 2019 at Annamalai University, Chennai, Tamilnadu 2019 and presented paper on Future Prospects of chemotherapy for W. bancrofti infection and control of lymphatic disease, also chaired a session on Lymphedema management
2. Attended as Faculty at 26th East Zone PEDICON (Annual Conference of Indian Academy of Pediatrics) and 40th Odisha state PEDICON from 16th to 17th November -2019, Puri, Odisha
3. Attended as faculty in Bioethics workshop in November 2019 at SCB Medical College, Cuttack and delivered lecture on GCP (Good research and Clinical Practice) and ethical issues in research involving children
4. Attended as faculty in Workshop and CME on Lymphedema in January 2019, AIIMS, Bhubaneswar. And delivered lecture on Extent of problem of lymphedema in Odisha and current management option

Dr. Samarendra Mahapatro

1. Attended as a faculty in Research Methodology workshop organized by Odisha state IAP for the faculties and postgraduate students of Odisha on 6th & 7th April, 2019 at IMA House, Bhubaneswar.
2. Attended as a delegate the protocol finalization workshop of "Diagnosis of pneumonia and respiratory illness using digital stethoscope and algorithm in children and adults" on 14th April, 2019 at New Delhi.
3. Attended as a delegate the Project training workshop titled "Harmonized One health Trans-species and Community Surveillance for Tackling Antibacterial Resistance in India" on 7th & 8th Sept, 2019 at IMS-SUM Hospital, Bhubaneswar.
4. Attended as a delegate the 7th National Conference on Pediatric Education, from 3rd to 5th November 2019 at AIIMS, Jodhpur.
5. Attended as a delegate in Workshop to train medical professionals for Medico legal management of Child Sexual Abuse, based on the Government Guidelines on 9th & 10th November 2019 at Kolkata.
6. Attended as a faculty in IAP ALS (Advanced Life Support) Provider Course on 23rd & 24th November, 2019 at VSS Medical College, Burla.
7. Attended as an expert in "Expert group meeting on 2nd phase action plan of SAMMPURNA" by Directorate of family welfare, Odisha on 28th to 29th Nov, 2019 at Bhubaneswar
8. Attended as a delegate in MECON-2020 (Medical Education Conference) on 24th & 25th January 2020 at AIIMS, Bhubaneswar on.
9. Attended as a faculty in Neonatal Resuscitation Programme for the nursing faculties in 8th Annual conference of Indian association of Neonatal Nurses (IANN) on 9th February 2020 at AIIMS, Bhubaneswar.
10. Attended as a faculty in Neonatal Resuscitation Programme for the nursing staffs of Odisha on 23rd February 2020 at Sum Hospital, Bhubaneswar.
11. Attended as a faculty in Neonatal Resuscitation Programme for the nursing staff and doctors of Sundergarh district of Orissa on 1st March 2020 at Rourkela.

Dr. Rashmi Ranjan Das

1. Received first prize in the award paper presentation in the consultant category in RESPICON 2019, Pune
2. Awarded International Travel Scholarship (ITS) by Science and Engineering Research Board (SERB), Govt of India to attend 11th World Congress of the World Society for Pediatric Infectious Diseases from 5th to 8th November, 2019 in Manila, Philippines and presented Burden of RSV acute respiratory infection (ARI) in children from Indian subcontinent: a systematic review and performance of GeneXpert, LAMP, and MGIT against the composite reference standard for diagnosis of childhood intrathoracic TB
3. Awarded International Travel Bursary by British Paediatric Respiratory Society to attend 6th King's John Price Paediatric Respiratory Conference from 31st March 2019 to 2nd April 2020 London, UK.
4. Attended 31st Annual Conference of IAP Respiratory Chapter from 11th to 13th October 2019 at Pune.
5. Attended 26th East zone Pedicon from 16th to 17th November 2019, Puri
6. Attended 57th National Conference of the Indian Academy of Pediatrics, 9th to 12th January 2020, Indore.
7. Attended as faculty in Indian Academy of Allergy Congress, 14th and 15th February 2020, Chandigarh.
8. Attended as faculty in the annual CME of Jagannath hospital on 28th April 2019, Bhubaneswar and delivered talk on "Bronchiolitis: Past, Present, and Future",
9. Attended as faculty in in the Midterm CME of East Zone IAP and Jharkhand IAP on 26th May 2019 held at Deoghar, Jharkhand and delivered talk on "Role of Heated Humified Nasal Canula in Respiratory Support in Children"
10. Attended as faculty in the 26th East Zone and 40th Odisha State PEDICON on 16th & 17th November 2019, Puri as a panelist of the topic "Under 5 Wheeze what is new?"
11. Attended as faculty in the pre-conference workshop "Childhood wheezing – unravelling the riddle" of the 26th East Zone and 40th Odisha State PEDICON on 15th November 2019, Bhubaneswar delivered talk on "Interesting case scenarios in childhood wheezing".
12. Attended as faculty in conducting various PALS (Pediatric Advanced Life Support) courses in Cuttack and Bhubaneswar for post-graduate and nursing students in November 2019.
13. Participated as faculty in 57th PEDICON 2020 on 10th January 2020, Indore as a panelist on "Chronic cough in children"
14. Participated as faculty in Indian Academy of Allergy Congress (IAACON) 2020 on 14th February 2020, Chandigarh and delivered talk on "The role of Vitamin D in Asthma and Allergy"

15. Attended Respicon-2019 from 11th to 13th October 2019 at Pune and presented Serum vitamin D levels in childhood asthma: a systematic review and meta-analysis
16. Attended PEDICON 2020 from 9th to 12th January 2020 at Indore, and presented Prevalence of metabolic syndrome in overweight and obese school going children
17. Participated as a resource person at the 7th National Conference on Pediatric Education (NCPE) from 3rd to 5th November, 2019, held at AIIMS Jodhpur

Dr. Amit Kumar Satapathy

1. Attended as a faculty the Research Methodology Workshop organized by Orissa state IAP for the faculty and postgraduate students of Orissa on 6th & 7th April, 2019 at IMA House, Bhubaneswar.
2. Attended as facilitator in workshop on Augmentation of Teaching Skill for Senior Residents on 5th and 6th July 2019 at AIIMS Bhubaneswar
3. Conducted the Foundation Course of the first MBBS students (Batch 2019-20) on Social responsibility of doctor from 22/8/2019 to 26/8/2019 at AIIMS Bhubaneswar
4. Attended the 18th Congress of International Pediatric Nephrology Association 17th to 21st October at Venice, Italy
5. Attended as delegate in the International Clinical Research Ethics Workshop from 15th to 16th November 2019 at KIMS, Bhubaneswar
6. Organized and attended MECON 2020, held on 24th & 25th January 2020, at AIIMS, Bhubaneswar as a member of MEU

RESEARCH

Funded Extramural Projects

Ongoing:

1. Title of the project: Protective antibody response following double dose measles vaccination and factors for non-response among tribal children in remote area of Odisha.
Name of the principal investigator: Dr. Bhagirathi Dwibedi
Funding agency: ICMR, New Delhi
Duration, start year: 2 years 6 months, March 2019
Funds: Rs 49,97,800/-
IEC approval number : T/EMF/Pedia/18/02
2. Title of the project: Congenital Rubella Syndrome Surveillance in India (National Institute of Epidemiology, Chennai, National Institute of Virology, Pune)
Name of the principal investigator: Dr. Bhagirathi Dwibedi
Funding agency: UNDP
Duration, start year : 3 years, March 2019
Funds: Rs 35,50,000/-
IEC approval number: T/EMF/Pedia/18/17
3. Title of the project: Study of neuronal autoantibody associated/coexisting with acute viral encephalitis in children, its clinical manifestation and outcome
Name of the principal investigator: Dr. Bhagirathi Dwibedi
Nodal site: AIIMS, Bhubaneswar
Funding agency: ICMR, New Delhi
Funds: 120,00,000/-
Duration, start year : 3 years, 2019
IEC approval number : T/EMF/Ped/18/38
4. Title of the project: Effect of pre-conceptional multiple micro nutrient versus iron folic acid supplementation on maternal and birth outcome among women from developing countries: A systematic review
Name of the principal investigator: Dr. Rashmi Ranjan Das
Funding agency: ICMR
Funds: 9,50,000/-
Duration, start year : 1 year, 2020
IEC approval number: T/EMF/Ped/19/47

Completed:

1. Title of the project: Effect of BMI on Pulmonary function in children of age group 6-14 years
Name of the principal investigator: Dr Amit Kumar Satapathy
Funding agency: AIIMS, Bhubaneswar
Duration, start year :1 year, December 2017

Funds: Rs 70,000/-
IEC approval number: T/IM-F/17-18/34

Departmental Projects:

Ongoing:

1. Title of the project: Comparative study between azithromycin and doxycycline for treatment of scrub typhus in paediatric population: A double blinded randomized controlled trial.
Name of the principal investigator: Dr. Joseph John
Funding agency: Nil
Duration, start year: January 2019
IEC approval number: IEC/AIIMSBBBSR/PG Thesis/ 2018-19/44
2. Title of the project: Comparison of oral triclofos, intranasal midazolam and dexmedetomidine for sedation in children undergoing magnetic resonance imaging: An open label randomized controlled trial
Name of the principal investigator: Dr. Bhagirathi Dwibedi
Funding agency: Nil
Duration, start year: January 2019
IEC approval number: IEC/AIIMSBBBSR/PG Thesis/2018-19/40
3. Title of the project: Single breath count compared to spirometry in the diagnosis and monitoring of treatment response in acute exacerbation of childhood asthma
Name of the principal investigator: Dr. Rashmi Ranjan Das
Funding agency: Nil
Duration, start year: 2 years, January 2019
IEC approval number : IEC/AIIMSBBBSR/PG Thesis/2019-20/35
4. Title of the project: To determine arterial stiffness in children with idiopathic nephrotic syndrome compared to apparently healthy children: A cross sectional study
Name of the principal investigator: Dr. Amit Kumar Satapathy
Funding agency: Nil
Duration, start year: 2 years, June 2019
IEC approval number: IEC/AIIMSBBBSR/PG Thesis/2019-20/103
5. Title of the project: Fibroscan to assess fibrotic changes in liver in overweight and obese children: a cross-sectional study
Name of the principal investigator: Dr Samarendra Mahapatro
Funding agency: Nil
Duration, start year: 2 years, June 2019
IEC approval number: IEC/AIIMSBBBSR/PG Thesis/2019-20/104
6. Title of the project: Association and prevalence of musculoskeletal pain with backpack weight in school going children
Name of the principal investigator : Dr. Joseph John
Funding agency: Non funded
Duration, start year: 1 year, 2019
IEC approval number T/IM-NF/Pedia/19/28
7. Title of the project: Awareness about the Protection of Children from Sexual Offences Act among Health Care Professionals and their role in care of Child Sexual Abuse victims
Name of the principal investigator: Dr. Joseph John
Funding agency: Non funded
Duration, start year: 1 year, 2019
IEC approval number T/IM-NF/Pedia/19/29
8. Title of the project: Time of Initiation of Breastfeeding in babies in Odisha
Name of the principal investigator: Dr. Joseph John
Funding agency : ICMR
Duration, start year: 1 year, 2019
IEC approval number IEC/AIIMS BBSR/STS_UG/2018-19/05

PUBLICATIONS FROM THE DEPARTMENT

1. Sankar J, Das RR, Mahapatro S, Sankar MJ. Effect of a Training Strategy in Improving Medication Fallacies During Pediatric Cardiopulmonary Resuscitation: A Before-and-After Study From a Developing Country. *Pediatr Emerg Care.* 2019;35:278-282. PMID: 28697155

2. Behera B, Biswal M, Das RR, Dey A, Jena J, Dhal S, Mohanty S, Mishra B, Praharaj AK. Clinico-epidemiological analysis of scrub typhus in hospitalised patients presenting with acute undifferentiated febrile illness: A hospital-based study from Eastern India. *Indian J Med Microbiol.* 2019;37(2):278-80. PMID: 31745031
3. Das RR, Mangaraj M, Panigrahi SK, Satapathy AK, Mahapatro S, Ray P. Metabolic Syndrome and Insulin Resistance in Schoolchildren From a Developing Country. *Front Nutr.* 2020;7:31. PMID: 32296710
4. Mahapatro S, Satapathy AK. Dentifrice Reducing Levothyroxine Efficacy in Children. *Indian J Pediatr.* 2019; 86:1062. PMID: 31161419
5. Sahoo I, Satapathy AK, John J. Multiple tubercular brain abscesses with obstructive hydrocephalus in an immunocompetent child: A case report. *J Pediatr Neurosci* 2020;15:38-41 PMID: 32435305
6. Das R, Chandrasekar S, Purohit G, Satapathy AK, John J, Mohapatra S, Mishra B. "There is more than what meets the eye" – Extensive spinal tuberculosis presenting as ocular tuberculosis. *Indian J Tuberc.* 2019 Dec;62(2):66-73. PMID: 32825880
7. Routray S, Adhya AK, John J, Dikhit P. Revealing a rare inflammatory oral manifestation in a 6-year-old child. *BMJ Case Rep* 2019;12:e229483. PMID: 31340944
8. M Rasheeda, Purkait S, Satapathy AK, John J, Patra S, Mitra S. Neonatal hemochromatosis in a newborn with Down syndrome. *Fetal Pediatr Pathol.* 2019;1-9. PMID: 31215296
9. Sahoo IK, Satapathy AK, John J. Multiple Tubercular Brain Abscesses with Obstructive Hydrocephalus in an Immunocompetent Child: A Case Report. *J Pediatr Neurosci.* 2020;15:38-41. PMID: 32435305
10. M R, Purkait S, Satapathy AK, John J, Patra S, Mitra S. Neonatal hemochromatosis in a newborn with Down syndrome. *Fetal Pediatr Pathol.* 2020;39:62-70. PMID: 3121529
11. Bhatt GC, Gogia P, Bitzan M, Das RR. Theophylline and aminophylline for prevention of acute kidney injury in neonates and children: a systematic review. *Arch Dis Child.* 2019;104(7):670-679. PMID: 30798259
12. Das RR, Sankar J, Kabra SK. Role of Breathing Exercises And Yoga/Pranayam In Childhood Asthma: A Systematic Review. *Curr Pediatr Rev.* 2019;15(3):175-183 PMID: 30663571
13. Mishra N, Panigrahi MK, Bhatt GC, Das RR. Corticosteroid as an adjunct in the treatment of endobronchial tuberculosis: A systematic review & meta-analysis. *Curr Pediatr Rev.* 2020;16:53-60 PMID: 31622209
14. Palui R, Das RR, Roy A, Kamalanathan S, Kar SS, Sahoo J, Selvarajan S, Satapathy AK. Parathyroid Hormone Replacement Versus Oral Calcium and Active Vitamin D Supplementation in Hypoparathyroidism: A Meta-analysis. *Indian J Endocrinol Metab.* 2020;24:206-214 PMID: 32699792
15. Chandrasekar S, John J. Intravenous Ondansetron to Reduce Intravenous Rehydration – Will it be Successful? *Indian Pediatr.* 2019; 56: 887-88. PMID: 31724552
16. Dwibedi B. Infectious disease isolation facility with advanced engineering design: Need of the hour. *Indian J Med Res.* 2020;151(5):502-503 PMID: 32611926
17. Dwibedi B. Pandemic SARS-CoV-2 laboratory preparedness in India: An opportunity beyond diagnostics. *Indian J Med Res.* 2020;151(5):495-496. PMID: 32611920

Books / Chapter(s) in books

1. Satapathy AK, John J. Insecticide and Pesticide Poisoning. In Piyush Gupta Editor. *Principles of Pediatric and Neonatal Emergencies.* 4th Edition. New Delhi: Jaypee Brothers Medical Publishers (P) Ltd; 2020. p – 628 – 633.

PATIENT CARE / HOSPITAL SERVICES

Outpatient Services

1. General OPD: Average 70 patients per day
2. Specialty clinic : Epilepsy Clinic and Child Guidance Clinic are run in collaboration with Psychiatry department and Nephro - Urology and DSD Clinic with Pediatric Surgery
3. Independently run clinics - Pediatric Pulmonology, Pediatric Nephrology and Adolescent Clinic which see about 15 – 20 patients per clinic day

Inpatient services

About 2089 children have been admitted and treated in the inpatient. About 200 children were also treated and discharged from PICU

MAJOR ACHIEVEMENTS OF THE DEPARTMENT

1. Dr. Rashmi Ranjan Das was awarded Travel Grant by Indian Chest Society (ICS) and International Workshop on Lung Health Committee to attend the International Workshop on Lung Health in Nice, France from 17th to 19th January 2019
2. Dr. Rashmi Ranjan Das received first prize in the award paper presentation in the consultant category in RESPICON 2019 on 12th October, Pune
3. Dr. Rashmi Ranjan Das was awarded International Travel Scholarship (ITS) by Science and Engineering Research Board (SERB), Govt of India to attend 11th World Congress of the World Society for Pediatric Infectious Diseases, Manila, Philippines from 5th to 8th November, 2019



World Asthma Day 2019 oath taking for rational management of Pediatric Asthma



ALS Workshop



PAEDIATRIC SURGERY

PEDIATRIC SURGERY

FACULTY

Dr. Kanishka Das
Professor and Head

Dr. Bikasha Bihary Tripathy
Additional Professor

Dr. Subrat Kumar Sahoo
Associate Professor

Dr. Manoj Kumar Mohanty
Additional Professor

Dr. Akash Bihari Pati
Associate Professor

Dr. Santosh Kumar Mahalik
Associate Professor

HIGHLIGHTS

The Pediatric Surgery modular OT comprising of one integrated (exclusive) and one non- integrated (shared with Neurosurgery) operating room in the third floor OT complex was inaugurated on 5th August 2019, thereby providing for three operating days / six OT tables per week . Inpatient care; Patient care protocols and procedures were streamlined. The Paediatric Surgery ward (I+5) was awarded the Best Ward (in patient service) at the Annual Day in Sept 2019.

EDUCATION

The department was involved in undergraduate (MBBS, BSc Nursing, BSc OTAT), postgraduate (MSc Nursing) and post-doctoral (MCh, Paed Surg) training. Five academic senior residents pursued the MCh Paediatric Surgery during 2019-20, three as per the old curriculum and two as per the new curriculum.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Kanishka Das

1. Attended the Annual Conference of the Indian Association of Pediatric Surgeons (IAPSCON - 2019) from October 30th - Nov 3rd , 2019 at AIIMS New Delhi and delivered a Guest Lecture on ' What ails Pediatric Surgical training in India ?' .
2. Attended the Postgraduate CME 2020 from 16th -19th January 2020 at B J Wadia Hospital for Children , Mumbai as faculty and conducted teaching sessions on ' Hirschsprung disease' , 'Disorders of Sex Differentiation' , 'Biliary atresia' and 'Pelviureteric junction obstruction'.
3. Attended the 8th Annual conference of the Indian Association of Neonatal Nurses (IANN) from February 10th -11th , 2020 at AIIMS, Bhubaneswar and delivered a Guest lecture on ' Neonatal Surgical Emergencies'.

Dr. Manoj Kumar Mohanty

1. Attended the Annual Conference of the Indian Association of Pediatric Surgeons (IAPSCON - 2019) from October 30th - Nov 3rd , 2019 at AIIMS New Delhi and chaired two sessions on Paediatric oncology.

Dr. Bikasha Bihary Tripathy

1. Attended a Live operative workshop on Exstrophy Epispadias complex in April 2019 at JIPMER , Puducherry
2. Attended the Annual Conference of the Indian Association of Pediatric Surgeons (IAPSCON - 2019) from October 30th - Nov 3rd , 2019 at AIIMS New Delhi
3. Attended the 3rd Deccan course in Pediatric Urology from 10th -12th January 2020 at Goa

Dr. Akash Bihari Pati

1. Attended a Live operative workshop on Exstrophy Epispadias complex in April 2019 at JIPMER , Puducherry
2. Attended the 3rd Deccan course in Pediatric Urology from 10th -12th January 2020 at Goa

Dr. Subrat Kumar Sahoo

1. Attended the Pediatric Endosurgeons of India Annual Conference (PESICON) 2020 from Feb 28th – Mar 1st 2020 at Pune.

Dr. Santosh Kumar Mahalik

1. Attended a workshop on 'Surgical Liver in Pediatrics' from 29th -30th November 2019 at Narayana Hrudayalaya, Bangalore
2. Attended the 3rd Deccan course in Pediatric Urology from 10th -12th January 2020 at Goa
3. Attended the Pediatric Endosurgeons of India Annual Conference (PESICON) 2020 from Feb 28th– March 1st 2020 at Pune.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project. Conservative treatment with antibiotics versus emergency appendectomy for management of acute non-perforated appendicitis in children: A randomized controlled trial
Name of the principal investigator: Dr Bikasha Bihary Tripathy
Funding agency: AIIMS BBSR Duration – 1 year, start year:2017 Funds: Rs. 1,90,00/-
IEC approval number: T/IM-F/17-18/48
2. Title of the project: Effect of preoperative stimulation with estrogen on Post-operative complications after Proximal hypospadias repair – A randomized controlled trial
Name of the principal investigator: Dr. Akash Bihari Pati
Funding agency: AIIMS Bhubaneswar, Duration – 2 year, start year: 2017 Funds: Rs. 2,75,000/-
IEC approval number: T/IM-F/17-18/47

Completed:

1. Title of the project: Diagnostic accuracy of LRG as urinary biomarker in pediatric appendicitis: A prospective observational pilot study.
Name of the principal investigator: Dr. Santosh Kumar Mahalik
Funding agency: AIIMS Bhubaneswar Duration – 2 years, start year: 2017 Funds: Rs. 1,72,000/-
IEC approval number: T/IM-F/17-18/36

Departmental:

Ongoing:

1. Title of the project. An analysis of the complications of ventriculoperitoneal shunt in children
Principal Investigator: Dr Kanishka Das.
Funding agency: None, Duration – 2 years, start year: 2018 Funds: nil
IEC approval number: IEC/AIIMSBBBSR/ PG THESIS/ 2018-19/27
2. Title of the project. Prevalence of pancreaticobiliary malformation in patients of choledochal cyst.
Principal Investigator: Dr Bikasha Bihary Tripathy
Funding agency: None, Duration – 2 years, start year: 2018 Funds: nil
IEC approval number: IEC/AIIMSBBBSR/ PG THESIS/ 2018-19/46
3. Title of the project: The association of urinary tract infection with the progression of reflux nephropathy in children with primary vesico-ureteric reflux- a bidirectional study
Principal Investigator: Dr. Akash Bihari Pati
Funding agency: None, Duration – 2 years, start year: 2019 Funds: Nil
IEC approval number: IEC/AIIMSBBBSR/ PG THESIS/ 2019-20/52
4. Title of the Project: To study the role of cortical transit time on diuretic renography in determining the need for surgery and evaluating the postoperative outcome in ureteropelvic junction obstruction in children – a prospective observational study
Principal Investigator: Dr. Subrat Kumar Sahoo
Funding agency: None, Duration – 2 years, Start year: 2019, Funds: Nil
IEC approval number: IEC/AIIMSBBBSR/PG THESIS/2019-20/71

Completed:

1. Title of the project. Risk of complications associated with vascular flap coverage of glanular neourethra during primary urethroplasty – A randomized control trial.
Principal Investigator: Dr Manoj Kumar Mohanty
Funding agency: None, Duration – 2 years, start year: 2017 Funds: nil
IEC approval number: IEC/AIIMSBBBSR/ PG THESIS/ 2017-18/31

PUBLICATIONS

1. Mahalik SK, Mitra S, Patra S, Das K. Cystic biliary atresia or atretic choledochal cyst: A continuum in infantile obstructive cholangiopathy. Fetal Pediatr Pathol. 2019 Dec;38(6):477-483. PMID: 31204550

Chapters in Books

1. Das K. Hirschsprung Disease. In : Eds in chief: Menon PSN, Nair MKC . IAP Textbook of Pediatrics. 7th edition . New Delhi . Jaypee Brothers Medical Publishers, 2019. Pg 703-706.

PATIENT CARE / HOSPITAL SERVICES

- Outpatient services: Total attendance: 9495 (Average 791 per month)
- In patient services : Total admissions : 982 (Average bed occupancy = 80 %)
- Operative Procedures: Total: 814 (Average – 68 per month),
 - o Major 477, Minor 337. Neonatal surgeries ... 29
- Specialty Clinics :

The multidisciplinary, institutional Paediatric Solid Tumour Board was constituted and started its deliberations aimed in September 2019.

The multidisciplinary Hydrocephalus Spina Bifida Clinic was started in December 2019 .
- Equipment :

The following major equipment were employed into patient care during the year.

Neonatal Transport Incubator and Ventilator for safe transport sick neonates.

Paediatric Urodynamic system added to the armamentarium of the Paediatric Nephrourology Clinic. Operating Head Light

Other equipment that were added include Telescope (10 mm) for laparoscopy, Savary Gillard esophageal dilator set and a Laminar Air Flow system.
- New service : Urodynamic studies were commenced in Jan 2020 , this being the first such paediatric urological service available in Odisha.
- Core major pediatric surgical procedures that were initiated / conducted during the year included Single stage Transanal endorectal pull through for Hirschsprung disease, Esophageal replacement, Laparoscopic reconstructive surgery, Laminectomy and repair of occult spinal dysraphism, Single stage repair of Exstrophy bladder , Repair of cloacal exstrophy, Genitoplasty for disorders of sex differentiation and Transpubic posterior urethroplasty
- Pediatric nursing protocols and SOPs were finalised in coordination with college of Nursing.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. S.K. Mahalik was awarded the prestigious American Pediatric Surgical Association (APSA) Travel fellowship 2019 on 19. 5.2019 on the eve of 50th annual conference of APSA at Boston, USA. He is the first Indian Pediatric Surgeon to be honored with this prestigious award and was a visiting surgeon/observer in Pediatric General Surgery at Boston Children's Hospital for a month under the stewardship of Professor Robert Schamberger.



Dr. Santosh Kumar Mahalik receiving the APSA Travel fellowship plaque from Dr. Tamara Fitzgerald and Dr. Doruk Ozgediz on 20th May 2019 at Boston Marriott Copley Place, Boston, Massachusetts, USA.



Dr. Santosh Kumar Mahalik with his mentor Professor Robert Schamberger, Chief- Department of Surgery, Boston Children's Hospital, Massachusetts, USA.



PHARMACOLOGY

PHARMACOLOGY

FACULTY

Dr. Debashish Hota
Professor & Head

Dr. Biswa Mohan Padhy
Additional Professor

Dr. Bikash Ranjan Meher
Associate Professor

Dr. Rituparna Maiti
Additional Professor

Dr. Monalisa Jena
Associate Professor

Dr. Anand Srinivasan
Associate Professor

HIGHLIGHTS

The Department of Pharmacology became officially functional from 20th April 2013. The dept. is currently engaged in postgraduate (MD), undergraduate (MBBS), B.Sc. (Nursing), B.Sc. (OTAT) teaching and, clinical research. All faculty members were actively involved in teaching theory, practical, and tutorial classes. The department had adopted the modern learning methodology that includes computer assisted learning to replace animal experiments for undergraduate practical. Emphasis was given to applied and clinical pharmacology, which has direct bearing on patient care. Students were sensitized and encouraged to get involved in research activities. Apart from teaching faculty, students are also involved in various research activities. Currently four MD dissertations and five other research projects are going on. Department is functioning as an adverse drug monitoring centre (AMC) and has been recently recognised as one of the Medical Device Adverse Event Monitoring Centre under the Materiovigilance Program of India (MVPI). The department is going to start Therapeutic Drug Monitoring and drug information unit soon.

EDUCATION

At present department is involved in postgraduate (MD), undergraduate (MBBS) B.Sc. (Nursing) and, B.Sc. (OTAT) teaching only. Currently department is conducting virtual classes for students as regular classes have been disrupted due to COVID-19 pandemic. Students are evaluated for their progress periodically in an objective manner using multiple choice questions, short answers covering entire topics including practical exercises.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Rituparna Maiti

1. Attended 32nd European College of Neuropsychopharmacology (ECNP) Congress, from September 7 to 10, 2019 at Copenhagen, Denmark and presented a research paper titled "Effect of antipsychotic drugs on serum melatonin and GAP-43 in patients with schizophrenia: A prospective cohort study".
2. Attended Medical Education Conference (MECON) 2020, from 23rd to 25th January 2020 at AIIMS, Bhubaneswar.

Dr Biswa Mohan Padhy

1. Attended and delivered lecture titled "Basic concepts in Biostatistics" in 2nd National Workshop on R for Basic Biostatistics (NAWORB) Workshop – 2018, held from 24th to 27th September 2019 at AIIMS, Bhubaneswar.
2. Attended and delivered lecture titled "Medication Safety and Role of Nurses" in Seminar on quality and patient safety in healthcare on 9th November 2019 at AIIMS Bhubaneswar.
3. Attended Medical Education Conference and Workshop -2020, from 23rd to 25th January 2020 at AIIMS, Bhubaneswar.

Dr Monalisa Jena

1. Attended Medical Education Conference and Workshop -2020, from 23rd to 25th January 2020 at AIIMS, Bhubaneswar.

Dr Bikash Ranjan Meher

1. Attended 2nd JIPMER Research Leadership Mentoring Programme (JRLMP) from 8th to 12th April at JIPMER, Pondicherry.
2. Attended Induction-cum-training program on "Pharmacovigilance" for Coordinators of newly recognized Adverse drug reaction Monitoring Centres (AMCs) from 1st to 2nd July at Indian Pharmacopeia Commission, Ghaziabad.
3. Attended Medical Education Conference and Workshop -2020, from 23rd to 25th January at AIIMS, Bhubaneswar.

Dr Anand Srinivasan

1. Attended and delivered lecture titled "R in Biostatistics" in 2nd National Workshop on R for Basic Biostatistics (NAWORB) Workshop – 2019, held from 24th to 27th September 2019 at AIIMS, Bhubaneswar.
2. Attended Medical Education Conference and Workshop -2020, from 23rd to 25th January at AIIMS, Bhubaneswar.

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

1. Title of the project: Effect of azilsartan vs telmisartan on insulin resistance and metabolic parameters in patient of hypertension with type 2 diabetes mellitus.
Name of the Principal investigator: Dr Bikash Ranjan Meher
Funding agency: AIIMS, Bhubaneswar
Duration- 2 years, Start year: 2018
Funds: 3.47 lakhs
IEC approval number: T/IM-F/17-18/30

Ongoing:

1. Title of the project: Effect of Virgin Coconut Oil (VCO) on cardiometabolic parameters in patients with dyslipidaemia: A randomized, add-on, placebo-controlled clinical trial.
Name of the principal investigator: Dr Rituparna Maiti
Funding agency: Coconut Development Board, Ministry of Agriculture, Government of India.
Duration :2 years, Start year: 2019
Funds: Rs.20,41,950
IEC approval number/EMF/Pharma/18/23
2. Title of the project: Dose evaluation, population pharmacokinetic and pharmacogenetic profiling of hydroxyurea in paediatric patients suffering from sickle cell disease in India – A randomized controlled study.
Name of the principal investigator: Dr. Debasish Hota
Funding agency: ICMR
Duration :2 years, Start year: 2020
Funds: Rs.2,00,00,000
IEC approval number/EMF/Pharma/19/22
3. Title of the project: An artificial intelligence approach to predict the response to chemotherapy in patients with epithelial ovarian carcinoma
Name of the principal investigator: Dr Anand Srinivasan
Funding agency: ICMR
Duration: 2 years, Start year: 2020
Funds: Rs.27,00,000
IEC approval number/ T/EMF/Pharma/20/12
4. Title of the project. Development and validation of diabetes specific medication adherence questionnaire in an Indian tertiary healthcare setup.
Funding agency: AIIMS Bhubaneswar
Name of the principal investigator: Dr. Biswa Mohan Padhy
Duration :1 year, Start year: 2020
Funds: Rs. 2,10,000
IEC approval number: T/IM-F/19-20/05
5. Title of the project: A population pharmacokinetic - pharmacodynamic and machine learning study of dose individualization of polymyxin B in critically ill patients.
Name of the principal investigator: Dr Anand Srinivasan
Funding agency: AIIMS, Bhubaneswar
Duration – 3years, Start year: 1.5 years, 2018
Funds: Rs. 3,50,000
IEC Approval number: AIIMS/BBSR/RC/95/2017
6. Title of the project: Effect of Alpha lipoic acid on non-alcoholic fatty liver diseases: A randomized placebo-controlled clinical trial
Name of the principal investigator: Dr Monalisa Jena
Funding agency: AIIMS, Bhubaneswar
Duration- 1 year, Start year: 1 year, 2020
Funds: Rs. 5,00,000
IEC approval number: T/IM-F/19-20/16

Departmental Projects:**Completed**

1. Title of the project: Effect of Melatonin on seizure outcome, neuronal damage and quality of life in patients with generalized seizure: A randomized, add-on placebo-controlled clinical trial
Name of the principal investigator: Dr Rituparna Maiti
Funding agency: ICMR
Duration :2 years, Start year: 2018
Funds: Rs. 50,000
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/02
2. Title of the project: A Delphi study to identify and find consensus among the doctors for the perceived barriers to report adverse drug reactions in an institute of national importance in India.
Name of the Principal investigator: Dr Bikash Ranjan Meher
Funding agency: Non-funded
Duration- 1.5 year, Start year-, 2019
Funds: Nil
IEC approval number: T/IM-NF/18/62
3. Title of the project: A cross sectional study to assess the knowledge, attitude, and practice of materiovigilance among the doctors working in an institute of national importance
Name of the Principal investigator: Dr Bikash Ranjan Meher
Funding agency: Non-funded
Duration: 1 year, Start year: 2018
Funds: Nil
IEC approval number: T/IM-NF/18/14

Ongoing

1. Title of the project: Evaluation of the impact of a patient safety plan in preventing adverse drug events associated with cancer chemotherapy
Name of the Principal investigator: Dr. Biswa Mohan Padhy
Funding agency: Non-funded
Duration :2 years, Start year:2018
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/06
2. Title of the project: Comparison of efficacy and safety of E. coli asparaginase against pegylated asparaginase in patients with childhood lymphoblastic leukemia: A population pharmacokinetic-pharmacodynamic approach.
Name of the Principal investigator: Dr Anand Srinivasan
Duration :2 years, Start year: 2018
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2018-19/31
3. Title of the project: Changes in pharmacokinetic profile of amikacin following piperine: a possible bio-enhancer
Name of the principal investigator: Dr. Debasish Hota
Funding agency: Non-funded
Duration:2 years, Start year: 2019
Funds: Nil
IEC Approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/30
4. Title of the project: Comparison of efficacy and safety of azilsartan and amlodipine versus telmisartan and amlodipine in hypertensive patients: A non-inferiority study
Name of the principal investigator: Dr Bikash Ranjan Meher
Funding agency: Non-funded
Duration: 2 years, Start year: 2019
IEC Approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/37
5. Title of the project: Evaluation of efficacy and safety of add-on Alpha-lipoic acid on migraine prophylaxis in adolescent population
Name of the principal investigator: Dr Monalisa Jena
Funding agency: Non-funded
Duration: 2years, Start year: 2019
Funds: Nil
IEC Approval number: IEC/AIIMS BBSR/PG Thesis/209-20/15

6. Title of the project: Effect of regulated add-on sodium chloride intake on stabilization of serum lithium concentration in bipolar disorder: A randomized controlled trial
Name of the principal investigator: Dr Rituparna Maiti
Duration: 2years, Start year :2020
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/76

PUBLICATIONS

1. Tripathy SK, Rao PB, Nanda SN, Nayak C, Samal BP, Jain M, Srinivasan A, Hota D. Safety and efficacy of epsilon aminocaproic acid (EACA) as an antihemorrhagic drug in bilateral one stage total knee arthroplasty: A double-blind randomized controlled trial. *The Knee* 2020; 27(1): 229-234. PMID: 31882387
2. Jena M, Ranjan R, Mishra BR, Mishra A, Nath S, Sahu P, Meher BR, Srinivasan A, Maiti R. Effect of lurasidone vs olanzapine on neurotrophic biomarkers in unmedicated schizophrenia: A randomized controlled trial. *J Psychiatr Res.* 2019; 112:1-6. PMID: 30782512
3. Mishra BR, Maiti R, Nath S, Sahoo P, Jena M, Mishra A. Effect of Sertraline, Dosulepin, and Venlafaxine on Non-BDNF Neurotrophins in Patients with Depression: A Cohort Study. *J Clin Psychopharmacol.* 2019;39(3):220-225. PMID: 30932945.
4. Kirtania L, Maiti R, Srinivasan A, Mishra A. Effect of Combination Therapy of Endothelin Receptor Antagonist and Phosphodiesterase-5 Inhibitor on Clinical Outcome and Pulmonary Haemodynamics in Patients with Pulmonary Arterial Hypertension: A Meta-Analysis. *Clin Drug Investig.* 2019;39(11):1031-1044. PMID: 31420854
5. Mukherjee S, Tripathy SK, Maiti R, Nayak C, Samal BP, Rao B, Panda A. Single dose Intravenous Tranexamic acid may not be adequate to reduce blood loss and blood transfusion requirement in patients undergoing single stage bilateral total knee arthroplasty. *Acta Orthop Belg.* 2019; 85(3):364-372. PMID: 31677634
6. Tripathy A, Maiti R, Jena M, Mishra A, Srinivasan A. Effect of alpha agonists on the prevention of postparacentesis circulatory dysfunction in patients with refractory or recurrent ascites: a meta-analysis. *Eur J Gastroenterol Hepatol.* 2020;32(3):303-311. PMID: 31688312.
7. Mishra A, Maiti R, Mishra BR, Jena M, Nath S, Sahu P. Effect of add-on ramelteon therapy on sleep and circadian rhythm disruption in patients with schizophrenia: A randomized controlled trial. *Eur Neuropsychopharmacol.* 2020; 31:109-118. PMID: 31831203.
8. Mishra A, Maiti R, Mishra BR, Jena M, Srinivasan A. Effect of Repetitive Transcranial Magnetic Stimulation on Seizure Frequency and Epileptiform Discharges in Drug-Resistant Epilepsy: A Meta-Analysis. *J Clin Neurol.* 2020;16(1):9-18. PMID: 31942753
9. Mishra BR, Nath S, Mishra S, Pattnaik JI, Maiti R. The rare association of rapid eye movement behavior disorder and Fahr's disease: A harbinger for neurodegeneration? *Indian J Psychiatry.* 2020;62(1):100-102. PMID: 32001940
10. Kakkar AK, Padhy BM, Sarangi SC, Gupta YK. Methodological Characteristics of Clinical Trials: Impact of Mandatory Trial Registration. *J Pharm Pharm Sci.* 2019; 22: 131-141. PMID: 31013015
11. Agrawal K, Meher BR, Padhy BM. Ethical Conundrum in Nuclear Medicine Research in India. *Indian J Nucl Med.* 2019;34(2):83-85. PMID: 31040516
12. Meher BR, Padhy BM. Indication-specific pricing of drugs: a utopian idea, a pragmatic proposition or unrealistic in economically constrained settings? *Trop Doct.* 2020;50(2):157-159. PMID: 32036770
13. Meher BR, Srinivasan A, Vighnesh CS, Padhy BM, Mohanty RR. Factors most influencing antibiotic stewardship program and comparison of prefinal- and final-year undergraduate medical students. *Perspect Clin Res.* 2020;11(1):18-23. PMID: 32154145
14. Meher BR. Inclusion of Radiopharmaceuticals in the Indian Pharmacopeia: A Step Forward. *Indian J Nucl Med.* 2020;35(1):1-3 PMID: 31949360
15. Meher BR. Vaccine pharmacovigilance in India: Current context and future perspective. *Indian J Pharmacol.* 2019;51(4):243-247. PMID: 31571710
16. Mohanty RR, Agrawal K, Meher BR. Thyroid Scintigraphy in Fever of Unknown Origin. *Indian J Nucl Med.* 2019;34(4):307-308. PMID: 31579229



PHYSICAL MEDICINE
& REHABILITATION

PHYSICAL MEDICINE & REHABILITATION

FACULTY

Dr Jagannatha Sahoo
Associate Professor

Dr Apurba Barman
Associate Professor

HIGHLIGHTS

The Department of Physical Medicine & Rehabilitation has established itself as a centre for comprehensive rehabilitation, catering to patients from all parts of Odisha and the neighboring states. The Department has been providing quality outpatient and inpatient care for locomotor disability with all the available resources during the last year.

During April 2019-March 2020, Total 24,410 patients with various disabilities were seen in PMR-OPD. Department is regularly admitting Inpatients (IPD) for deformity correction surgery and rehabilitation of patients with neurologic disorder, musculoskeletal and locomotor disorders. During April 2019- March, 2020 total 405 patients were admitted in PMR Ward. Total 269 major rehabilitation surgeries and 103 other interventions were done. Besides, Department has fully fledged Physiotherapy Section, occupational therapy and Prosthetic & Orthotics section which provides all kind of holistic therapy on daily basis.

EDUCATION

The Department is actively involved in providing quality undergraduate and postgraduate teaching. Regular theory classes, as and when allotted, are carried out by the entire faculty. Apart from regular undergraduate teaching, seminars are held twice every week in the form of journal club, case presentations and topic seminars for the Postgraduate trainee and senior residents. Besides, nursing staffs and patients' education program regarding nursing care, home program and community-based rehabilitation are also held in the department from time to time.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Jagannatha Sahoo

1. Attended 2nd JIPMER research methodology and mentoring program phase-II from 7th April to 13th April 2019 at JIPMER, Puducherry
2. Participated in workshop of Hip preservation Surgery at SUM hospital on 15th June 2019
3. Attended as a faculty at Odisha arthroplasty annual conference from 10th August to 11th August 2019 and presented a paper on dysplastic hip.
4. Chaired a session at 43rd Annual Conference of the Indian Society for Surgery of the Hand 2019, Puri as an organizer from 11th September to 15th September 2019
5. Attended as a faculty on Odisha arthroscopy association CME conducted at Bhubaneswar from 9th November to 10th November 2019
6. Attended 64th Annual Conference of Indian Orthopaedic Association 2019 at Kolkata from 21st November to 24th November 2019
7. Attended Annual Conference of Odisha orthopaedic association held at Bhubaneswar from 11th January to 12th January 2020.
8. Participated in International Society of Physical Medicine and Rehabilitation World Congress 2020 (ISPRM World Congress 2020) at Orlando, Florida from 4th March to 9th March 2020 and presented a paper on use of injection BOTOX for low back pain (LBP)

Dr. Apurba Barman

1. Attended International Society of Physical Medicine and Rehabilitation World Congress 2019 (ISPRM World Congress 2019) and presented two papers at Kobe, Japan from 9th June to 16th June 2019.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: "Injection Botulinium Toxin-A administration in para spinal muscles in resistance chronic low back pain – a clinical trial"
Name of the principal investigator: Dr Jagannatha Sahoo
Funding agency: All India Institute of Medical Sciences, Bhubaneswar

Duration: 2 Years, start year: 2017
 Funds: Rs. 3,00,000/-
 IEC approval number: T/IM-F/17-18/49

2. Title of the project: "Role of Intra-articular and Intra-osseous injections of Platelet Rich Plasma in OA Knee"
 Name of the principal investigator: Dr Apurba Barman
 Funding agency: All India Institute of Medical Sciences, Bhubaneswar
 Duration: Two years, start year: 2018
 Funds: Rs. 4,00,000/-
 IEC approval number: T/IM-F/18-19/49

Departmental:

Ongoing:

1. Title of the project. Cartilage turnover and changes in inflammatory biomarkers and its correlation with clinical efficacy after intra-articular and intra-osseous Platelet Rich Plasma Injections in Osteoarthritis: Randomized Controlled Clinical Trial
 Name of the principal investigator: Dr Apurba Barman
 Funding agency: ICMR
 Duration: 18 months; Start year: 2019
 Funds: Rs. 20,000,00/-
 IEC approval number: T/EMF/PMR/18/30

PUBLICATIONS

1. Barman A, Mukherjee S, Sahoo J, Maiti R, Rao PB, Sinha MK, Sahoo D, Tripathy SK, Patro BK, Bag ND. Single Intra-articular Platelet-Rich Plasma Versus Corticosteroid Injections in the Treatment of Adhesive Capsulitis of the Shoulder: A Cohort Study. Am J Phys Med Rehabil. 2019;98(7):549-557. PMID: 3067633
2. Sinha MK, Mishra P, Mishra TS, Barman A. Aspiration and steroid injection in ganglion cysts: An ultrasound guided evaluation of the response. J Clin Orthop Trauma. 2019 PMID: PMC6823827

PATIENT CARE / HOSPITAL SERVICES

Physical Medicine & Rehabilitation OPD

Total PMROPD patients: 24410
 Total OPD Procedures: 1576
 Total number of Patients attending Physiotherapy Section: 22,985
 Botox Injection: 28
 Serial Casting: 268
 Pain intervention (Nerve block, Intra-articular injection etc): 103

Physical Medicine & Rehabilitation IPD

Admission in PMR Ward:405

Rehabilitation Surgeries in Physical Medicine & Rehabilitation:

Major Surgeries: 269
 Pain Intervention under Fluoroscope: 26

AWARDS, HONORS & SIGNIFICANT EVENTS

1. Dr Jagannatha Sahoo had been awarded The Johnson fellowship on complicated / revision of Knee and Hip replacement surgery at Sri Balaji Institute of Surgery, Research and Rehabilitation for the Disabled Trust Hospital on 21.05.2019.
2. Dr Jagannatha Sahoo had been selected as Secretary for Odisha Chapter at Mid-term CME of Odisha-chapter, Indian Association of Physical Medicine and Rehabilitation, on 05.01.2020.
3. Dr Apurba Barman was awarded with "Prof Navnendra Mathur Memorial Award, 2019" for the best scientific research paper published in 2019 at 48th Annual National Conference Indian Association of Physical Medicine and Rehabilitation, 2020.



Inauguration of the department



PHYSIOLOGY

PHYSIOLOGY

FACULTY

Dr. Sushil Chandra Mahapatra
Professor & Head

Dr. Amit Ghosh
Additional Professor

Dr. Manish Goyal
Associate Professor

Dr. Pranati Nanda
Additional Professor

Dr. B. N. Rao
Associate Professor

Dr. Kalpana Barhwal
Associate Professor

Dr. Manisha Kar
Additional Professor

Dr. Priyadarshini Mishra
Associate Professor

Dr. Nibedita Priyadarsini
Assistant Professor

HIGHLIGHTS

The department of Physiology at AIIMS Bhubaneswar is committed to undertake basic science to new heights by providing a thorough understanding of normal body function and thus enabling students to appreciate various disease states. Recently the department has undertaken PhD course so that the research scholars can be prepared for research-oriented work as well as they can take on a wide variety of demanding professional duties and roles. The Department of physiology provides platform for research in basic science. Working along with Medical Education unit, AIIMS Bhubaneswar, the faculty members of our department are actively involved in medical curriculum development and improving medical education. The department also provides EEG diagnostic services, Genetic screening for diagnosis of genetic disorders and intra-operative Neurophysiologic monitoring services to Dept. of Neurosurgery and Dept. of Orthopaedics with a future plan of extending the diagnostic facilities.

EDUCATION

The department has initiated PhD course with a goal of acquisition of academic skills by developing competency in research and academic work. The core focus of the doctorate programme is to prepare the research scholar for research-oriented work and competency as per the need of other universities and equip them to take on a wide variety of demanding professional duties and roles. One candidate has joined in the department in the academic year 2019-20. One of our faculty has also joined as in- service PhD candidate in 2019 in the Dept. of Biochemistry. The Department imparts Post-Graduate teaching-learning process through conduction of seminars, group discussions, practical and discussion of research articles in Journal Club. The Department envisages preparing post-graduate students as highly competent Medical Teachers and Researchers, which is a need of the hour. Thus the department of Physiology contributes to the bigger goal of generating highly competent human resource in the arena of Medical Education and Research. One MD student joined Department in January Session 2020. Regular Physiology theory as well as practical classes started with effect from Aug 2019. We impart integrated teaching classes in collaboration with other basic science departments and clinical disciplines with an aim to develop their understanding of abnormal disease state and develop clinical acumen. All the faculty members of the Department of Physiology are involved in Undergraduate teaching of MBBS, B. Sc. Nursing (Hons.) and Paramedical lectures, tutorials, practical classes and also conducting internal examinations.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Sushil Chandra Mahapatra

1. Attended 9th Annual Conference of UP-UK Chapter of Association of Physiologists and Pharmacologists of India" from 5th April to 6th April at Greater Noida, U.P.
2. Attended Conference from 25th September to 28th September 2019 at Employees' State Insurance Corporation Medical College and Hospital Faridabad Haryana and Chaired a Scientific Session on "Physiology for Better Health".
3. Attended World Congress on Geriatrics & Gerontology-2019 from 21st November to 22nd November, 2019 at JN Tata Auditorium, Indian Institute of Science, and Bengaluru.

Dr. Pranati Nanda

1. Attended CME on "Current trends in Cancer Proteomics" organised by the Department of Biochemistry on 7th September, 2019 at AIIMS Bhubaneswar.
2. Attended Conference of Association of Physiologists of Odisha form 7th December to 8th December, 2019 at AIIMS, Bhubaneswar.

Dr. Manisha Kar

1. Attended TIPS Advanced – 2019 (Techniques in Physiological Sciences – Advanced) workshop for SAARC Nations, workshop, from 12th to 15th December 2019 at AIIMS Delhi.

2. Attended Medical Education Conference and workshop – 2020 (MECON), conference and workshop, from 23rd to 25th January 2020 at AIIMS Bhubaneswar.
3. Attended Workshop and Conference of Association of Physiologists of Odisha form 7th December to 8th December, 2019 at AIIMS, Bhubaneswar.

Dr. B. N. Rao

1. Participated in the workshop on “Change Management and Portfolio Based Teaching, Learning & Assessment on 23rd January 2020, held at AIIMS, Bhubaneswar.
2. Participated in the Medical Education Conference from 24th Jan to 25th January 2020, held at AIIMS, Bhubaneswar.
3. Participated in the integrated teaching session on “Congestive Heart Failure-Physiological Perspectives” to the MBBS VIII Semester organized by the Department of Paediatrics on 4th March, 2020.
4. Attended Conference of Association of Physiologists of Odisha form 7th December to 8th December, 2019 at AIIMS, Bhubaneswar.

Dr. Priyadarshini Mishra

1. Attended the 5th World Congress on Chronomedicine from 18th Oct to 19th October 2019 at AIIMS, Rishikesh, and Uttarakhand.
2. Attended Medical Education Conference and workshop – 2020 (MECON), conference and workshop, from 23rd January to 25th January 2020 at AIIMS Bhubaneswar.
3. Organising Secretary of Annual conference of Association of Physiologists of Odisha held from 7th December to 8th December 2019.
4. Conducted Workshop on “Video and e-content development in Medical education” on 7th December 2019.

Dr. Manish Goyal

1. Attended 5th World congress of Indian society of Chronomedicine” from 18th October to 19th October 2019 held at All India Institute of Medical Sciences, Rishikesh, Uttarakhand as expert speaker and delivered a lecture on “Cosinor Analysis made simple” where basics of Cosinor analysis and how to execute this in Excel and Matrix Laboratory (MATLAB) were discussed.

Dr. Kalpana Kumari Barhwal

1. Attended 6th Annual National Conference of Association of Physiologists of India (ASSOPI) from 12th-14th September 2019 at JSS Medical College, Mysuru and presented a research paper “Prevalence and risk factors of hypertension in acclimatized lowlanders staying at high altitude for different durations”.
2. Attended Conference of Association of Physiologists of Odisha form 7th-8th December, 2019 at AIIMS, Bhubaneswar and she was treasurer for the event.

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

1. Title of the project. Mutation analysis of congenital cataract and genotype –phenotype association in Eastern Indian Population
Name of Principal Investigator: Dr. Amit Ghosh
Funding agency: Indian Council of Medical Research
Duration 3 years, start year: 2019 Funds: Rs.30, 00,000/-
IEC approval number: T/EMF/Physio/18/32
2. Title of the project. Determinants of Excess Alpha Globin Chain As A Central Modifier of Phenotypes in Beta Thalassemia
Name of Principal Investigator: Dr. Amit Ghosh
Funding agency: Department of Biotechnology
Duration 3 years, start year: 2019
Funds: Rs. Rs.38,72,384/-
IEC approval number:T/IM-F/Physio/15/05
3. Title of the project. Study the efficacy of virgin coconut oil in preventing oral cancer in patient with an oral premalignant lesion
Name of Principal Investigator: Dr. Amit Ghosh
Funding agency: Ministry of Agriculture and farmer welfare
Duration Three years, start year: 2019

Funds: Rs 30, 18,750/-
IEC approval number: T/EMF/Physio/18/14

4. Title of the project. Investigating the role of neddylation in neuroglobin mediated hypoxic neuroprotection and implications for augmenting neuronal survival in hypoxia
Name of the principal investigator: Dr Kalpana Barhwal
Funding agency: Department of Science and Technology (DST)
Duration – Three years. Start year: 2017
Funds: Rs.10,37,500/-
IEC approval number: T/EM-F/Physio/16/08
5. Title of the project: Investigating role of serum magnesium in pathophysiology of heat illness and susceptibility among Indian population
Name of the principal investigator: Dr Kalpana Barhwal
Funding agency: Life Science Research Board
Duration – Three years, start year: 2019
Funds: Rs.21,70,560
IEC approval number: T/EM-F/Physio/17/09

Funded Intramural:

Ongoing:

1. Title of the project. To study the association of arterial stiffness and biochemical correlates of cerebral hypo-perfusion with treatment resistant major depressive disorder (MDD) in middle aged population
Name of the principal investigator: Dr Kalpana Barhwal
Funding agency: AIIMS, BBSR,
Duration - Two years. Start year: 2019
Funds: Rs.2, 47,600/-
IEC approval number: T/IM-F/Physio/18-19/02
2. Title of the project: Association of NF-kB-miR-146a expression with nerve conduction Studies in diabetic peripheral neuropathy patients – A pilot study.
Name of the principal investigator: Dr Nibedita Priyadarsini
Funding agency: AIIMS, Bhubaneswar
Duration, - Two years. start year: 2019
Funds: Rs.2, 59,205/-
IEC approval number/IM-F/18-19/16

Funded Intramural:

Completed:

1. Title of the project: A multiparametric approach to assess early onset of arterial stiffness in apparently healthy individuals
Name of the principal investigator: Dr. Manisha Kar
Funding agency: AIIMS Bhubaneswar
Duration, start year: 2 years, 2017
Funds: Rs.4, 00,000/-
IEC approval number: T/IM-F/Physio/15/18
2. Title of the project: Correlation between serum zinc and NMDA receptor Peptide subunits in newly diagnosed epileptic patients-A pilot study.
Name of the principal investigator: Dr. B. Narasimha Rao
Funding agency: AIIMS, Bhubaneswar
Duration Two years, start year: 2017
Funds: Rs. 2,16,000/-
IEC approval number:T/ IMF/10/2017

Departmental:

Ongoing:

1. Title of the project. The study of haematological parameters in patients with Deep Vein Thrombosis with & without diabetes mellitus.
Name of the principal investigator: Dr. Pranati Nanda
Duration Two years, start year: 2019
Funds: none
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/10

2. Title of the project: Determination of effect of occlusion duration on post-occlusive reactive hyperaemia in peripheral digit of healthy individuals using photoplethysmography.
Name of the principal investigator: Dr. Manisha Kar
Duration: One year, start year: 2019
Funds: none
IEC approval number: T/IM-NF/Physio/18/82
3. Title of the project: An EEG study of coherence and frontal asymmetry with emotional video stimuli.
Name of the principal investigator: Dr Manish Goyal
Duration Three months, start year: 2019
Funds: ICMR
IEC approval number: IEC/AIIMS BBSR/STS/2019-20/13
4. Title of the project: Estimating resting metabolic rate from alveolar minute ventilation.
Name of the principal investigator: Dr Manish Goyal
Duration One year, start year: 2019
Funds: Non Funded, IEC approval number: T/IM-NF/Physio/19/85
5. Title of the project. Neurophysiological assessment of error related brain activity in major depressive disorder (MDD)
Name of the principal investigator: Dr Kalpana Barhwal
Funding agency: AIIMS, BBSR,
Duration – Two years. Start year: 2019
Funds: Nil
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/56
6. Title of the project To study the association physical activity with pulse wave velocity in young population (STS project)
Name of the principal investigator: Dr Kalpana Barhwal
Funding agency: ICMR-STS, Duration- Three months, start year: 2019
IEC approval number: IEC/AIIMS BBSR/STS/2019-20/08
7. Title of the project. Study of the risk factors associated with type 2 diabetes mellitus progressing to cognitive decline
Name of the principal investigator: Dr. Nibedita Priyadarsini
Duration – one year. Start year: 2019
Funds: Non funded
IEC approval number: T/IM/NF/Physio/19/24
8. Title of the project. The study of sarcopenia in type 2 diabetes mellitus adults in eastern India.
Name of the principal investigator: Dr. Nibedita Priyadarsini
Funding agency: Non funded.
Duration Two years, start year: 2019
Funds: Nil
IEC approval number: IEC/AIIMS/BBSR/PG Thesis/2019-20/13

Completed:

1. Title of the project: Determination of effect of sleep duration and sleep quality on arterial stiffness in apparently healthy individuals
Name of the principal investigator: Dr. Manisha Kar
Funding agency: none
Duration, start year: 1 year, 2018
Funds: none
IEC approval number: T/IM-NF/Physio/17/43
2. Title of the project: Determination of cardiovascular reactivity in response to laboratory mental stressors in healthy, young women during different phases of menstrual cycle using heart rate variability (HRV)
Name of the principal investigator: Dr. Manisha Kar
Duration: 2 years, Start year: 2018
Funds: none
IEC approval no. : IEC/AIIMS BBSR/PG Thesis/2018-19/04
3. Title of the project: Determination of effect of acute bout of moderate exercise on P300 component of ERP in sedentary young women during different phases of menstrual cycle. (STS Project)
Name of the principal investigator: Dr. Manisha Kar
Funding agency: ICMR
Duration 3 months, start year: 2019
IEC approval number: IEC/AIIMS BBSR/STS/2019-20/07

4. Title of the project: Second language processing in bilingual subjects during sentence comprehension.
Name of the principal investigator: Dr. B. Narasimha Rao
Funding agency: Non-Funded
Duration – 2 years, start year: 2018
Funds: Non-Funded
IEC approval number: IEC/AIIMS/BBSR/PG Thesis/2018-19/2.
5. Title of the project: Investigation of the efficacy and sensitivity of central blood pressure in predicting pregnancy induced hypertension.
Name of the principal investigator: Dr. Nibedita Priyadarsini
Funding agency: None
Duration 2 years, start year: 2017
Funds: Non-Funded
IEC approval number: T/IM-NF/Physio/17/15

Collaborative projects:

Ongoing:

1. Title of the project. Feature extraction of chaotic time series generated by EEG data for detection and prediction of epilepsy. September 2019. (With IIT Bhubaneswar)
Name of the principal investigator - Dr Manish Goyal
Funding agency: NA Duration 3 years, start year: 2019
Funds: Non Funded
IEC approval number: T/EMF/Physio/19/10
2. Title of the project. Validation of Smart phone based spirometer. (With IIT Kharagpur)
Name of the principal investigator: Dr Manish Goyal
Funding agency: NA Duration 3 years, start year: 2019
Funds: Non Funded
IEC approval number: T/EMF/Physio/18/44

PUBLICATIONS

List of papers published in Journals:

1. Ghosh A, Dharmarajan A, Swain PK, Das D, Verma P, Tripathy PR. Impact of Cardiovascular Factors on Pulse Wave Velocity and Total Vascular Resistance in Different Age Group Patients with Cardiovascular Disorders. *Curr Aging Sci.* 2019;11(4):261-268. PMID: 30813882
2. Pramanik B, Ghosh A. Development of an Efficient, Non-Invasive Method for Cardiovascular Disease Risk Stratification in a Resource-Limited Setting. *Curr Aging Sci.* 2019;12(2):91-99. PMID: 31769361
3. Verma P, Naik S, Nanda P, Banerjee S, Naik S, Ghosh A. In Vitro Anticancer Activity of Virgin Coconut Oil and its Fractions in Liver and Oral Cancer Cells. *Anticancer Agents Med Chem.* 2019;19(18):2223-2230. PMID: 31736449
4. Verma P, Ghosh A, Ray M, Sarkar S. Lauric Acid Modulates Cancer-Associated microRNA Expression and Inhibits the Growth of the Cancer Cell. *Anticancer Agents Med Chem.* 2020;20(7):834-844. PMID: 32156243
5. Ghosh A, Nanda P, Tripathy S, Sinha MK. Glycogen Accumulation in Neutrophil Can Be a Marker of Sepsis. *Int J Appl Basic Med Res.* 2020 Jan-Mar;10(1):22-24. PMID: 32002381
6. Goyal M, Goel A, Singh R, Chowdhury N, Verma N, Tiwari S, Deepak KK. (2020) Circadian rhythm of airways calibre and its autonomic modulation. *Chronobiol Int.* Feb;1-11. PMID: 32077322
7. Goyal M, Goel A, Bhattacharya S, Verma N, Tiwari S. (2018) Circadian variability in airways characteristics: A spirometric study. *Chronobiol Int.* 2019;36:1550-1557. PMID: 31475562

PATIENT CARE/HOSPITAL SERVICE

Department Physiology is also provides health-care services to the following patients:

1. Electroencephalography (EEG).
2. Pulmonary Function tests (PFT).
3. Nerve Conduction Study (NCS/EMG/EP).
4. Intraoperative Neurophysiological monitoring – Health Care services extended to Dept. of Neurosurgery and Dept. of Orthopedics.

AWARD, HONOURS AND SIGNIFICANT EVENTS

1. Dr Kalpana Barhwal received 'S N Choudhary Memorial Award', during 6th Annual National Conference of Association of Physiologists of India (ASSOPI) organized by JSS Medical College, Mysuru from 12th September to 14th September 2019.



PSYCHIATRY

PSYCHIATRY

FACULTY

Dr Susanta Kumar Padhy
Additional Professor & HOD

Dr Shree Mishra
Assistant Professor

Dr Rina Kumari
Assistant Professor

Dr Suravi Patra
Additional Professor

Dr Debadatta Mahapatra
Assistant Professor

Dr Biswa Ranjan Mishra
Additional Professor

Dr Santanu Nath
Assistant Professor

HIGHLIGHTS

The department conducted the annual national conference of the Indian Association of Social Psychiatry in 2019. This was the first national conference hosted by the department and was also academically enriched by various Pre-Conference workshops, where many national and international speakers enlightened the participants. Various renowned psychiatrists and academicians attended the conference and enriched the audience by their world-class deliberations. The conference was attended by around 350 delegates. The department conducted de-addiction and health camp for housekeeping staff at AIIMS Bhubaneswar on 14th March 2020.

EDUCATION

The department is involved in Post Graduate Psychiatry and Psychiatry Nursing teaching. Currently, there are five candidates in M.D. (Psychiatry). Critical Appraisal skills are focused in Journal Clubs moderated by the faculty members. Both international journals of high repute and national journals are chosen for article selection and presentation by the residents. The faculties conduct Clinical Teachings, lectures in Psychopathology, Journal Clubs, Case Conferences and Tutorials for the Post Graduate students.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Susanta Kumar Padhy

1. Attended 71st Annual State Conference (IMACON Odisha 2020) at Jharsuguda, Odisha from 15th and 16th February 2020 and received Professor M C Mishra Memorial Award for the Best Case Report "Arachnoid cyst- an innocent bystander or a harbinger of a tornado?"
2. Invited as a keynote speaker for 19th Biennial National Conference on Suicide prevention held at Jamshedpur on 16th September 2019.
3. Invited as a panelist, on 'Workplace Abuse' in the 17th Annual National Conference of Indian Psychiatric Society--Jharkhand branch (JASCON-2019) (Theme: The Ugly Face of Abuse), held on 8th & 9th September 2019, at Bokaro, India.
4. Chaired a session titled "Medical Complications of Amphetamine like stimulants (ATS): Are we prepared?" in the National CME on Addiction Psychiatry organised by Department of Psychiatry, PGIMER, Chandigarh on 16th September 2019.
5. Attended 21st Annual conference of International Society for Addiction Medicine (ISAM), held at New Delhi, India from 13th to 16th November 2019 and Co-presented a paper titled "Hundreds of needle in human body, an eye-opener to unravel substance use: An amazing case from India focusing on a good history taking practice".
6. Participated as a resource person and delivered a lecture on "Overview of Tobacco Addiction", in the State level Tobacco cessation program, organized by Govt. Of Odisha, and Dept. Of Psychiatry, AIIMS, Bhubaneswar from 26th to 28th March 2019 and delivered scientific session on "Strategies for tobacco cessation" and "Practical session on tobacco cessation."
7. Invited as a speaker on "Management of ADHD" in the mid-term CME of IPS, Odisha state branch held at KIMS, Bhubaneswar on 22nd and 23rd August 2019 and delivered a talk on "Management of ADHD".
8. Invited as a chairperson for a session in the National CME cum Workshop on "Prevention of child sexual abuse: current status and future challenges" at KIMS, Bhubaneswar on 13th April, 2019.
9. Invited as a chairperson for a session in the National CME cum Workshop on "Androgenic (Biological) Assessment of Sexual Dysfunction held at KIMS, Bhubaneswar on 13th August, 2019
10. Participated in the workshop on "Effective Medical Literature Search" organized by the Institute Research Committee on 26th April, 2019 at AIIMS, Bhubaneswar.
11. Participated as a delegate in Workshop on "Application of biostatistics in clinical research" at AIIMS Bhubaneswar

from 22th to 25th April 2019.

12. Invited resource person for the International scientific meeting on Rural mental Health in India sponsored by ICMR, Govt of India, held on February 9, 2020
13. Invited resource person for 3-day Training on Skill Development for Diagnosis and Management of Mental Illness using Digital Technology organized by the Rural Mental Health Section of World Psychiatry Association (WPA), University of Chester, United Kingdom(U.K) and South Asia Self Harm Initiative (SASHI), Indian Psychiatry Society (IPS) and IIMHR University, held at IIMHR University, from 10th to 12th February 2020 at Jaipur, India.
14. Dr S K Padhy attended ANCIPS Kolkata and presented on Are Doctor Parents open-minded to understand stress vulnerability model in their offspring's mental health? On

Dr Suravi Patra

1. Participated as delegate in the conference of National Academy of Medical Sciences at the NAMSCON 2019, AIIMS Bhopal, from 11th to 13th October 2019.
2. Attended 15th Indian Association of Child and Adolescent Mental Health (IACAM) at Government Medical College & Hospital, Chandigarh, from 8th to 10th November 2019 and presented in a symposium "Excessive use of internet among school children: A growing matter of concern in India" and chaired a symposium on "School mental health in Indian: What we have achieved?".
3. Attended the 26th Annual Conference of Indian Association of Social Psychiatry at AIIMS Bhubaneswar from 29th November to 1st December 2019 and participated as a speaker in symposium: "Digital Media & Self Harm in Adolescents: Clinical Scenarios & Management".
4. Attended 26th Annual Conference of Indian Association of Social Psychiatry at AIIMS Bhubaneswar 29th November to 1st December 2019 and participated as a speaker in symposium: "Apps for self-assessment and monitoring in psychiatry".

Dr Biswa Ranjan Mishra

1. Participated as a delegate in the National CME cum Workshop on "Prevention of child sexual abuse: current status and future challenges" at KIMS, Bhubaneswar on 13th April, 2019.
2. Participated as a delegate in the workshop on "Effective Medical Literature Search" organized by the Institute Research Committee on 26th April, 2019 at AIIMS, Bhubaneswar.
3. Conducted a workshop on "Cognition and neuropsychology", and presented the session on "Bedside lobe function assessment" in the Department of Psychiatry, IMS and SUM Hospital, Bhubaneswar on 31st July 2019.
4. Participated as a delegate in the 29th Annual Conference of Indian Psychiatric Society, Odisha state branch at Puri on 2nd and 3rd November, 2019 and chaired a "Workshop on Publication".
5. Organized National Conference of Indian Association of Social Psychiatry (NCIASP) 2019 held at AIIMS, Bhubaneswar from 29th November to 1st December, 2019 as co-chairperson and conducted a symposium on "Socio-cultural dimensions of Dissociative disorders" and presented on "Cultural role in the aetiology of Dissociative disorders".
6. Participated in the Pre-conference workshop on "Change Management and Portfolio Based Teaching, Learning and Assessment" at the Medical Education Conference and Workshop from 23rd to 25th January 2020 organized by the Medical Education Unit, AIIMS, Bhubaneswar.

Dr. Shree Mishra

1. Attended CME on "Prevention of Child Sexual Abuse" at KIMS Bhubaneswar, India on 13th April 2019.
2. Attended Workshop on "Effective medical literature search", at AIIMS Bhubaneswar, on 27th April 2019.
3. Attended Workshop on "Application of biostatistics in clinical research" at AIIMS Bhubaneswar from 22nd to 25th April 2019.
4. Participated as a resource person in the State level Tobacco cessation program, organized by Govt. Of Odisha, and Dept. Of Psychiatry, AIIMS, Bhubaneswar from 26th to 28th March 2019, delivered a lecture on "Overview of Tobacco Addiction" and conducted a scientific session on "Strategies for tobacco cessation" & "Practical session on tobacco cessation."
5. Organized National conference of Indian Association for Social Psychiatry at AIIMS Bhubaneswar from 29th November 2019 to 1st December 2019 as the organizing secretary and was a part of the organizing team "Preconference Workshop on GMHAT and Gadget Addiction" on 28th November 2019.
6. Resource person for substance use disorder (SUD) training programmes for nurses in two phases under MOHFW, GOI conducted by College of Nursing. Phase 1- from 21st October 2019 to 27th October 2019 and Phase 2- from 2nd February 2020 to 7th February 2020.

7. Attended SUN PGCME at Bhubaneswar from 30th August to 1st September 2019 and delivered Guest lecture on "Management of Dissociative disorders".
8. Attended International Society of Addiction Meeting (ISAM), conference Delhi from 13th to 16th November 2019 and presented paper on "Hundreds of needles in human body, an eye-opener to unravel substance use".
9. Participated in the Indian Psychiatry Society, Odisha State Branch conference at Puri, Odisha from 2nd to 3rd November 2019.
10. Attended 26th National Conference of the Indian Association for Social Psychiatry (NCIASP), 2019 at AIIMS, Bhubaneswar, India from 29th November to 1st December, and presented a topic in a symposium on 'Sociocultural determinants of dissociative disorders'.

Dr Santanu Nath

1. Attended 26th National Conference of the Indian Association for Social Psychiatry (NCIASP), 2019 at AIIMS, Bhubaneswar, India from 29th November to 1st December 2019, and presented a topic in a symposium on "Sociocultural dimensions of Dissociative disorders" and presented on "management of Dissociative disorders and conducted PG Quiz, Young Innovative Teacher Award and Young Innovator Award contests.
2. Attended PG-CME conducted in BIIPbSAR (Bhubaneswar Institute of Interventional Psychiatry, behavioural sciences and Research) on 26th May 2019 as resource person and spoke on "Management of Adverse Effects of antipsychotics: Maudsley Guidelines".
3. Attended training in 'State Level Training of Nursing Officers on Substance Use disorder' held in AIIMS, Bhubaneswar from 21st to 27th October 2019 and spoke on "Alcohol Use disorder" & "Pharmacological management of Alcohol Use disorder.

Dr Rina Kumari

1. Attended 26th National Conference of the Indian Association for Social Psychiatry (NCIASP), 2019 at AIIMS, Bhubaneswar, India from 29th November to 1st December, and presented a free paper on "Mental Health at workplace and risk of substance abuse"
2. Attended Pre-conference workshop on "Change Management and Portfolio Based Teaching, Learning and Assessment" at the Medical Education Conference and Workshop from 23rd to 25th January 2020 organized by the Medical Education Unit, AIIMS, Bhubaneswar.

Resident & Student section

1. Ms Jogamaya Mantri, JRF ICMR presented Free Paper titled "Correlates of depression in patients with type 2 diabetes mellitus and its relationship with diabetes distress and self-management" in the 26th Annual Conference of Indian Association of Social Psychiatry at AIIMS Bhubaneswar 29th November to 1st December 2019.
2. Mr Shaurya Pharasi presented poster titled: 'Prevalence of burnout and its association with resilience in medical students of AIIMS Bhubaneswar' at MECON 2020.

RESEARCH

Funded Projects:

Ongoing:

1. Detection of New Psychoactive Substances among male Substance Abuse Treatment Seekers in India: A Multi-centric Study (Department of revenue, New Delhi)(Ongoing)
Name of the principal investigator: Dr Susanata Ku Padhy
Funding agency: Department of revenue, Ministry of finance
Start year: 2019
Duration: 3 years
Funds – Rs 2 lakh
IEC approval number: T/EMF/Psych/19/48
2. Title of the project. Managing depression in diabetes: A multi-center randomized controlled effectiveness comparison trial of fluoxetine and mindfulness in primary care setting
Name of the principal investigator: Dr Suravi Patra
Funding agency: ICMR
Duration: 3 years, start year: 2018
Funds: Rs. INR 40,21,700
IEC approval number: EMF/Psy/14/18

3. Title of the project. Comparison of maintenance ECT versus Clozapine on psychopathology and regional cerebral blood flow in treatment-resistant schizophrenia: A randomized controlled trial
Name of the principal investigator: Dr Biswa Ranjan Mishra
Funding agency: AIIMS Bhubaneswar
Duration: 1 year
Start year: 2019
Funds: Rs. 3,70,000
IEC approval number: T/IM-F/18-19/38.
4. Title of the project. Comparative efficacy of antidepressant augmentation with Amantadine vs Pramipexole vs Quetiapine in treatment-resistant unipolar depression: A randomized controlled trial
Name of the Principal Investigator: Biswa Ranjan Mishra
Funding agency: ICMR
Duration- 3 years
Start year: 2020
Funds: Rs. 8,70,000
IEC approval number: T/EMF/Psych/19/49

Departmental:**Ongoing:**

1. Perceived stress and coping skills in medical undergraduate students after 2 years: A cross-sectional and observational study.
Name of the Principal Investigator: Dr S K Padhy
Funding agency: Non-funded
Start year: 2020
Duration -2 years
IEC approval number: T/IM-NF/Psych/20/48
2. Title of the project: Help seeking in patients with substance use disorder and co morbid psychiatric illness: Experience from a tertiary health centre in Eastern India.
Name of the Principal Investigator: Dr S K Padhy
Funding agency: Non-funded
Duration – 2 years
Start year: 2020
IEC approval number: T/IM-NF/Psych/20/29
3. Title of the project: Problematic media use and psychosocial health of children of medical and nursing professionals of AIIMS Bhubaneswar
Name of the principal investigator: Dr Suravi Patra
Funding agency: Non-funded
Duration: 1 year
Start year: 2019
Funds: Nil
IEC approval number: T/IM/-NF/Psych/41
4. Title of the project. Intramural research project (MD thesis) titled "Comparative efficacy and safety of low dose Amisulpride Vs Olanzapine-Fluoxetine Combination in the treatment of Post Schizophrenic Depression: A Randomized Controlled".
Name of the principal investigator Dr. Biswa Ranjan Mishra
Funding agency: Non-funded
Duration: 2 years
Start year: 2020
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/26

Completed:

1. Title of the project: Burnout and resilience in medical students.
Name of the principal investigator: Dr Suravi patra,
Funding agency: ICMR (Short Term Studentship)
Duration: Two months Start year: 2019
Funds: Rs.20,000
IEC approval number: IEC/AIIMSBBSR/STS/2019-20-02.

2. Title of the project: Prevalence and determinants of diabetes distress and its relation with self-management in patients with type 2 diabetes mellitus.
Name of the principal investigator: Suravi Patra
Funding agency: Nil
Duration: One year start year: 2019 Funds: Rs.Nil
IEC approval number: T/IM/NF/Psych/19/06.

PUBLICATIONS

1. Menon V, Arafat Y, Akter H, Mukherjee S, Kar SK, Padhy SK. Cross-country comparison of media reporting of celebrity suicide in the immediate week: A pilot study. *Asian Journal of Psychiatry* 2020; 54: PMID: 32674068
2. Naskar C, Grover S, Sharma A, Padhy SK. A comparison of patients with somatic symptom disorder attending psychiatric services and those unwilling to attend psychiatric services. *Asian Journal of Psychiatry* 2020. PMID: 32474346
3. Chauhan N, Padhy SK, Shah R, Malhotra S. Vitamin D deficiency in children with psychiatric illness in a tertiary care hospital in North India. *Journal of neurosciences in rural practice* 2019; 10 (01), 16-20. PMID: 30765965
4. Kohli A, Sharma S, Padhy SK. Authors' Response to the Comments on "Specific Learning Disabilities: Issues that Remain Unanswered". *Indian J Psychol Med.* 2018 Nov-Dec;40(6):591-592. doi: 10.4103/IJPSYM.IJPSYM_389_18. PMID: 30533964
5. Patra S, Patro BK, Padhy SK. Symptom Recognition to Diagnosis: Pathway to Care for Autism in a Tertiary Care Medical Centre. *Journal of Neurosciences in Rural Practice* 2020; 11 (01): 164-169. PMID: 32140022
6. Malik YK, Sharma A, Padhy SK, Adlakha P. West syndrome associated with Multiple Neurodevelopmental Comorbidities. *Journal of Case Reports* 2019; 9 (2): 132-134. <http://dx.doi.org/10.17659/01.2019.0034>
7. Thakur A, Chauhan N, Padhy S. School refusal, depression and suicidality in an adolescent girl- the interplay of stress & vulnerability: A case report. *International Journal of Research in Medical Sciences* 2019;7:3580-2. DOI: <http://dx.doi.org/10.18203/2320-6012.ijrms20193952>
8. Daroach M, Singh A, Padhy SK, Vinay K. Trichotemnomania in a family. *International journal of dermatology* 2019; 58 (8): 961-962. PMID: 30604427
9. Chauhan N, Shah R, Padhy SK, Malhotra S. Relation between temperament dimensions and attention-deficit/hyperactivity disorder symptoms. *Industrial Psychiatry Journal* 2019; 28 (1): 58. DOI:10.4103/ipj.ipj_74_19
10. Patra S, Nebhinani N, Viswanathan A, Kirubakaran R. Atomoxetine for attention deficit hyperactivity disorder in children and adolescents with autism: A systematic review and meta-analysis. *Autism Res.* 2019 Apr;12(4):542-552. PMID: 30653855
11. Patra S. Assessment and management of pediatric depression. *Indian J Psychiatry.* 2019 May-Jun;61(3):300-306. PMID: 31142910
12. Patra S, Naik S, Jha M. Corpus Callosum Agenesis: Neuroanatomical Model of Autism Spectrum Disorder? *Indian J Psychol Med.* 2019 May-Jun;41(3):284-286. PMID: 31142933
13. Patra S, Kumar Patro B. Affiliate stigma among parents of children with autism in eastern India. *Asian J Psychiatr.* 2019 Aug;44:45-47. PMID: 31315059
14. Patra S, Patnaik A. Pediatric moyamoya disease presenting as attention deficit hyperactivity disorder: Time to pay attention. *Indian J Psychiatry.* 2019 Sep-Oct;61(5):544-545. PMID: 31579158
15. Patra S, Patro BK, Padhy SK. Symptom Recognition to Diagnosis: Pathway to Care for Autism in a Tertiary Care Medical Centre. *J Neurosci Rural Pract.* 2020 Jan;11(1):164-169 PMID: 32140022
16. Mishra BR, Nath S, Mishra S, Pattnaik JI, Maiti R. The rare association of rapid eye movement behavior disorder and Fahr's disease: A harbinger for neurodegeneration? *Indian J Psychiatry.* 2020 Jan-Feb;62(1):100-102. PMID: 32001940
17. Mishra A, Maiti R, Mishra BR, Jena M, Srinivasan A. Effect of Repetitive Transcranial Magnetic Stimulation on Seizure Frequency and Epileptiform Discharges in Drug-Resistant Epilepsy: A Meta-Analysis. *J Clin Neurol.* 2020 Jan;16(1):9-18. PMID: 31942753
18. Mishra A, Maiti R, Mishra BR, Jena M, Nath S, Sahu P. Effect of add-on Ramelteon therapy on sleep and circadian rhythm disruption in patients with schizophrenia: A randomized controlled trial. *Eur Neuropsychopharmacol.* 2020Feb;31:109-118. PMID: 31831203
19. Nath S, Mishra BR, Mishra S, Pattnaik JI. Acute Dystonia Following Opioid Withdrawal: An Uncommon Presentation. *Indian J Psychol Med.* 2019 Nov 11;41(6):591-593. PMID: 31772450
20. Mishra BR, Ranjan R, Mohapatra D, Nath S. Risperidone-Induced Tardive Akathisia: A Rare Antipsychotic Side Effect

with Management Issues. *Ann Indian Acad Neurol*. 2019 Oct-Dec;22(4):499-501. PMID: 31736582

21. Mishra S, Nath S, Mishra BR, Pattnaik JI. Euprolactinemic Galactorrhea with Paroxetine: Exploring the Missing Link. *Indian J Psychol Med*. 2019 Jul-Aug;41(4):395-397. PMID: 31391677
22. Mishra BR, Maiti R, Nath S, Sahoo P, Jena M, Mishra A. Effect of Sertraline, Dosulepin, and Venlafaxine on Non-BDNF Neurotrophins in Patients With Depression: A Cohort Study. *J Clin Psychopharmacol*. 2019 May/Jun;39(3):220-225. PMID: 30932945
23. Jena M, Ranjan R, Mishra BR, Mishra A, Nath S, Sahu P, Meher BR, Srinivasan A, Maiti R. Effect of lurasidone vs olanzapine on neurotrophic biomarkers in unmedicated schizophrenia: A randomized controlled trial. *J Psychiatr Res*. 2019 Feb 12;112:1-6. PMID: 30782512
24. Kapur V, Nadella RK, Sathur Raghuraman B, Saraf G, Mishra S, Srinivasmurthy N, Jain S, Del Zompo M, Viswanath B. Clinical factors associated with lithium treatment response in bipolar disorder patients from India. *Asian J Psychiatry*. 2019 Jan;39:165-168. doi: 10.1016/j.ajp.2018.04.006. Epub 2018 Apr 3. PMID: 29636228
25. Saraf A, Nath S. Revisiting Omega and Veraguths sign. *Indian Journal of Psychological Medicine* 2019. doi:10.4103/ijpsym.ijpsym_408_18. PMID: 31142938
26. Nath S, Saraf A, Pattnaik JI. An extreme form of elder self-neglect: Revisiting the diogenes syndrome. *Asian Journal of Psychiatry* 2019;43:216-7. doi:10.1016/j.ajp.2018.10.001. (PUBMED) PMID: 30318305
27. Grover S, Rina K, Malhotra P, Khadwal A. Caregiver Burden in the Patients of Acute Myeloblastic Leukemia. *Indian J Hematol Blo*. 2019;35(3):1-9. DOI: 10.1007/s12288-018-1048-4. PMID: 31388254

PATIENT CARE / HOSPITAL SERVICES

The department is rendering clinical psychiatric services through out-patient, in-patient and special clinics. The department of Psychiatry is running speciality clinics in the afternoon, 4 days a week. The department is running Specialized Psychiatry services in Neuropsychiatry Clinic, Deaddiction clinic, Child and Adolescent Psychiatry clinic and Sleep clinic. We are regularly providing modified ECT to the needful patients. The department is also involved in analysis and reporting of EEG recordings of the institute. The department is currently providing specialist Child Psychiatry services in the Child Guidance Clinic. Clinical services provided in terms of assessment as well as management of the entire range of childhood psychiatric disorders which includes neuro-developmental disorders, anxiety disorders, mood disorders and psychotic disorders. Specialist structured psychiatric assessment is provided using structured psychiatric rating scales and management comprises of parental counselling, psychotherapy, behaviour therapy and pharmacotherapy. Drug deaddiction services for Alcohol and substance use disorder are being regularly provided at both IPD and OPD levels, with recent beginning of Deaddiction special clinic.

In the current years 5599 new patients and 11988 old patients were seen in General Psychiatry OPD. 386 patients were attended in Child Guidance Clinic, 974 patients in Neuropsychiatry Clinic, 811 patients in Deaddiction Clinic and 171 patients in Sleep Clinic. We had 391 admissions in the psychiatry in patient unit. 651 modified ECTs were administered to patients with various difficult to manage psychiatric disorders.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Susanta Kumar Padhy

1. M. Murugappan Award for a scientific presentation on "Influence of Religiosity and Spirituality on suicide attempts in patients with first episode depression" at Annual National Conference of Indian Psychiatric Society (ANCIPS), Lucknow, on 3rd Feb 2020.
2. Professor M C Mishra Memorial Award for the Best Case Report "Arachnoid cyst- an innocent bystander or a harbinger of a tornado?" published in *Odisha Medical Journal* by Indian Medical Association (IMA), Odisha State Branch during the 71st Annual State Conference (IMACON Odisha 2020) on 15th and 16th February 2020 at Jharsuguda, Odisha.
3. Co-awardee for Smt. Shweta Tiwari memorial Award for the year 2019 of Indian Association of Geriatric Mental Health at Imphal Manipur in the month of September, 2019 (Awardee were Dr Swapnajeet Sahoo and Dr Sandeep Grover) in ANCIPS 2019, Kolkata

Residents Section

1. Young Innovator award for home based care in SMDs on the occasion of the National CME on "Strengthening Home-based care for Severe Mental Disorders in General Hospital Settings", organized by the Department of Psychiatry and NDDTC, AIIMS, New Delhi, in association with Indian Association for Social Psychiatry (IASP) on 27th April 2019.
2. Co-awardee for best poster award in the Indian medical Association-odisha Chapter state conference for best poster award on a paper titled "Arachnoid cyst-an innocent by stander or a harbinger of a tornado? in 71st annual conference of IMA Odisha state branch held during 15th and 16th February 2020 at Jharsuguda. (the awardee was Dr Tanu Kumari)

Dr Biswa Ranjan Mishra

1. Dr Biswa Ranjan Mishra received Late Prof. Bimbadhar Das Memorial award for his paper "Efficacy of Carbamazepine and Oxcarbazepine on serum neuron specific enolase levels in focal seizures- A randomized controlled trial" at Puri on 2nd and 3rd November 2019.

Dr. Suravi Patra

1. Dr Suravi Patra was awarded membership of the prestigious National Academy of Medical Sciences on 12th Oct 2019 at National Academy of Medical Sciences Conference held at AIIMS Bhopal.
2. Mr Sharya Pharasi won the best poster presentation award at MECON 2020 held at AIIMS Bhubaneswar from 23rd to 25th Jan 2020.
3. Dr Suravi Patra is the Associate Editor of Journal of Indian Association of Child and Adolescent Psychiatry.



PULMONARY MEDICINE
& CRITICAL CARE

PULMONARY MEDICINE & CRITICAL CARE

FACULTY

Dr Prasanta Raghav Mohapatra
Professor

Dr Manoj Kumar Panigrahi
Additional Professor

Dr Sourin Bhuniya
Additional Professor

Dr Shakti Bal
Assistant Professor

HIGHLIGHTS

The department of Pulmonary Medicine and Critical Care has established itself as a centre for comprehensive respiratory care, catering to patients from all parts of Odisha and the neighbouring states. It is also the only department from Eastern India to provide super speciality degree course in 'Pulmonary Critical Care and Sleep Medicine.' The department is equipped with Endobronchial Ultrasound (EBUS) guided Trans-bronchial Needle Aspiration (TBNA) facility which is not only the first in Odisha, but also the first in Eastern India among Govt sectors. The department has already earned a place for itself as a 'point of care' centre among the select few in India for the diagnosis and treatment of Lung cancer under the guidance of a certified Medical Oncologist. The total number of lung cancer cases diagnosed and managed in the department has reached close to 1000. The department has published eleven papers in 'Pubmed' indexed Journals and has research presentations at one of the most prestigious International conferences to its credit. The faculty have become members of the editorial board of leading National Journals. Respiratory ICU (RICU) has started separately, adjacent to the pre-existing Pulmonary Medicine ward at the 4th floor of H-block. The other services started during this year include medical Thoracoscopy and the new Polysomnography lab.

EDUCATION

The department is actively involved in providing quality undergraduate and post-graduate teaching. Regular theory classes and bedside clinical teaching, as and when allotted, are carried out by all the faculty and senior residents. The interns posted in our department are also taught about different diagnostic procedures and clinical cases and they are assigned a topic for presentation before their completion of posting. Super speciality degree course (DM) in 'Pulmonary Critical Care and Sleep Medicine' in the pattern of AIIMS, New Delhi has started since July 2017 and two batches of students (three students) have joined this year. Apart from regular bedside clinical teaching, seminars are held thrice every week in the form of Journal club, case presentations and topic seminars for the post graduate students. Besides, inter-departmental education programmes like clinico-pathological meet and radiology meet are also held with the department of Pathology and Radiodiagnosis from time to time. Besides, review of mortality is done on monthly basis, in order to find answers to the unanswered questions and, as a quest to improve the services provided to the patients.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Prasanta Raghav Mohapatra

1. Participated as Indian representative of National College of Chest Physician to the American Thoracic Society 2019 International Conference (ATS-2019) held on 17th-22th May 2019 in Dallas USA and presented a paper (poster) 'Epidemiology of Classic Driver Oncogene Mutations and Its Relation with Thyroid Transcription Factor-1 (TTF-1) in Lung Cancer Patients: Data from an Eastern Indian Hospital. B69. Thoracic Oncology: Optimizing Diagnosis and Management, A3986-A3986."
2. Participated in Conference of Chest Imaging and Interventions, 12 to 13.4.2019 at CMC, Vellore, Annual conference of Society of Chest Imaging and Interventions (SCII)
3. Participated in the 50th Union World Conference on Lung Health IUATLD (International Union against Tuberculosis and Lung Disease) conference from 30.10.2019 to 2.11.2019 and presented a paper (poster) titled, "Diagnostic value of Gene XPert MTB/RIF from Broncho-Alveolar Lavage fluid in sputum-scarce or smear-negative suspected Pulmonary Tuberculosis patients."
4. Participated in NAPCON (Joint National Conference of Indian Chest Society & National Colleges of Chest Physicians) 22-24.11.2019 as faculty in the panel discussion 'Case discussion and Management of Lung Cancer'.
5. Participated 7th Annual Conference of RSSDI (Research Society for Study of Diabetes in India) Odisha State Chapter at Bhubaneswar on 17th August 2019 and delivered an invited talk on "Non-Tubercular Chest Infections in Diabetes Mellitus"
6. Participated BIPCON,2019 (Bihar Pulmonology Conference) on 20th October 2019 at IGMC, Patna and delivered talk on "Management of Advanced stage Lung Cancer".

7. Participated in the 16th Annual CHESTCON 2020 under the aegis of Odisha Chest Society, organized at Kalinga Institute of Medical Sciences (KIMS), Bhubaneswar on 11th-12th January, 2020 and delivered talk on "Approach to Interstitial Pulmonary Fibrosis and role of Nintedanib"
8. Participated as Faculty for Indo Oncology Summit-2019 on 15th-17th November 2019 at Bhubaneswar as panellist for "Lung Cancer Management", Moderated by Prof R. K. Deshpande (Padmashree), Mumbai.
9. Participated in the World No Tobacco Day -2019 on 31st May 2019 at Conference Hall of SIHF (State Institute of Health & Family Welfare), Bhubaneswar and delivered talk on "Role of and preventive aspect of Lung Disorder among tobacco Smoker"
10. Participated in the 42nd ICON (Indian Cooperative Oncology Network) at Hyderabad on 14.03.2020 -15.03.2020 as panellist for "Targeted Treatment for Lung Cancer Management".

Dr Sourin Bhuniya

1. Attended SIMVENT (Simulator based course on Mechanical Ventilation) 2019 workshop, on 2nd and 3rd August 2019 at Bhubaneswar.
2. Attended PULMOCON (Pulmonary Conference) 2019 on 14th and 15th September 2019, participated as a panellist in the panel discussion on 'COPD beyond bronchodilators'
3. Participated as a faculty in the workshop for nurses on 'Management of substance use disorder' and delivered a lecture on 'Health consequences of smoking' on 25th October 2019 at AIIMS Bhubaneswar.
4. Participated as a faculty in the annual state conference, CHESTCON (Chest Conference) 2020 on 11th and 12th January at KIMS Bhubaneswar and delivered a lecture on 'What is new in the management of COPD?'
5. Participated as a Guest faculty in the annual state conference of the Association of Chest Physicians (WB), ACPCON 2020 on 22nd and 23rd February at Kolkata and delivered a lecture on 'Pleural Mesothelioma - an update'

Dr Manoj Kumar Panigrahi

1. Attended the European Respiratory Society Congress held between 27th September - 2nd October 2029 at Madrid, Spain and presented paper titled 'Sleep quality, asthma control and quality of life in adults with asthma-A cross-sectional study'.
2. Participated 16th Annual CHESTCON 2020 under the aegis of Odisha Chest Society was organized at Kalinga Institute of Medical Sciences (KIMS), Bhubaneswar on 11th-12th January, 2020 and Delivered a lecture titled 'convex probe EBUS – an overview'

RESEARCH

Funded Projects:

Ongoing :

1. Title of the project: Phase III, Randomized, Double-blind, Placebo controlled Trial to Evaluate the Efficacy and Safety of VPM1002 and Immuvac Vaccines in Preventing Tuberculosis (TB) in Healthy Household Contacts of Newly Diagnosed Sputum Positive Pulmonary TB Patients
Name of the principal investigator : Prasanta Raghav Mohapatra
Funding agency: ICMR
Duration, start year: Duration 4 years, Dec 2019
Funds: Rs.2.6 crore
IEC approval number: T/EMF/PulMed/19/01 dated 13.6.2019
2. Title of the project: Diagnosis of pneumonia and respiratory illnesses using digital stethoscope and algorithm in children and adults
Name of the principal investigator: Dr Sourin Bhuniya
Funding Agency: Inclen Trust International
Duration, start year: : Six months, 2019
Funds: Rs. 1,15,500/-
IEC Approval No.: T/EMF/Pul.med/18/26
3. Title of the project: Relationship between the radiologic severity of bronchiectasis and pulmonary hypertension among adults with bronchiectasis
Name of the principal investigator: Manoj Kumar Panigrahi
Funding agency: AIIMS, Bhubaneswar
Duration, start year: One year, 2019
Funds: Rs. 377320/-
IEC approval number: T/IM-F/18-19/04 dated 22.1.2019

Departmental projects:**Ongoing :**

1. Title of the project: is "Comparison of Diagnostic Yield and Complications in Ultrasound Guided Closed Pleural Biopsy Versus Thoracoscopic Pleural Biopsy in Undiagnosed Exudative pleural effusion, a randomized controlled trial
Name of the principal investigator:: Dr Prasanta Raghav Mohapatra (Student: Gopal Durgeshwar)
Name of the funding agency: Not applicable
Duration, start year: 14 months, 2019
Funds: Not applicable
IEC approval No: IEC/AIIMS BBSR/PG Thesis/2019-20/36
2. Title of the project: "Comparison of clinico-radiological features, decline in lung function and clinical course of COPD among smokers and non-smokers : A prospective observational study"
Name of the principal investigator:: Dr Sourin Bhuniya (Student: V Raja Manohar Acharyulu)
Name of the funding agency: Not applicable
Duration, start year: 14 months, 2019
Funds: Not applicable
Ref No: IEC/AIIMS BBSR/PG THESIS/2019-20/45
3. Title of the project: Role of dextromethorphan premedication versus placebo in alleviation of cough during flexible bronchoscopy in adults: A randomized controlled trial.
Name of the principal investigator: Dr Manoj Kumar Panigrahi (Student: Anand Dutta)
Name of the funding agency: Not applicable
Duration, start year: 18 months, 2020
Funds: Not applicable
IEC approval No: IEC/AIIMS BBSR/PG Thesis/2019-20/89

PUBLICATIONS**A. List of papers published in Journals**

1. Mohapatra PR, Behera B, Mohanty S, Bhuniya S, Mishra B. Melioidosis. *Lancet Infect Dis.* 2019 Oct;19(10):1056-1057. doi: 10.1016/S1473-3099(19)30480-3. PubMed PMID: 31559958.
2. Mishra B, Mohapatra PR. Expand the RRDR hotspot to improve GeneXpert results. *Int J Tuberc Lung Dis.* 2019 Sep 1;23(9):1043. doi: 10.5588/ijtld.19.0103. PubMed PMID: 31657297.
3. Mahapatra A, Mohapatra PR, Choudhury S, Deep N. Empyema caused by *Myroides odoratimimus* in a patient with liver abscess. *Lung India.* 2019 Sep-Oct;36(5):459-460. doi: 10.4103/lungindia.lungindia_42_19. PubMed PMID: 31464224;
4. Sahoo S, Mohapatra PR, Das Majumdar SK, Chhatria M. Cystic transformation of cannon ball metastases in response to EGFR TKI. *Adv Respir Med.* 2019;87(3):199-200. doi: 10.5603/ARM.2019.0032. PubMed PMID: 31282564.
5. Behera B, Mohanty S, Mahapatra A, Hallur VK, Mishra B, Dey A, Kumar R, Mishra TK, Sasmal PK, Sinha M, Mohapatra PR, Panigrahi MK, Preetam C, Das RR. Melioidosis in Odisha: A clinico-microbiological and epidemiological description of culture-confirmed cases over a 2-year period. *Indian J Med Microbiol.* 2019 Jul-Sep;37(3):430-432. doi: 10.4103/ijmm.IJMM_19_367. PubMed PMID: 32003346.
6. Aggarwal AN, Agarwal R, Dhooria S, Prasad KT, Sehgal IS, Muthu V, Singh N, Behera D, Jindal SK, Singh V, Chawla R, Samaria JK, Gaur SN, Agrawal A, Chhabra SK, Chopra V, Christopher DJ, Dhar R, Ghoshal AG, Guleria R, Handa A, Jain NK, Janmeja AK, Kant S, Khilnani GC, Kumar R, Mehta R, Mishra N, Mohan A, Mohapatra PR, Patel D, et al. Joint Indian Chest Society-National College of Chest Physicians (India) guidelines for spirometry. *Lung India.* 2019. Apr;36(Supplement):S1-S35. doi: 10.4103/lungindia.lungindia_300_18. PubMed PMID: 31006703;.
7. Sahoo S, Panigrahi MK, Naik S, Mohapatra PR. Rasmussen's aneurysm masquerading as mass lesion. *BMJ Case Rep.* 2020 Feb 16;13(2). pii: e232669. doi: 10.1136/bcr-2019-232669. PubMed PMID: 32066578
8. Sahoo S, Sirka CS, Majumdar SKD, Mohapatra PR. Gefitinib-induced pyogenic granuloma in a patient with lung cancer. *Lung India.* 2020 Jan-Feb;37(1):71-72. doi: 10.4103/lungindia.lungindia_277_19. PMID: 31898626.
9. Jagaty SK, Rahman M, Dhanurdhar Y, Mohapatra PR. An unusual case of right upper zone pneumonic patch. *Adv Respir Med.* 2020;88(2):160-161. doi: 10.5603/ARM.2020.0092. PMID: 32383470 .
10. Sahoo S, Naik S, Mishra B, Durgeshwar G, Panigrahi MK, Bhuniya S. Tuberculous splenic abscess in the immunocompetent host: a report and review of literature. *Monaldi Arch Chest Dis;* 2020 Feb 18;90(1). doi: 10.4081/monaldi.2020.1167. PMID: 32072799

B. List of abstracts published in Journals:

1. Mohapatra PR, Bhuniya S, Panigrahi MK, Sahoo S, Patra S, SK Bal SK, Mishra P. Epidemiology of Classic Driver

Oncogene Mutations and Its Relation with Thyroid Transcription Factor-1 (TTF-1) in Lung Cancer Patients: Data from an Eastern Indian Hospital. B69. Thoracic Oncology: Optimizing Diagnosis and Management, A3986-A3986. American Thoracic Society Meeting. May 2019, Dallas USA

2. Mohapatra PR, Rath S, Firdouss S, Purohit G, Mishra B, Bal SK, Panigrahi MK, Bhuniya S. Diagnostic value of Gene XPert MTB/RIF from Broncho-Alveolar Lavage fluid in sputum-scarce or smear-negative suspected Pulmonary Tuberculosis patients The International Journal of Tuberculosis and Lung Disease (IJTLD), 2019.
3. Rahman Mujeeb KK, Mohapatra PR, Panigrahi MK, Bhuniya S, Purkait S. Endobronchial ultrasound guided transbronchial needle aspiration cytology and cellblock in evaluation of mediastinal lymphadenopathy in adults—An initial experience from Eastern Indian Hospital. European Respiratory Journal 54 (suppl 63) 2019.
4. Panigrahi MK, Padhan M, Mohapatra PR. Sleep quality, asthma control and quality of life in adults with asthma-A cross-sectional study. European Respiratory Journal 54 (suppl 63), 2019
5. Sahoo S, Mohapatra PR, Patra S, Bhuniya S, Panigrahi MK, P Mishra P. Small Cell Lung Cancer (SCLC): An Experience from Eastern India. B69. Thoracic Oncology: Optimizing Diagnosis and Management, A3984-A3984. American Journal of Respiratory and Critical Care Medicine. May 2019.

PATIENT CARE

The department caters to patients coming from various parts of Odisha and neighbouring states of eastern India. The outpatient department functions six days per week and on an average about 100 patients visit every day with various respiratory ailments. Besides, special clinics like Sleep clinic and lung cancer clinic run on weekly basis. The Pulmonary Medicine ward with 28 beds at H+4 level became functional since October 2018. The Respiratory ICU was functional since 2019 (inaugurated by Union Health Minister on 25.12.2019). The department provides inpatient care to all categories of respiratory diseases including critically ill patients, who require mechanical as well as non-invasive ventilation in the existing central ICU and the four bedded HDU in the ward. The department is one among the select few centres in India to provide point of care management of lung cancer and the number of lung cancer patients exceeded 400 this year. Lung cancer chemotherapy is being administered under the guidance of certified Medical Oncologist in our department for more than a year adhering to international standards. The department provides various diagnostic and therapeutic services like thoracentesis, tube thoracostomy, chemical pleurodesis, spirometry, flexible bronchoscopy, thoracoscopy, percutaneous lung biopsy and polysomnography on a regular basis for a wide spectrum of respiratory diseases. The department is the first in the state to start Endobronchial Ultrasound (EBUS) guided trans-bronchial needle aspiration (TBNA) for diagnosis and staging of lung cancer and other non-malignant conditions. The new services started during this year include: Respiratory ICU, Medical Thoracoscopy and the new sleep lab.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr Prasanta Raghav Mohapatra

1. Awarded Diploma of FRCP (London) during convocation of Royal College of Physicians held on 10th September 2019 at London
2. Passed with 77% marks in exam held by NIE (ICMR) and NPTEL (IIT Chennai) at test centre on the course 'Health Research Fundamentals' (completed the course), Silver Elite certificate signed by Secy DHR cum DG ICMR, Govt of India.
3. Thoracic Ultrasound Workshop at CMC Vellore, 28-29.8.2019, CMC, Vellore
4. Point of Care Ultrasound in acute care POCUS:2020 workshop on 18-19.1.2020
5. Member of White Paper on Adult Vaccination (Jointly by Association of Physician of India, MoHFW, and other Important associations).
6. Subject expert and member of selection to RMRC-ICMR Bhubaneswar.
7. Editorial Board Member of the official Journal of the Indian Chest Society 'Lung India'
8. Editorial Board Member of the official Journal of the National College of Chest Physicians (Indian Journal of Chest Diseases and Allied Sciences)
9. Elected as Vice President of Indian Society of Study of Lung Cancer and Executive member of National College of Chest Physicians
10. Continued as elected executive body member of National College of Chest Physicians, Vallabh Bhai Chest Institute (VPCI), University of Delhi till November 2019
11. Member of formulation Guidelines for Nebulization Therapy

Fellows of Different Medical Societies

12. Fellow of Royal College of Physicians (London), FRCP(London)
13. Fellow of Royal College of Physicians (Glasgow), FRCP(Glasg)
14. Fellow of American College of Chest Physicians (FCCP), USA
15. Fellow of Indian College of Physicians (FICP) – Life Fellow
16. Fellow of the Asian Pacific Society of Respirology (FAPSR)
17. Fellow of National College of Chest Physicians (India), FNCCP
18. Fellow of Indian Association for Bronchology (Life Fellow-016) FIAB
19. Fellow of International Medical Sciences Academy (FIMSA)
20. Fellow of Indian College of Allergy Asthma and Applied Immunology (FCAI)
21. Fellow of Academy of Pulmonary Sciences (FAPS)
22. Fellow of Indian Sleep Disorder Association (FISDA)
23. Fellow of Indian Chest Society (FICS)

Sourin Bhuniya

1. Assistant editor, the Journal of Association of Chest Physicians
2. Fellow of the American College of Chest Physician (FCCP)
3. Fellow of the Asian Pacific Society of Respirology (FAPSR)
4. Member of National Academy of Medical Sciences (MAMS)
5. Member of European Respiratory Society (ERS)
6. Member of Indian Chest Society (ICS)
7. Member of National College of Chest Physicians (NCCP)
8. Member of Indian Sleep disorders Association (ISDA)
9. Member of Indian Association of Bronchology (IAB)
10. Member of Indian Association of the Study of Lung Cancer (IASLC)

Manoj Kumar Panigrahi

1. Fellow of the American College of Chest Physician (FCCP)
2. Fellow of the Asian Pacific Society of Respirology (FAPSR)
3. Member of National Academy of Medical Sciences (MNAMS)
4. Member American Thoracic Society
5. Member of European Respiratory Society (ERS)
6. Member of Indian Chest Society (ICS)
7. Member of International Association for Study of Lung Cancer
8. Member of European Society of Intensive Care Medicine
9. Member of Infectious Disease Society of America
10. Member of Indian Society for Study of Lung Cancer (ISSLC)

Senior Resident:

Dr Satyajeet Sahoo got ICMR Travel Award for presenting scientific paper entitled 'Small Cell Lung Cancer (SCLC): An Experience from Eastern India'. in American Thoracic Society (ATS) Meeting. 17th-22nd May 2019, Dallas USA.



Inauguration of Polysomnography and Thoracoscopy lab in the Pulmonary Medicine Ward at H+4 level on 15th July 2019 by the esteemed Director, Prof. Gitanjali Batmanabane



Inauguration of the Respiratory ICU and ICU Complex on 25th December 2019, by the Honourable Health Minister, Dr Harsh Vardhan



Prof Prasanta R Mohapatra receiving 'Diploma of FRCP' 10.09.2019 at Convocation of Royal College of Physicians, London



RADIODIAGNOSIS

RADIODIAGNOSIS

FACULTY

Dr. Nerbadyswari Deep (Bag)
Professor & Head

Dr. Sudipta Mohakud
Assistant Professor

Dr. Suprava Naik
Associate Professor

Dr. Biswajit Sahoo
Assistant Professor

HIGHLIGHTS

The department of Radiodiagnosis is the backbone of the Hospital. It provides all types of diagnostic and therapeutic services to the patients of Odisha and its neighboring states with its well-equipped state of the art equipment despite less manpower 24x7. The department is actively engaged in patient services, research, academic activities, and teaching. The major highlights are Postgraduate (M.D.) training- Eight students, B.Sc radiography training – Thirty students. Our 3 Tesla MRI was inaugurated on 15th July 2019 by Hon'ble' M.P. Mrs. Aparagita Sarangi, providing services to COVID patients. We got the Best department prize on the 7th annual day of AIIMS Bhubaneswar. The first postgraduate (M.D.) examination was successfully conducted in 2019. Two MTR students qualified in MSc courses in the reputed institutes like AIIMS, New Delhi, and BARC. Inauguration of the digital radiography with fluoroscopy (DRF) by the Hon'ble health minister Dr. Harshvardhan. Convocation of the first M.D. and MTR batch - One MTR student was awarded a gold medal for academic excellence. Two senior residents cracked NEET, 2019 for D.M. interventional radiology. The department started performing therapeutic endovascular interventional procedures under Digital Subtraction Angiography (endovascular coiling of hepatic and splenic artery pseudoaneurysm, and TACE) Therapeutic non-vascular interventional procedures (percutaneous drainage, percutaneous nephrostomy in sick COVID positive patients, and percutaneous transhepatic biliary drainage procedures) Dedicated services to COVID patients- bedside Ultrasonography/ X-rays, CT and MRI of admitted (ward and ICU) patients and emergency services to COVID patients round the clock.

EDUCATION

The department is running Postgraduate (M.D., Radiodiagnosis) and BSc Radiography (MTR) course. The faculties are actively involved in intra and interdepartmental academic activities. All the faculty members of the department are involved in teaching-learning activities and evaluation process of P.G., MBBS, BSc (MTIT) and B. Sc. (Hons.) Nursing students. Departmental academic activities are - Journal club (Biweekly), Case presentation (once a week), Seminar (once a week), MTR classes (Theory and Practical), MBBS classes, Interdepartmental meets with departments of Neurology and Neurosurgery, Haemato-oncology, Cardiology, Gastroenterology, Paediatrics, Surgical Oncology. Basic research methodology & biostatistics attended by M.D. students, Post graduate Students attended Mini Fellowship in chest imaging, Mumbai from 10th-12th October 2019. Our MTR students participated and cleared the examination in the radiology upskilling program level – 1 including four modules conducted by Siemens Healthineers.

CMES/ WORKSHOPS/ SYMPOSIA/ NATIONAL AND INTERNATIONAL CONFERENCES

Dr. Nerbadyswari Deep (Bag), Professor & Head

1. Attended international conference MECON-2020 at AIIMS, Bhubaneswar from 23rd to 25th January 2020.
2. Attended international conference "ASOMACON-2019" being held from 15th to 17th November 2019 at AIIMS Bhubaneswar and conducted workshop in USG guided biopsy in breast lesions.
3. Chaired a session in the national conference on Breast Cancer Updates – 2019 at Bhubaneswar on 27th July 2019.
4. Participated in 47th Annual state conference of Odisha radiological and Imaging association from 11th to 12th January 2020 and presented a poster titled "Spectrum of cortical malformation"

Dr. Suprava Naik, Associate Professor

1. Attended international conference "ASOMACON-2019" being held from 15th to 17th November 2019 at AIIMS Bhubaneswar and chaired a session and conducted workshop in USG guided biopsy in breast lesions.
2. Attended 3rd National Workshop on R for Basic Biostatistics held from 24th to 27th September 2019 at AIIMS, Bhubaneswar.
3. Attended national conference on Breast Cancer Updates-2019 at Odisha on 27th July 2019.
4. Attended workshop on "Effective medical literature search" held on 27th April 2019 at AIIMS, Bhubaneswar.
5. Attended 47th Annual state conference of Odisha radiological and Imaging association from 11th to 12th January, 2020 and presented a poster titled- "Amyand hernia and inguinal bladder hernia: rare presentations of a common disease".

Dr. Sudipta Mohakud, Assistant Professor

1. Invited as a faculty, chaired 2 sessions, and conducted workshop on breast biopsy in the 3rd annual international conference of the Asian Society of Mastology, ASOMACON-2019 organized in AIIMS Bhubaneswar from 15th to 17th November, 2019.
2. Invited as a faculty in the CME on Interstitial Lung Disease organized by the Department of Radio-diagnosis, SCB medical college, Cuttack on 15th September, 2019. Conducted 2 sessions, one was "Basics of HRCT physics & protocol" and the other was "Case based approach to ILD (Interactive Session)"
3. Participated in the Workshop on Introduction to EHR Standards held at AIIMS, Bhubaneswar on 21st August, 2019.
4. Attended national conference on Breast Cancer Updates-2019, ODISHA on 27th July 2019.
5. Attended Workshop on Effective Medical Literature Search organized in AIIMS, Bhubaneswar on 26th April 2019.
6. Attended short term observership in Interventional Radiology in CMC, Vellore from 15th to 20th April 2019.
7. Presented a poster in 47th Annual state conference of Odisha radiological and Imaging association (11th and 12th January, 2020) titled- Headache to hyperhomocystinemia – contribution of radiology in reaching the final diagnosis.
8. Presented a poster in Asian Society of Mastology, ASOMACON-2019 from 15th to 17th November, 2019 titled - Indications and findings of mammography – Experience from an eastern Indian tertiary care institute.
9. Presented posters in Asian Society of Mastology, ASOMACON-2019 from 15th to 17th November, 2019. Titled - Clinical profile of breast cancer patients undergoing surgery at a tertiary cancer centre in Odisha., Relation between BMI and tumor aggressiveness in breast cancer patients & Association between molecular subtypes of breast cancer and axillary nodal metastasis.

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

1. Title of the project: - Role of multiparametric MRI in differentiating benign and malignant causes of non-specific gall bladder wall thickening
Name of the principal investigator: - Dr Sudipta Mohakud, Assistant Professor
Funding agency: -AIIMS Bhubaneswar
Duration: -2 years
start year: 2018
Funds: Rs. 2,29,600/-
IEC approval number: T/IM-F/18-19/21

Completed:

1. Title of the project: - M.R. Imaging in CNS Tuberculosis
Name of the principal investigator: - Dr Suprava Naik, Associate Professor
Funding agency: -AIIMS Bhubaneswar
Duration: -2 years
start year: 2017
Funds: Rs. 3,36,000/-
IEC approval number - T/IM-F/17-18/41

PUBLICATIONS

1. Naik S, Bhoi SK. Association of venous varix and developmental venous anomaly: report of a case and review of literature. *BMJ Case Rep.* 2019 Mar 12;12(3):e228067. doi: 10.1136/bcr-2018-228067. PMID: 30862669; PMCID: PMC6441273.
2. Mohakud S, Juneja A, Lal H. Abdominal cocoon: preoperative diagnosis on CT. *BMJ Case Rep.* 2019 May 31;12(5):e229983. doi: 10.1136/bcr-2019-229983. PMID: 31154350; PMCID: PMC6557312.
3. Mohakud S, Ray B, Naik S, Deep N. Isolated Sacral Vertebral Hydatid Cyst Presenting with Pathological Fracture. *J Neurosci Rural Pract.* 2019 Jul;10(3):565-566. doi: 10.1055/s-0039-1695700. Epub 2019 Sep 4. PMID: 31595136; PMCID: PMC6779558.
4. Naik S, Bhoi SK, Panigrahi K, Deep N. Segmental spinal dysgenesis: A rare congenital spinal malformation. *Indian J Radiol Imaging.* 2019 Oct-Dec;29(4):480-481. doi: 10.4103/ijri.IJRI_195_19. Epub 2019 Dec 31. PMID: 31949358; PMCID: PMC6958884.

5. Mohakud S, Deep N, Naik S. Acute Syringomyelia: A Complication of Tubercular Meningitis. J Pediatr Neurosci. 2019 Jan-Mar;14(1):57-58. doi: 10.4103/jpn.JPN_16_19. PMID: 31316647; PMCID: PMC6601118.
6. Naik S, Bhoi SK, Agarwal V, Kumar S, Phadke RV. Perfusion MRI may facilitate the diagnosis of a tumefactive demyelinating lesion. Neurol India. 2019 May-Jun;67(3):908-910. doi: 10.4103/0028-3886.263196. PMID: 31347587.

PATIENT CARE / HOSPITAL SERVICES

- A. **The department started performing therapeutic endovascular interventional procedures under Digital Subtraction Angiography (DSA) guidance.**
 1. Department successfully performed therapeutic endovascular coiling of post-traumatic hepatic artery pseudoaneurysm.
 2. We performed trans-arterial chemoembolization (TACE) in case of hepatocellular carcinoma.
 3. Angiography and intervention to treat splenic artery pseudoaneurysm in a case of pancreatitis.
- B. **The department performed major therapeutic non-vascular interventional procedures under DSA/ Ultrasonography and digital fluoroscopy guidance.**
 1. We perform percutaneous transhepatic biliary drainage (PTBD) procedures this year in cases of malignant biliary obstructions under DSA guidance.
 2. During difficult COVID times when patients are denied admissions outside, we performed PCD of a large infected pancreatic pseudocyst
 3. C.T. guided biopsies
 4. USG guided biopsies and FNACs
- C. The Department is successfully providing nonstop dedicated services in the form bedside Ultrasound, bedside X-rays, CT and MRI of admitted (ward and ICU) patients and emergency radiological services to COVID patients with the help of a dedicated team of radiographers and radiologists round the clock.
- D. A rare congenital anomaly (fetal ovarian cyst) detected antenatally in our department and successful operated.

Radiological Investigation done

Sl No	Name of the Modalities/Investigations	Total Investigation Done
1.	X-Rays (department & bedside)	82078
2.	CT Scan	29941
3.	USG & C.T. Guided Procedures	16868
4.	CT Angiography	500
5.	Mammography	417
6.	MRI	7350
7.	DSA Guided Procedure	11
8.	Antenatal Sonography	405



Inauguration of the digital radiography with fluoroscopy (DRF) by the Hon'ble health minister Dr. Harshvardhan



Inauguration of our 3 Tesla MRI onsite by our President & Director



3 Tesla MRI got the best OPD Prize



Interventional radiological procedures under DSA were started in the department of Radiodiagnosis



Dr. Sudipta Mohakud, delivered lectures on in CME on Interstitial Lung Disease organised by the Department of Radio-diagnosis, SCB medical college, Cuttack on 15.09.2019



RADIOTHERAPY

RADIOTHERAPY

FACULTY

Prof. Dillip Kumar Parida
Professor & Head

Dr. Saroj Kumar Das Majumdar
Additional Professor

Dr. Sandip Kumar Barik
Assistant Professor

HIGHLIGHTS

The department has started a B.Sc. (MTRT) course from year 2019. Faculty members of the department are actively involved in patient care, teaching and training, research and administrative activities. The department has started formalized techniques of precision radiotherapy like stereotactic radiosurgery and radiotherapy for cancer patients attending at AIIMS, Bhubaneswar. Faculty members have also participated in different public awareness programs and health camps held by AIIMS, Bhubaneswar such as Cancer Awareness and Health Camp for Puri district. Department also organised a "Breast Cancer Updates-2019".

EDUCATION

The department is involved in various undergraduate and post graduate teaching activities.

1. Post graduate
2. Undergraduate
3. B.Sc. Nursing
4. MTRT
5. DMLT

Various teaching activities like seminars, bed side clinics, Multidisciplinary cancer clinics and Cancer Education and Learning (CEAL) for residents are conducted by faculties.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Prof. D. K. Parida

1. Participated as delegate in 3rd ASOMA from 15th to 17th November 2019 at AIIMS, Bhubaneswar and presented a session on " Radiotherapy in Breast Cancer Treatment" and chaired a session on "Innovations in Breast Cancer management".
2. Participated in 2nd Indo Oncology on 16th November 2019 at Bhubaneswar and presented a talk on "LABC Management".
3. Attended a Combined Cancer Clinic at Wollongong Hospital, Wollongong, Australia on 14th May 2019 and presented a guest lecture on " Management of Head & Neck Cancers; Indian Perspectives".
4. Participated in 3rd Annual Precision Oncology & International Breast cancer Conference from 11th to 13th October 2019 at Jaipur and chaired the debate Session " Locally advanced GEJ cancer".
5. Participated in Breast Cancer Update-2019 at Bhubaneswar from 27th July 2019 and chaired a session on "Breast Conservation" Session.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project: Hospital based cancer Registry-data management, National Centre for Disease Informatics and Research
Name of the principal investigator: Dr S. K. Das Majumdar
Funding agency: ICMR
Duration: 5 year
Start year:
Funds: Rs. -
IEC approval number: T/EM-F/Radio/17/23
2. Title of the project: Efficacy and safety of Intas Denosumab in Comparison with Xgeva in patients with solid tumours with bone metastasis.
Name of the principal investigator: Dr S. K. Das Majumdar
Funding agency: Multicentric trial by Intas Pharmaceutical
Duration: One and half years
Start year: June 2019

Funds: Rs. – NA
IEC approval number: T/EM-F/Radio/17/23

PUBLICATIONS

1. Subramanian S, Majumdar SKD, Biswas G, Joshi N, Bungler D, Khan MA, Ahmad I. Efficacy and safety of nanosomal docetaxel lipid suspension based chemotherapy in gastric and gastroesophageal junction adenocarcinoma. *Mol Clin Oncol.* 2020 Sep;13(3):14. doi: 10.3892/mco.2020.2084. Epub 2020 Jul 6. PMID: 32754328; PMCID: PMC7391841.
2. Subramanian S, Prasanna R, Biswas G, Das Majumdar SK, Joshi N, Bungler D, Khan MA, Ahmad I. Nanosomal Docetaxel Lipid Suspension-Based Chemotherapy in Breast Cancer: Results from a Multicenter Retrospective Study. *Breast Cancer (Dove Med Press).* 2020 May 22;12:77-85. doi: 10.2147/BCTT.S236108. PMID: 32547188; PMCID: PMC7250303.
3. Mishra S, Das Majumdar SK, Sable M, Parida DK. Primary malignant mediastinal germ cell tumors: A single institutional experience. *South Asian J Cancer.* 2020 Jan-Mar;9(1):27-29. doi: 10.4103/sajc.sajc_47_19. PMID: 31956616; PMCID: PMC6956594.
4. Shriwas O, Priyadarshini M, Samal SK, Rath R, Panda S, Das Majumdar SK, Muduly DK, Botlagunta M, Dash R. DDX3 modulates cisplatin resistance in OSCC through ALKBH5-mediated m⁶A-demethylation of FOXM1 and NANOG. *Apoptosis.* 2020 Apr;25(3-4):233-246. doi: 10.1007/s10495-020-01591-8. PMID: 31974865.
5. Das Majumdar SK, Sahoo TK, Parida DK. Cutaneous and cardiac metastases in carcinoma of anterior tongue. *J Cancer Res Ther.* 2020 Apr-Jun;16(3):680-682. doi: 10.4103/jcrt.JCRT_236_18. PMID: 32719291.
6. Sahoo S, Sirka CS, Majumdar SKD, Mohapatra PR. Gefitinib-induced pyogenic granuloma in a patient with lung cancer. *Lung India.* 2020 Jan-Feb;37(1):71-72. doi: 10.4103/lungindia.lungindia_277_19. PMID: 31898626; PMCID: PMC6961093.

AWARDS, HONORS & SIGNIFICANT EVENTS

Prof. D. K. Parida

1. Gold Medal Oration from Sri Venkateswar Medical University, Tirupati
2. Training on "Application of Artificial Intelligence in Radiation Treatment Planning", Wollongong University, Australia
3. External Expert, Curriculum finalization of Medical Physics Tech course, ADAMAS University, Kolkata

PATIENT CARE / HOSPITAL SERVICES PATIENT CARE / HOSPITAL SERVICES

SL NO	Year	Old OPD	New OPD	IPD Admission	Daycare Admission	Total Brachy Sitzings	Total No of Fractions Hela	Total CT-Sim Sessions	Total
01.	April 2019	1139	393	83	542	13	898	61	3129
02.	May 2019	1107	417	74	551	23	853	67	3092
03.	June 2019	1090	402	74	554	01	879	66	3066
04.	July 2019	1307	446	92	551	09	993	53	3451
05.	August 2019	1314	456	105	612	30	911	54	3482
06.	September 2019	1309	420	112	556	16	930	34	3377
07.	October 2019	1337	402	110	588	03	830	56	3326
08.	November 2019	1427	444	97	593	04	903	50	3518
09.	December 2019	1344	477	106	595	11	924	83	3540
10.	January 2020	1351	444	104	631	09	1013	52	3604
11.	February 2020	1335	432	102	610	28	997	48	3552
12.	March 2020	1042	530	57	578	36	866	50	3159
##	Grand Total	15102	5263	1116	6961	183	10997	674	40296



SURGICAL
GASTROENTEROLOGY

SURGICAL GASTROENTEROLOGY

FACULTY

Dr Bramhadatta Pattnaik
Assistant Professor

HIGHLIGHTS

The department of Surgical Gastroenterology started functioning from 30.01.2020. The OPD services were made available from 12.02.2020 on a twice weekly basis (Wednesday and Saturday). Many equipment and instruments are being procured and installed in this new department and many more are in the process. The department was officially allotted a weekly once OT slot and many patients with malignancies were being operated upon successfully. Apart from this, patients having end stage cancers were also admitted and given palliative treatments. We have recently received the 3D laparoscopic imaging system and will soon be starting minimally invasive surgery for all abdominal cancers. We are in the process of starting speciality outpatient clinics e.g. Liver clinic, pancreas clinic etc. soon. A dedicated Liver surgery lab having Liver surgery workstation with volumetry, thromboelastography machine and dynamic ICG system for hepatic perfusion, is in pipeline which will benefit a huge number of patients needing surgery for liver diseases. The department is planning to start community outreach services to make people aware about colorectal malignancies as well.

EDUCATION

We presently have four senior residents(non-academic) and one junior resident(non-academic) in the department. In daily bed side rounds, the proposed management of the admitted patients is being discussed thoroughly. The residents are encouraged to get involved in research and to write scientific papers. We are planning to start weekly case discussions, journal clubs and seminars in coming times. The department has conducted regular training sessions to the OT staffs on proper handling and care of the procured high end equipment.



SURGICAL ONCOLOGY

SURGICAL ONCOLOGY

FACULTY

Dr Madhabananda Kar
Professor & Head

Dr Dillip Kumar Muduly
Additional Professor

Dr Mahesh Sultania
Assistant Professor

HIGHLIGHTS

Department of Surgical Oncology is functioning with its dedicated OPD, IPD, and OT. At present, there are three faculty members, eight Senior Residents in the department. In addition to routine surgical oncology procedures, the department has started VATS (Video-assisted thoracoscopic surgery) procedure for patients with lung cancer, esophageal cancer, metastasectomy, mediastinal tumors, and thymectomy. Our department is a referral center for VATS procedures in the state, including the neighboring states. The 3D Video laparoscopic set has been installed in the department, which helps in critical clinical view while maintaining image orientation, greater depth of field, and optimal depth perception. The department has started cytoreduction surgery & HIPEC for peritoneal carcinomatosis and Lung Sparing surgery (Sleeve Resection) for carcinoma of lungs. With a dedicated and integrated MOT and one OT table per day, a total of 469 major surgeries have been successfully carried out in the last year. To minimize the patient waiting and discomfort, department has started organ based surgical oncology clinics on fixed days to address the followup of patients operated in the department and completed oncological treatment. The department has designed, developed, and maintained an Integrated surgical oncology database & Software based Auditing system which helps not only in-patient management, but also day to day working, auditing, research and publications.

EDUCATION

Presently the department of surgical oncology is involved in the training of undergraduate (MBBS, BSc Nursing, and Operation Theatre Technology), Post-graduates, and MCh Surgical Oncology and training of non-academic senior residents. The teaching curriculum of MCh Surgical Oncology has been prepared in consultation with experts from this institute and other reputed institutes. Students are evaluated regularly the progress according to the guidelines made by the Dean of AIIMS, Bhubaneswar. With the increase in MCh students, the department performs regular academic activities, like case presentation, journal clubs, seminars, invited lectures, tumor board, radio-conference, gastro-onco meet, operation theatre learning, in addition to regular weekly, monthly and long-term departmental audit. Six Surgeons from AIIMS, Delhi, SGPGI, Lucknow, Stanley Medical College, Madras and other medical colleges from all over India visited the department as Clinical observer in November 2019.

CONFERENCES/CME/Workshop ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Madhabananda Kar

1. Participated as a core member in deliberations 'Curriculum & Training in Surgical Oncology' at AIIMS, New Delhi in collaboration with Society of Surgical Oncology, USA on 20th May 2019.
2. Attended as an International Delegate / Participant in a Short Course on Cancer Survival: Principles, Methods, Applications from 1st July to 5th July 2019 at London School of Hygiene & Tropical Medicine.
3. Attended as a faculty in 2nd Annual Conference of Indian Society of Esophagus and Stomach Diseases (ISES) & Max Cancer Congress at New Delhi from 16th August to 17th August 2019.
4. Attended as a faculty and subject expert, participated in AIIMS-SSO, USA. Collaborative meeting on Standardising Surgical Oncology Curriculum at AIIMS, New Delhi on 19th September 2019.
5. Participated in "3rd Palliative Care Training Program for Cancer Treatment Centres in India" organized by AIIMS, New Delhi in collaboration with Asia Pacific Hospice Palliative Care Network, Singapore at AIIMS, New Delhi from 03rd to 05th October 2019.
6. Participated as a faculty in ASOMACON 2019 at Bhubaneswar on 30th October 2019.
7. Participated as faculty in 2nd GAAF (Gastric Advisory Action Forum) at Mumbai on 09th November 2019.
8. Participated as faculty in various positions (Chairing the session, Panelist and moderator) and also presented the Operative Video on "Retroperitoneal Lymphadenectomy" in the Association of Surgeons of India Annual Conference - ASICON 2019 held from 18th to 21st December 2019 at SOA & SUM Hospital, Bhubaneswar .
9. Participated as a faculty at Colorectal Cancer-Update on Minimally invasive surgery and Video workshop at AIIMS, New Delhi on 23th November 2019 and presented the operative video on " Laparoscopic Low Anterior Resection of Cancer rectum in a patient with Horse-shoe Kidney".
10. Attended as faculty at 2nd Annual Conference of the Indian Society of Thoracic Surgeons and Trust (ISTS) 2020 at National Institute of Tuberculosis & Respiratory Diseases (NITRD), New Delhi on 11th January 2020 and chaired a session on Lung Cancer.

11. Attended as chairperson & panelist, during International Hepato-Pancreato Biliary Association (IHPBA), India 2020 at Bhubaneswar on 25th January 2020.
12. Participated as a faculty in 5th Edition of Apollo Cancer Conclave & 8th Edition of biennial Cancer CI-2020 as a Panelist (Breast Oncology) at Hyderabad on 15th February 2020.

Dr Dillip Kumar Muduly

1. Attended Hospital Based Cancer Registry (H.B.C.R.) Review meeting at NCDIR, ICMR, Bangalore on 12th February 2020
2. Attended as a chairperson in "Annual Update in Peritoneal Surface Oncology" from 20th to 22nd February 2020 at TMH, Mumbai.
3. Attended as a faculty in Workshop in Colorectal Cancer and Laparoscopic Surgery conducted at AIIMS, Bhubaneswar on 23rd November 2019
4. Attended as a faculty at 2nd Indo-UK Breast Oncoplasty Cadaveric Course at AIIMS, New Delhi on 28th - 29th August 2019 and presented "Database development in Surgical Oncology"
5. Attended as a faculty in the Association of Surgeons of India Annual Conference ASICON 2019 held at Bhubaneswar from 18th to 21st December 2019 and presented a oral presentation on "Preoperative evaluation for patients with Thyroid Cancers" and also participated in a Panel Discussion on "Cervical Nodal Metastasis from Unknown primary"
6. Attended as a faculty at 3rd Asian Society of Mastology (ASOMACON – 2019), at AIIMS, Bhubaneswar, Odisha in Nov, 2019 and presented a poster entitled - "Clinical profile of breast cancer patients undergoing surgery at a tertiary cancer center in Odisha"
7. Attended as a scientific chairman in National Conference on Breast Cancer Update at AIIMS, Bhubaneswar from 15th to 17th July 2019.
8. Attended Annual conference of Association of Breast Surgeons of India (ABSI) at Jaipur from 31st August to 1st September 2019.

Dr Mahesh Sultania

1. Attended as a Faculty at 3rd Asian Society of Mastology (ASOMACON – 2019), at AIIMS, Bhubaneswar, Odisha in November, 2019 and presented a poster on "Influence of residential and educational status on molecular subtype and clinical stage in breast cancer"
2. Attended as an observer at Amrita Institute of Medical Sciences, Kochi, under Dr. Subramania Iyer in Head and Neck Surgery and Microvascular reconstruction in December 2019.
3. Attended in Annual conference of Federation of Head and Neck Oncology 2019 (FHNO) IFHNOS Chennai, India, from 11th to 13th October 2019 and presented an oral paper titled "Low cost, oral, metronomic therapy protocol in locally advanced oral cancers in Eastern India"
4. Attended as a scientific chairman in National Conference on Breast Cancer Update at AIIMS, Bhubaneswar on 27th July 2019.

Presentations by the residents

1. Imaduddin M., Sultania M., Kar M., Muduly D.K., Low Cost, Oral, Metronomic Therapy Protocol In Locally Advanced Oral Cancers - Feasibility Study, Annual Conference of Indian Society of Surgical Oncology 20th-22nd September 2019, Kolkata
2. Vigneshwaran B, Madhabananda Kar, Dillip Muduli, Mahesh Sultania, Outcomes after Video-Assisted Thoracoscopic (VATS) Thymectomy, Annual Conference of Indian Society of Surgical Oncology 20th-22nd September 2019, Kolkata
3. R. Ephraim, Vigneshwaran B, Mahesh Sultania, Madhabananda Kar, D K Muduly, Factors influencing extranodal extension in breast cancer, ABSI. Annual Conference, Jaipur, 31st August – 1st September 2019
4. Chaudhary I, Sultania M, Kar M, Mudully D, Parida D, Mohakud S, Sable M, Relation between BMI and tumor aggressiveness in Breast cancer patients, Annual Conference of Association of Mastology, 16th November 2019, Bhubaneswar
5. Chaudhary I, Sultania M, Kar M, Muduly D K, Majumdar S, Mishra P, Naik S, Is young age breast cancer a more aggressive disease?, Annual Conference of Association of Mastology, 16th November 2019, Bhubaneswar
6. Vigneshwaran B, Muduly DK¹, M Kar, M Sultania, Saroj Majumdar, Mukund Sable, Sudipta Mohakud, Association between Molecular Subtypes of Breast Cancer and Axillary Nodal Metastasis, Annual Conference of Association of Mastology, 16th November 2019, Bhubaneswar

7. Vigneshwaran B, Muduly DK, M Kar, M Sultania, Saroj Majumdar, Mukund Sable, Sudipta Mohakud, Influence of reproductive factors on tumor biology in patients with breast cancer-Annual Conference of Association of Mastology, 16th November 2019, Bhubaneswar
8. Imaduddin M., Muduly D.K., Sultania M., Kar M., Majumdar S, Mishra P, Naik S., Clinico-pathological factors predictive of response to neoadjuvant chemotherapy in locally advanced breast cancer – A single-center experience; Annual Conference of Association of Mastology, 2019, Bhubaneswar.
9. Vigneshwaran B, Muduly DK, M Kar, M Sultania, P Mishra, MN Sable, S Mohakud, Impact of Intraoperative Pathological Assessment of Cavity Shave Margins in Patients Undergoing Breast Conservation Surgery, Annual Conference of Indian Society of Surgical Oncology 20th-22nd September 2019, Kolkata.

RESEARCH

Funded Projects:

Departmental:

Ongoing:

1. Title: Pattern of Cancer in Odisha: A retrospective multi-institutional study
Name of the Principal Investigator- Dr Dillip K Muduly
Funding agency: AIIMS, Bhubaneswar
Funds: 1 Lakh
Duration, start year: 2 years, May 2018
IEC approval number: T/IM-F/18- 19/44

Non Funded Projects:

1. Title: Ambispective Study using Brandwein Gensler risk model in patients with early-stage oral cancer for adjuvant treatment planning
Name of the Principal Investigator: Dr Mahesh Sultania
Funding agency: Non-funded
Duration, start year: 5 years, Dec 2019
IEC approval number: T/IM-NF/Surg.Onco/19/60
2. Title: Validation of Clinical measurement of the depth of invasion for staging in Oral Cancer patients according to 8th AJCC.
Name of the Principal Investigator: Dr Mahesh Sultania
Funding agency: Non-funded
Duration, start year: 2 years, Sep 2019
IEC approval number: T/IM-NF/Surg.Onco/19/44
3. Title: Low cost, oral, metronomic therapy protocol in locally advanced oral cancers – Feasibility Name of the Principal Investigator: Dr Mahesh Sultania
Funding agency: Non-funded
Duration, start year: 2 years, May 2019
IEC approval number: T/IM-NF/Surg.Onco/18/75
4. Title: Factors influencing the choice of mastectomy over breast conserving therapy in early breast cancer- A prospective longitudinal study
Name of the Principal Investigator- Dr Dillip K Muduly
Funding agency: Non-Funded
Duration, start year: 2 years, Aug 2019
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/17
5. Title: Clinico-pathological Profile and long term outcomes of breast cancer patients-a prospective observational study from a tertiary care Centre in Eastern India
Name of the Principal Investigator- Dr Dillip K Muduly
Funding agency: Non-Funded

Duration, start year: 3 years, Mar 2019

IEC approval number: T/IM-NF/Surg Onco/19/70

Collaborative projects:

Ongoing :

1. Title of the project: "Molecular Characterization of clinical samples of oral squamous cell carcinoma"
Name of the site principal investigator: Dr Dillip Kumar Muduly
Funding agency: ILS, Bhubaneswar
Duration: Start year: Aug 2019
Funds: Rs.5 Lakhs
IEC approval number: T/EMF/Surg.Onco/19/03
2. Title of the project: "Virtual National Oral Cancer Institute (VNOCI), Understanding the disease biology and epigenetic diversity of oral cancer in India (Implications in new diagnosis and therapeutics)"
Name of the site principal investigator: Dr Madhabanada Kar
Funding agency: Department of Biotechnology, Govt. of India
Duration: Start year: 2017
Funds: Rs.1.61 Cr
IEC approval number: T/EM-F/Surg.Onco/18/29

Departmental Projects: (Thesis/Dissertations)

1. Title of the project: Correlation between tumor factor and pattern of Lymph nodal spread in Gastric Cancer
Name of the Principal Investigator: Dr Itisha Chaudhary (Guide name)
Name of the funding agency: None
Duration, start year: 2 years, 2019
Funds: None, Total cost: None
IEC Approval Number: IEC/AIIMS BBSR/PG Thesis/.2019-20/29
2. Title of the project: Factors influencing the choice of Mastectomy over breast conserving therapy in early breast cancer-A prospective longitudinal study
Name of the Principal Investigator: Dr Rebba Ephraim (Guide name)
Name of the funding agency:None
Duration, start year: 2 years, 2019
Funds: None, Total cost: None
IEC Approval Number: IEC/AIIMS BBSR/PG Thesis/2019-20/17

PUBLICATIONS

1. Tripathy S, Mandal I, Rao PB, Panda A, Mishra T, Kar M. Opioid-free anesthesia for breast cancer surgery: A comparison of ultrasound guided paravertebral and pectoral nerve blocks. A randomized controlled trial. *J Anaesthesiol Clin Pharmacol.* 2019 Oct-Dec;35(4):475-480. doi: 10.4103/joacp.JOACP_364_18. PMID: 31920230; PMCID: PMC6939549.
2. Roy S, Kar M, Roy S, Padhi S, Saha A, Banerjee B. KLF4 expression in the surgical cut margin is associated with disease relapse of oral squamous cell carcinoma. *Oral Surg Oral Med Oral Pathol Oral Radiol.* 2019 Aug;128(2):154-165. doi: 10.1016/j.oooo.2019.02.021. Epub 2019 Mar 1. PMID: 31078500.
3. Anuja K, Chowdhury AR, Saha A, Roy S, Rath AK, Kar M, Banerjee B. Radiation-induced DNA damage response and resistance in colorectal cancer stem-like cells. *Int J Radiat Biol.* 2019 Jun;95(6):667-679. doi: 10.1080/09553002.2019.1580401. Epub 2019 Mar 20. PMID: 30753097.
4. Roy S, Roy S, Kar M, Chakraborty A, Kumar A, Delogu F, Asthana S, Hande MP, Banerjee B. Combined treatment with cisplatin and the tankyrase inhibitor XAV-939 increases cytotoxicity, abrogates cancer-stem-like cell phenotype and increases chemosensitivity of head-and-neck squamous-cell carcinoma cells. *Mutat Res.* 2019 Oct; 846:503084. doi: 10.1016/j.mrgentox.2019.503084. Epub 2019 Aug 17. PMID: 31585633.
5. Maji S, Shriwas O, Samal SK, Priyadarshini M, Rath R, Panda S, Das Majumdar SK, Muduly DK, Dash R. STAT3- and GSK3 β -mediated Mcl-1 regulation modulates TPF resistance in oral squamous cell carcinoma. *Carcinogenesis.* 2019 Mar 12;40(1):173-183. doi: 10.1093/carcin/bgy135. PMID: 30395230.

6. Kumar Das Majumdar S, Kumar Muduly D, Mishra S, Mohapatra CRR, Bungler D, Khan MA. Management of primary squamous cell carcinoma of the pancreas with a nanosomal paclitaxel lipid suspension-based regimen: A case report. *Mol Clin Oncol.* 2019 Apr;10(4):430-434. doi: 10.3892/mco.2019.1814. Epub 2019 Feb 22. PMID: 30931112; PMCID: PMC6425502.
7. Kumar S, Bhorival S, Muduly D, Kar M, Sharma A, Pathy S, Shukla NK, Deo SVS. Multimodality management of incidentally detected gall bladder cancer: long term results from a tertiary care cancer centre. *J Gastrointest Oncol.* 2019 Feb;10(1):128-133. doi: 10.21037/jgo.2018.09.10. PMID: 30788168; PMCID: PMC6351296.
8. Adhya AK, Kar M, Mohanty R. Touch Imprint Cytology: A Rapid and Accurate Method for Diagnosis of Oral Cancer. *Acta Cytol.* 2019;63(5):411-416. doi: 10.1159/000500006. Epub 2019 May 23. PMID: 31121588.
9. Balasubiramaniyan V, Sultania M, Sable M, Muduly D, Kar M. Warthin-like mucoepidermoid carcinoma of the parotid gland: a diagnostic and therapeutic dilemma. *Autops Case Rep.* 2019 Sep 30;9(4):e2019122. doi: 10.4322/acr.2019.122. PMID: 31641663; PMCID: PMC6771442.
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11. Balasubiramaniyan V, Muduly D, Samal S, Kar M, Sultania M, Patra S, Das PK. Pleomorphic hyalinizing angiectatic tumor of the mesorectum: a rare case and review of literature. *Autops Case Rep.* 2019 Jul 19;9(3):e2019097. doi: 10.4322/acr.2019.097. PMID: 31440480; PMCID: PMC6655857.
12. Roy S, Kar M, Roy S, Padhi S, Kumar A, Thakur S, Akhter Y, Gatto G, Banerjee B. Inhibition of CD44 sensitizes cisplatin-resistance and affects Wnt/ β -catenin signaling in HNSCC cells. *Int J Biol Macromol.* 2020 Apr 15;149:501-512. doi: 10.1016/j.ijbiomac.2020.01.131. Epub 2020 Jan 15. PMID: 31953176.
13. Anuja K, Kar M, Chowdhury AR, Shankar G, Padhi S, Roy S, Akhter Y, Rath AK, Banerjee B. Role of telomeric RAP1 in radiation sensitivity modulation and its interaction with CSC marker KLF4 in colorectal cancer. *Int J Radiat Biol.* 2020 Jun;96(6):790-802. doi: 10.1080/09553002.2020.1721609. Epub 2020 Feb 11. PMID: 31985344.
14. Shriwas O, Priyadarshini M, Samal SK, Rath R, Panda S, Das Majumdar SK, Muduly DK, Botlagunta M, Dash R. DDX3 modulates cisplatin resistance in OSCC through ALKBH5-mediated m⁶A-demethylation of FOXM1 and NANOG. *Apoptosis.* 2020 Apr;25(3-4):233-246. doi: 10.1007/s10495-020-01591-8. PMID: 31974865.

Books:

1. Muduly DK. *Handbook of Oncoplastic Breast Surgery*. 1st ed. New Delhi: Jaypee Publishers; 2019. Chapter 2, Principles of Breast Conservation Surgery; p.4-10

PATIENT CARE / HOSPITAL SERVICES

- Surgical Oncology OPDs are running 2 days a week (Tuesday & Thursday) and dedicated organ based cancer clinics running 4 days a week. Head & Neck cancer (Monday), Thoracic Oncology, Upper GI & HPB (Tuesday), Breast & Gynae Oncology, Colorectal cancer (Wednesday), Breast cancer, Bone & Soft tissue tumour clinic (Friday).
- A total of 9931 patients (New-3048 and Old/Follow up-6883 patients) have been treated in OPD during the period and 469 surgical procedures have been carried out following different methods.
- An exclusive surgical oncology ward with 28 Bedded dedicated surgical oncology in-patient department is in function.
- Dedicated Surgical Oncology OT is functional on 5 days a week for surgical procedures under general anesthesia.
- One dedicated minor OT is running on all OPD days in OPD area for biopsy and surgery under local anesthesia.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Madhabananda Kar

1. Dr. Madhabananda Kar participated as a core member in formulating for Curriculum & Training in Surgical Oncology' by AIIMS. Collaboration with Society of Surgical Oncology, USA at New Delhi on 20th May 2019.
2. Dr. Madhabananda Kar, represented Director AIIMS, Bhubaneswar to prepare the MoU between AIIMS, Bhubaneswar and Royal Society of Tropical Medicine and Hygiene (RSTMH), at London on 25th June 2019.
3. Dr. Madhabananda Kar nominated as the subject expert for AIIMS-SSO, USA. Collaborative meeting on Standardising Surgical Oncology Curriculum, at AIIMS. New Delhi on 19th September 2019.
4. Dr. Madhabananda Kar has been nominated as reviewer of McMaster University Rating System.
5. Dr. Madhabananda Kar has been nominated as the Fellow of American college of Surgeons (FACS).
6. Lung Sparing surgery (Sleeve Resection) for carcinoma of lungs.

Dr Dillip Kumar Muduly

1. Designed, developed and maintained an Integrated Software & Software based Auditing system in the department of Surgical Oncology.
2. Started cytoreduction surgery and Surgical Hyperthermic chemotherapy perfusion system for Isolated limb perfusion and Intra-peritoneal chemotherapy (HIPEC).

Dr. Mahesh Sultania

1. Received Award the European Society of Surgical Oncology (ESSO) Young Surgeons and Alumni Club (EYSAC) Research Fellowship for the year 2019-20 to visit the Netherlands Cancer Institute, Amsterdam, under Prof. M.W.M. v.d. Brekel in the department of Head and Neck Oncology and Surgery.



Resection of the 26 Kg of retroperitoneal sarcoma (largest size till operated in the institute)



Cytoreduction with Hyper Thermic Intraperitoneal Chemotherapy (HIPEC) – First time the state.



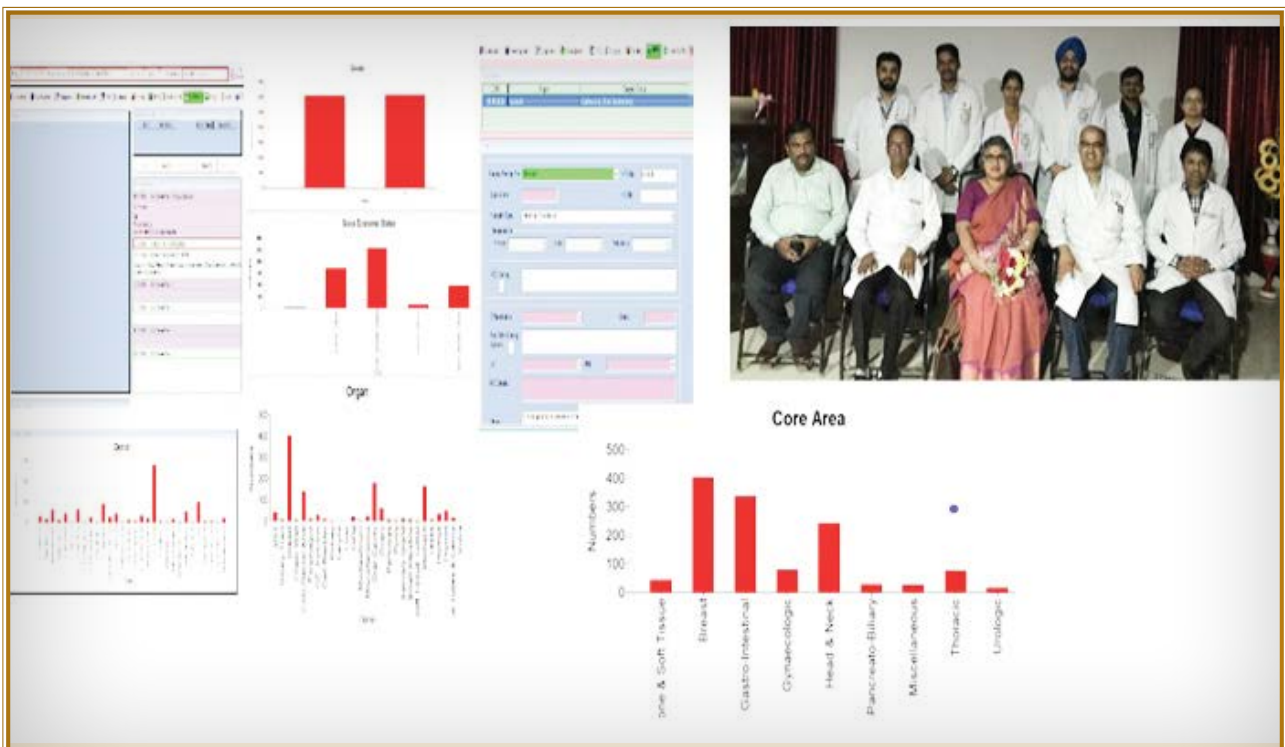
Prof. S.V.S. Deo, H.O.D. Surgical Oncology AIIMS. New Delhi visited to the Department 9th Jan 2020.



Dr. Sonal Asthana, Senior Consultant in Hepatobiliary Surgery and Liver Transplantation -visited the department for live demonstration of principles of liver resection on 25.01.2020.



Six Surgeons from AIIMS, Delhi, SGPGI, Lucknow, Stanley Medical College, Madras and other medical colleges from all over India visited the department as Clinical observer in November 2019.



Stand-alone Surgical Oncology Database has been reviewed by the Honorable Director



TRANSFUSION MEDICINE

TRANSFUSION MEDICINE

FACULTY

Dr. Somnath Mukherjee
Associate Professor

Dr. Satya Prakash
Assistant Professor

HIGHLIGHTS

MD in Transfusion Medicine was started with joining of Two MD students. Apart from this Dr. Somnath Mukherjee has been selected for ICMR-DHR International fellowship in the field of Cellular therapy at the prestigious National Institutes of Health (NIH), USA for the initiation of research in this nascent field. Presently the department is collecting blood both in house as well by conducting blood donation camps in the department. Since safe blood transfusion is the first and foremost priority for the department, we have started screening for the transfusion-transmitted infections by fully automated Electro-Chemiluminescence-based analyzer, Roche Cobas e411. The department also regularly observes World Thalassemia Day, World AIDS Day and World Blood Donor Day each year by regularly conducting camps and creates awareness on blood donation and blood safety by conducting and participating in CMEs in the Institute. Blood components like Packed red cell, Platelet concentrates, FFP, cryoprecipitate are readily available for the patients. Besides, the department is also providing various modified components like pediatric blood components, leukodepleted packed red cells and washed red cells. Apheresis facility is available for Single donor platelet concentrate collection as well as for other therapeutic apheresis procedures for use in different clinical conditions. Therapeutic apheresis like therapeutic plasmapheresis, leukapheresis, and erythrocytapheresis are being done as indicated in different clinical conditions. The department has also established as a referral centre of immunohematology services, and many unresolved cases of Immunohematology are now referred to the department for resolution.

EDUCATION

The department is involved in the teaching of undergraduate MBBS students of 4th and 6th semester, second-year BSc (nursing) and second-year BSc Medical Laboratory Technology students. The faculties are also engaged in the teaching of postgraduate residents of Transfusion Medicine and Pathology who come on a rotation basis. Presently, two postgraduate residents have joined the Department of Transfusion Medicine and pursuing MD degree.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr Somnath Mukherjee

1. Attended workshop on Effective Medical Literature Search conducted at AIIMS Bhubaneswar by QMed Knowledge Foundation on 26th April 2019.
2. Participated in the workshop on introduction to EHR Standards conducted by the National Resource Center for EHR Standards (NRCeS) held at AIIMS, Bhubaneswar on 21st August 2019.
3. Was invited to chair a session on approach to coagulation disorder at the 11th Annual Conference of Odisha Haematology at Bhubaneswar between 7th and 8th September 2019.

Dr Satya Prakash

1. Presented a poster on "Predictor of adverse event in whole blood donation" in National conference of Indian Society of Transfusion Medicine, Transmedcon 2019 between 9th-11th January. 2020 held at Mumbai.
2. Selected for attending National Workshop on R for Biostatistics (NAWORB 2019) organized by Department of Pharmacology, AIIMS, Bhubaneswar from 24th -27th September 2019.
3. Delivered speech on Update on Blood Transfusion in the annual conference of Hematology foundation of Bihar (Raktvigyan 2019) held on 3rd August 2019.
4. Delivered speech on need and benefits of Therapeutic Leukapheresis in acute leukaemia patients with signs and symptoms of leukostasis in Blood Club Odisha on 25th July 2019, held at Sandy towers, Bhubaneswar.
5. Attended the 1st National seminar on Medical Education (MECON 2020) organized by Medical Education Team of AIIMS, Bhubaneswar from 23rd to 25th January 2020.

Dr. Pankaj Kumar Das (Senior Resident)

1. Attended 8th Annual Conference of Indian Society of Transfusion Medicine; Transmedcon 2019, Mumbai from 09th to 11th January 2020
2. Attended workshop on "Therapeutic Apheresis: Decoding challenges and simulation training workshop" during Transmedcon 2019 at Mumbai between 07th to 08th January 2020. He also attended "ISBT Highlights and more" during the above period.

Dr Gopal Krushna Ray (Senior Resident)

1. Presented a poster on Flash Talk: Resolution of the complexity of transfusion support in a multiple alloimmunised thalassemia patient by elution adsorption method in the 11th Annual Conference of Odisha Haematology at Bhubaneswar on 7th and 8th September 2019.
2. Presented a poster "Failed response to TPE in an anti-NMDA positive patient with a late presentation: a case report" in Transmedcon 2019, Mumbai on 9th January 2020.

Dr Suman Sudha Routray (Senior Resident)

1. Presented oral paper on "Burden of neonatal jaundice in NICU with special reference to unconjugated hyperbilirubinemia in Eastern India" on 17th November in best of best young investigator session at 30th regional conference of ISBT, Bangkok.

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

1. Title of the project. Exploring potential role of MicroRNAs in stored Red Blood Cells and its association with leukoreduction in predicting quality of stored Red Blood Cell.
Name of the principal investigator: Dr. Somanth Mukherjee
Funding agency: ICMR Duration, start year: 2019 Funds: Rs.18 lakhs
IEC approval number:T/EMF/Trans.med/18/28
2. Title of the project: Knowledge, attitudes and practices of resident doctors and nursing staffs in safe blood transfusion
Name of Principal Investigator: Dr Gopal Krushna Ray (Senior Resident)
Funding agency: ABQC, AIIMS, Bhubaneswar Duration, start year: 01 years, Funds: Rs. 20,000
IEC approval number:T/IMF/PS/Student/2019-20/12

Non-Funded**Ongoing:**

1. Title of the project: A comparative study on efficacy of ABO identical versus ABO non-identical platelet transfusion in haemato-oncology patients.
Name of the principal investigator: Dr Somnath Mukherjee
Funding agency: NIL Duration, start year: 02 years, July-2019 Funds: Rs. NA
IEC approval number: IEC/AIIMS BBSR/PG Thesis/2019-20/97

Completed:

1. Title of the project: Prevalence of A1 and A2 subgroup along with Anti-A1 antibody in Donor and patient population in a tertiary care centre.
Name of the principal investigator: Dr Somnath Mukherjee
Funding agency: NIL Duration, start year: 01 years, August 2018 Funds: Rs. NA IEC approval number: T/IM-NF/Trans.med/18/10
2. Title of the project: A study on adverse reactions during voluntary blood donations: a scenario from Tertiary Care Center.
Name of the principal investigator: Dr Somnath Mukherjee
Funding agency: NIL Duration, start year: 02 years, April 2018
Funds: Rs. NA IEC approval number: T/IM-NF/Transmed/17/30

PUBLICATIONS

1. Sahoo D, Prakash S, Mukherjee S, Ray GK. Trapping of platelets in leukocyte reduction chamber leads to failure of plateletpheresis procedure: a rare troubleshooting during apheresis. Hematol Transfus Cell Ther. 2019 pii:S2531-1379(19)30120-8. DOI: 10.1016/j.htct.2019.05.005. PMID: 31439518.
2. Mukherjee S, Tripathy SK, Maiti R, Rao B. et al. Single-dose Intravenous Tranexamic acid may not be adequate to reduce blood loss and blood transfusion requirement in patients undergoing single-stage bilateral total knee arthroplasty. Acta Orthop Belg. 2019;85(3):364-372. PMID: 31677634

PATIENT CARE / HOSPITAL SERVICES**Hospital activity:**

1. **Blood Collection and Blood donation camp:**

The department had screened 10,023 blood donor and collected 8768 units of whole blood from 1st April 2019 to 31st

March 2020 through in-house blood donation. The department is regularly conducting blood donation camp in the campus to create awareness on safe and voluntary blood donation and the importance of blood and blood products. The department has conducted four Blood Donation camps during this session and collected 120 units of blood.

2. **Cross Match and Issue of blood and blood component:** From 1st April 2019 to 31st March 2020, a total of 24593 blood components were prepared. In this session, a total of 12291 units of Red cell component were cross-matched, and 17243 units of all blood component were issued to patients belonging to different clinical discipline. Moreover, a total of 150 blood components were also utilized for quality control purpose. Department is in the process of procurement of blood irradiator for irradiation of various blood components like granulocyte product and blood components transfusion in stem cell transplant patients to prevent transfusion-associated graft-versus-host disease.

3. **Laboratory diagnostic workup:**

The department is also conducting routine blood grouping for both the patients as well as donors regularly. Till 2020, 31st March, a total of 14119 blood grouping were done, including both patients and donors. The department also performs extended Rh typing in some special cases. Besides this, the department also performs special diagnostic tests, especially the coombs test (Direct and Indirect) regularly. From April 2019 till March 2020, a total number of 1125 Direct Coombs Test (DCT) were performed, and the total number of indirect coombs tests (ICT) performed were 747. The department is also conducting serial titre of ICT + ve cases whenever it is indicated. The department is equipped with rare antisera and other reagents and had also started immune-haematological services like antibody screening, identification and antigen typed and matched Packed red cells to alloimmunised needy patients, and a total of 205 complete IH workup were done. A total of 18 transfusion-related adverse events were reported in this session and IH workup for the same depicted non-hemolytic, mostly allergic and febrile type of transfusion reaction. To prevent this adverse reaction, the department also started providing leukoreduced, and saline washed red blood cells to the special category of patients. In future, the department has a plan to begin molecular HLA typing and thus facilitating solid and bone marrow transplant services. In addition, the department is also on the process of starting the Platelet function test by platelet aggregometer to diagnose functional defects in platelet aggregation and assessing dose-response of aspirin.

4. **Transfusion Transmitted Infections testing services:**

The department also regularly conducts ELISA tests for five mandatory transfusion-transmitted infectious disease markers. Department has started doing these TTI testing on advanced fully automated chemiluminescence platform since 26th Nov. 2019 which had significantly reduced the turn over time of testing as well. The donated blood units were regularly tested for: HBsAg, Anti-HCV, Anti-HIV, Malaria and Syphilis by ELISA and later on chemiluminescence for all except malaria(Rapid). Till March 2020, a total of 8798 units of blood have been tested by ELISA and Chemiluminescence for the above five mandatory infectious disease markers. Department has finalized the process of procurement of Nucleic acid testing (molecular testing for TTI) for the screening of donated blood for mandatory testing of infectious diseases.

5. **Apheresis services:**

5.1 Apheresis Donation: Till March 2020 the department has also collected 30 single donor platelets with apheresis cell separator and providing apheresis blood component services required mainly for leukaemia and other haematological indications.

5.2 Therapeutic Apheresis Services

Therapeutic plasma exchange (TPE): Till March 2020, The department had performed a total of 26 TPE procedure in 5 patients for various neurological and haematological indications. Most of the patients were from the department of paediatrics and Internal medicine.

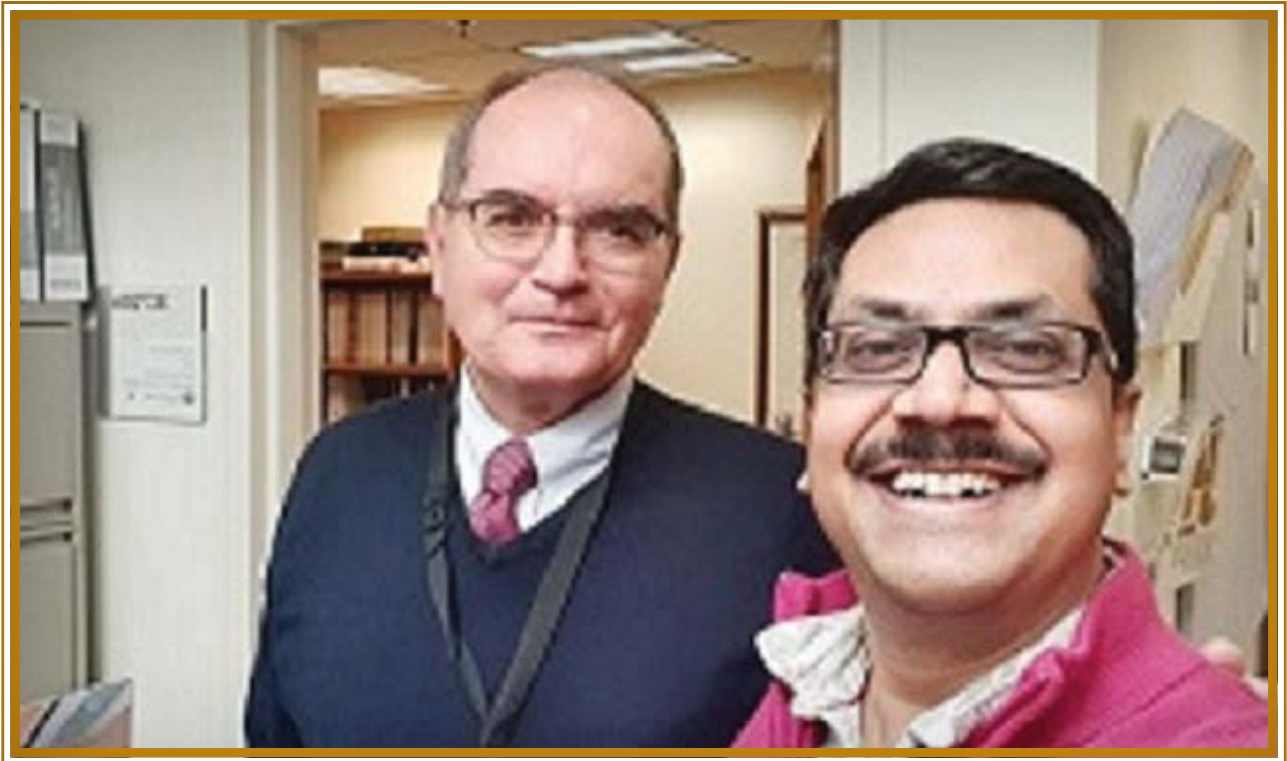
Therapeutic Red cell exchange: The Department had also performed one therapeutic red cell exchange procedure successfully in a patient of sickle cell disease posted for cardiac surgery.

Blood Banking and Integration of Hospital Information System (HIS):

The department has started e-raktosh blood banking system and started incorporating all data in Blood Bank software, and it has also integrated with (C-DAC) Hospital information system. Online reporting of blood grouping, direct and indirect Coombs test has also been implemented this session through the blood bank module of HIS.

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr Somnath Mukherjee, Associate Professor, awarded ICMR-DHR Young Scientist International Fellowship for six months (October 2019-March 2020) as a young scientist at the prestigious world-renowned National Institutes of Health (NIH), Bethesda, USA. He was involved in learning different methodology and techniques of processing of cellular therapy and stem cell biology under Prof. David Stroncek, chief of Cellular engineering division in the Department of Transfusion Medicine at NIH.



Dr Somnath Mukherjee with Prof. David Stroncek during his international fellowship training at NIH, USA.



Bedside therapeutic plasma exchange at the ICU started by the Dept, of Transfusion Medicine.



TRAUMA & EMERGENCY

TRAUMA & EMERGENCY

FACULTY

Dr. Tushar S. Mishra
Professor & Head
(Surgery)

Dr. Satyabrata Guru
Assistant Professor
(General medicine)

Dr. Ritesh Panda
Assistant Professor
(Burns and Plastic surgery)

Dr. Chitta Ranjan Mohanty
Associate Professor
(Anaesthesia)

Dr. Sadananda Barik
Assistant Professor
(Pulmonary medicine)

Dr. Saroj Kumar Patra
Assistant Professor
(Orthopaedics)

Dr. Upendra Hansda
Associate Professor
(Anaesthesia)

Dr. Chinmaya Dash
Assistant Professor
(Neurosurgery)

Dr. Ajitesh sahu
Assistant Professor
(Anaesthesia)

Dr. Sangeeta Sahoo
Assistant Professor
(Anaesthesia)

Dr. Boyina Kiran Kumar
Assistant Professor
(Maxillofacial surgery)

HIGHLIGHTS

Department of Trauma and Emergency is a diverse department consisting of faculty of various speciality/ super speciality. The department has taken the lead in managing all sorts of emergencies, provide comprehensive care starting from care in Emergency Room to surgeries, admission and discharge. Medical gas pipeline (MGPS) was inaugurated in the month of January 2020 by the Director AIIMS, Bhubaneswar. A dedicated Trauma care building has been approved and construction has begun making it the stepping stone of the upcoming Trauma and Emergency Centre. Point of Care Ultrasound Workshop was held by the Division of Emergency Medicine, in which 45 participants from all over the country participated. ATLS site visit was done by Chair ATLS, Prof M.C. Misra (Chair ATLS India and Ex – Director AIIMS, New Delhi) and AIIMS Bhubaneswar has been approved as a centre to set up ATLS training program in principle. BLS courses were conducted regularly by the Department for various cadres of health care workers (interns, residents, nursing staff). The department started performing four vessel cerebral Digital Subtraction Angiography of the brain.

EDUCATION

Two post graduate students have joined in the discipline of Emergency Medicine, making this the only teaching Institution in Odisha and Eastern India to have MD course in Emergency Medicine.

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Upendra Hansda

1. Attended "Emergency Cardiology (EMCARD)" conference on 10th and 11th May 2019 at Goa.
2. Faculty for training on "CRITICAL CARE" to doctors and nurses from district headquarter hospital of Odisha from May-July 2020 at AIIMS Bhubaneswar.
3. Faculty for workshop on "Augmentation of teaching skills" for Senior Residents held on 5th and 6th July 2019 at AIIMS Bhubaneswar.
4. Attended Emergency Medicine Association of India (EMINDIA 2019) conference held from 2nd to August 4 2019 at AIIMS New Delhi. Presented paper title "Assessment of level of knowledge on basic life support among the ambulance personnel coming to emergency department of a tertiary care hospital" and delivered an invited lecture on "Emergency management of aortic dissection".
5. Faculty during WISSEN 2019 (a student workshop and conference in August 2019 at AIIMS Bhubaneswar).
6. Attended the workshop on "Basic Neonatal Resuscitation Programme" on September 1, 2019 at Bhubaneswar.
7. Attended the Indian Society of Anaesthesiologists east zone conference from 18th October to 20th October, 2019 at AIIMS Bhubaneswar.
8. Faculty during Indian Academy of Paediatrics Basic Life Support for Nurses on November 26, 2019 at AIIMS Bhubaneswar.
9. Faculty for Continuing Nursing Education held on 9th and 10th January 2020 at AIIMS Bhubaneswar.
10. Faculty for Substance use orientation Programme for the nurses on February 4th 2020 at AIIMS Bhubaneswar. Delivered a lecture on "Emergency management in substance use disorder".
11. Faculty for conducting workshop on "Cardiac Life Support" on February 16, 2020 at MKCG Medical College, Berhampur.

Dr. Ritesh Panda

1. Attended 17th Annual conference of the Diabetic Foot Society of India (DFSICON 2019) and received M.R. Vaidya Memorial best poster presentation for a poster titled: Efficacy of collagen granules and collagen foam in the healing of diabetic foot ulcers: A pilot project in a tertiary centre
2. Completed Advanced Trauma Life Support (ATLS) course at JIPMER, Puducherry, on 07-09, November 2019.
3. Attended the 9th annual conference of The Indian Society of Peripheral Nerve Surgery (ISPNS) 27th to February 29 2020 and presented a paper titled "Flexor digitorum superficialis lasso tendon transfer in ulnar nerve palsy: Functional outcome."
4. Attended Live Surgical Workshop – Refinement in Cleft Surgeries on February 6 at New Delhi, India focussing on live demonstrations of some of the successful techniques in ABG Surgery, Palate Repair and Rhinoplasty conducted by senior experts.
5. Attended conference-cum-workshop- 43rd Annual conference of the Indian Society for Surgery of the Hand (ISSHCON-2019) at Puri, Odisha from 12th-15th, September 2019, a paper on "Epidemiology of Hand Injuries in a tertiary care center."
6. Attended Point of care ultrasound in Acute care – POCUS-2020 conducted at AIIMS, Bhubaneswar from Jan 18-19, 2020, as an organizing committee member.
7. Attended as Guest faculty on 16.02.2020 and conducted a "Cardiac life support workshop" for undergraduate students and interns at MKCG Medical College, Berhampur.

Dr. Satyabrata Guru

1. Attended symposium at National Poisoning Information Centre, AIIMS New Delhi on the topic- "Symposium on poisoning as a public health program" on 26.04.2019.
2. Attended Emergency cardiology Inaugural national summit – EMCARD at Goa from 10.05.19 to 12.05.19 and presented a poster on the topic – "Oleander poisoning masquerading hyperkalaemia changes in ECG."
3. Attended the All India Annual Academic Emergency Medicine Congress-EMINDIA-2019 at AIIMS, New Delhi as a guest speaker from 31.07.19 to 01.08.2019. Presented paper on – "Sickle cell trait patient presenting as acute chest syndrome."
4. Attended as Guest faculty on 16.02.2020 and conducted a "Cardiac life support workshop" for undergraduate students at MKCG Medical college.
5. Attended Annual Critical care conference at Hyderabad from 28.02.2020 to 01.03.2020
6. Attended as guest faculty in College of Nursing (CNE) for Continuous Nursing Education workshop at AIIMS, Bhubaneswar on 09.01.2020 for lecture and hands-on training on basic and cardiac life support training.
7. Attended as an organizer the program "Point of Care Ultrasound (POCUS-2020)," organized by the Department of Trauma and Emergency from 18th & 19th January 2020.
8. Attended as a faculty the BLS workshop on 18th -20th August 2019 at the National level Annual workshop event WISEN 3.0 at AIIMS, Bhubaneswar, and delivered lectures.

Dr. Chitta Ranjan Mohanty

1. Attended workshop as faculty on "Research methodology" in 29th East Zone conference on 20th October 2019.
2. Attended workshop as faculty on "Triage" for Msc Nursing students on 9th January 2020.
3. Attended as resource person for "BLS Workshop" for MBBS students in WISEN 2019 on 20th August 2019
4. Attended as an organizer in the program "Point of Care Ultrasound (POCUS-2020)," organized by the Department of Trauma and Emergency on 18th & 19th January 2020.
5. Attended as delegate in the 3rd National Workshop on "R for Basic Biostatistics" held on 24th to 27th September 2019 at AIIMS Bhubaneswar.
6. Attended as a delegate in the "Comprehensive trauma life support" held at Bengaluru, 24th to 25th November 2019.

Dr. Kiran Kumar Boyina

1. Attended workshop on "Augmentation of teaching skills" for Senior Residents held on 5th and 6th July 2019 at AIIMS Bhubaneswar as Faculty.
2. Presented a poster on "3 D printing and its applications in maxillofacial surgery" at National conference – 44th AOMSI conference, held at Bengaluru, 14th -16th November 2020.
3. Attended Point of Care Ultrasound in Acute care – POCUS-2020 conducted at AIIMS, Bhubaneswar from 18th -19th January, 2020 as an organizing committee member.

4. Attended cadaver course on "Total TMJ replacement workshop" at AIIMS, New Delhi between 16th to 18th February 2020.

Dr Sangeeta Sahoo

1. Attended Emergency Cardiology (EMCARD) conference on 10th -11th May 2019 at Goa as task force faculty, panellist for panel discussion for topic acute myocardial infarction in Emergency and also attended the suturing, splinting, ECG workshop, during the same period.
2. Attended Emergency Medicine Association of India (EMINDIA 2019) conference held from 2nd to 4th August 2019 at AIIMS New Delhi. Delivered an invited lecture on "pain management of chest trauma patients.
5. Faculty during WISSEN 2019 (a student workshop and conference in August 2019 at AIIMS Bhubaneswar).
6. Attended the workshop on Basic Neonatal Resuscitation program on 1st September 2019 at KIIMS, Hospital, Bhubaneswar.
7. Attended the workshop PNS and USG guided nerve block course hands -on (PUNCH -2019) at Bhubaneswar on 3rd august 2019.
8. Attended Indian Society of Anaesthesiologist conference (ISACON) East Zone conference, research Methodology workshop, held at AIIMS Bhubaneswar, in October, 2019.
9. Attended Compressive Symposium on ultrasound for anaesthesiologists (CUSA-2019) on 6th to 8th December 2019 at AIIMS New Delhi.
10. Attended orientation program of intern as Faculty during on 1st and 2nd January 2020.
11. Attended Continuing Nursing Education during held on 9th and 10th January 2020 as faculty at AIIMS Bhubaneswar.
12. Attended as organizing secretary for the workshop Point of Care Ultrasound in Acute Care, (POCUS-2020) held at AIIMS Bhubaneswar on 18th -19th January ,2020.

Dr. Chinmaya Dash

1. Presented a poster titled "C1-C3 Lateral Mass Fixation in Unstable Hangman Fracture: A Case Report" at Annual meeting of the Neurotrauma society of India NEUROTRAUMACON 2019 "held at Agra from 22nd – 25th August 2019
2. Attended "19th Annual Conference of Cerebrovascular Society of India "held at Bhubaneswar from 13th to 15th September 2019.
3. Attended the 3rd International Spine Congress and Operative workshop "as invited faculty and resource person conducted at AIIMS New Delhi from 19th to 22nd October 2019
4. Presented a paper titled "Do's and Don` t in surgical clipping of Giant ICA Aneurysm – lessons learnt "in "Vascular Neurosurgery Update -2019 "held at SGPGI Lucknow from 15th to 16th November 2019
5. Attended workshop on "Deep Brain Stimulation techniques" held at Mumbai on 4th December 2019
6. Presented a paper titled "Analysis of utility and radiation dose of CT scan following cranial surgery" at NSICON (Neurological Society of India Conference) held at Mumbai from 5th -8th December 2019
7. Attended the SGPGI "Surgical Neuro Oncology Update "held from 28th February -1st March 2020 as invited faculty and presented platform presentation titled "Endonasal endoscopic excision of tuberculom Sella meningioma "
8. Attended the 22nd AIIMS Annual Micro neurosurgery workshop" held at AIIMS New Delhi from 12th to 15th February 2020 as invited faculty and participated as judge for quiz contest held for neurosurgical residents

Dr. Saroj Kumar Patra

1. Participated and successfully passed in "Advance trauma life support" providers course held at JIPMER academic centre Pondicherry from 7th to 10th November 2019.
2. Participated and presented paper in 64th annual conference of Indian Orthopaedic association held at Kolkata from 19th to 24th November 2019.
3. Participated and presented paper in 44th annual conference of Odisha Orthopaedic association held at Bhubaneswar from 11th to 12th January 2020.
4. Participated in departmental CME on casting technique held at AIIMS, Bhubaneswar on 16th November 2019.

Dr. Sadanand Barik

1. Attended BLS workshop (WISSEN 3.0) as Faculty at AIIMS Bhubaneswar on 18th- 20th August, 2019.
2. Attended Cardiac life support at MKCG medical college, Berhampur as faculty on 16th February 2020
3. Attended Continuing Nursing Education during held on 9th and 10th January 2020 as faculty at AIIMS Bhubaneswar.

4. Attended Point of Care Ultrasound (POCUS) workshop organized by Dept of TEM at AIIMS Bhubaneswar on 18th-19th January 2020 as an organizing member.
5. Attended Annual Critical care conference at Hyderabad from 28th February to 1st March 2020

RESEARCH

Non - Funded

Departmental:

Ongoing:

1. Title of the project: Heart Failure in Emergency Department registry
Name of the principal investigator: Dr. Upendra Hansda
Funding agency: N.A.
Duration, start year: 2020
Funds: NA
IEC approval number: T/IM-NF/T&EM/19/40
2. Title of the project: Chest Pin in Emergency Department registry
Name of the principal investigator: Dr Sangeeta Sahoo
Funding agency: NA
Duration, start year: 2020
Funds: NA
IEC approval number: T/IM-NF/TEM/19/42
3. Title of the project. Correlation of ACL tear with type and site of meniscus injury and chondral damage in relation to duration of trauma.
Name of the principal investigator- Dr. Saroj Kumar Patra
Funding agency: NA
Duration, start year: 2019
Funds: NA
IEC approval number: T/IM-NF/T&EM/18/67

Completed:

1. Title of the project: Assessment of level of knowledge on basic life support among the ambulance personnel coming to the emergency department of a tertiary care hospital.
Name of the principal investigator: Dr. Upendra Hansda
Funding agency: N.A.
Duration, start year: 6 months, 2019
Funds: NA
IEC approval number: T/IM-NF/T&EM/18/67
2. Title of project: Tropical cyclone Fani-perspective from the emergency department of an affected tertiary hospital.
Name of the principal investigator: Dr. Chitta Ranjan Mohanty
Funding agency: N.A.
Duration, start year: 3 months, 2019
Funds: NA
IEC approval number: IEC NO- T/IM-NF/T&EM/19/21
3. Title of project: The effect of 'The Motor Vehicles (Amendment) Act, 2019'on the clinico-epidemiological profile of road traffic accident patients presenting to a tertiary care trauma center in Bhubaneswar
Name of the principal investigator: Dr. Chitta Ranjan Mohanty
Funding agency: N.A.
Duration, start year: 6 months, 2019
Funds: NA
IEC approval number: IEC NO- T/IM-NF/T&EM/19/45
4. Title of the project: Point of care versus central laboratory measurements of electrolytes and hemoglobin: A Prospective observational study in critically ill patients at AIIMS Bhubaneswar
Name of the principal investigator: Dr Sangeeta Sahoo
Funding agency: NA
Duration, start year: 2019
Funds: NA
IEC approval number: T/IM-NF/T&EM/19/33

- Title of the project. Post ACL reconstruction rehabilitation protocol: A comparative study between early accelerated vs delayed conservative regimen.
Name of the principal investigator: Dr Saroj Kumar Patra
Funding agency: NA
Duration, start year:2019
IEC approval number: T/IM-NF/T&EM/18/45

PUBLICATIONS

- Behera A, Devi S, Guru S, et al. A Rare Case of Multicentric Reticulohistiocytosis with Concurrent Rheumatoid Arthritis. *Cureus* 11(8): e5476. PMID- 31646135
- Singh N, Mohanty CR, Nayak BM, Mohanty GS. Point-of-care ultrasonography for fetal monitoring during non-obstetrical maternal surgery in the second trimester. *Can J Anaesth.* 2019 Jun;66(6):742-743. PMID: 30838522.
- Jain M, Tripathy PR, Mohanty CR. Post-total knee arthroplasty herpes zoster activation. *BMJ Case Rep.* 2019;12(4): e228639. Published 2019 Apr. PMID: 30954963
- Roncall BR, Bellapukonda S, Mohanty CR. Diencephalic syndrome: an anesthetic challenge. *BMJ Case Rep.* 2019;12(7): e230394. PMID: 31289170
- Mohanty CR, Sahoo AK, Panda R, Jain M. Gluteal compartment syndrome, a rare complication of lithotomy position and continuous postoperative epidural analgesia. *J Anaesthesiol Clin Pharmacol* 2019; 35:403-4. PMID: 31543595
- Rao PB, Mohanty CR, Singh N, Mund M, Patel A, Sahoo AK. Effectiveness of Different Techniques of Ethyl Chloride Spray for Venepuncture-Induced Pain: A Randomised Controlled Trial. *Anesth Essays Res.* 2019;13(3):568-571. PMID: 31602079
- Mohanty CR, Bellapukonda S, Ahmad SR. Seconds from disaster-crisis in critical care unit during tropical cyclone 'Fani.' *Journal of Clinical Anesthesia* 60 (2020) 72–73. PMID: 31473447
- Mohanty CR, Ahmad SR, Elyat A, Bellapukonda S, Panigrahi SK. Point-of-care ultrasonography: a boon for early localization and retrieval of a broken fragment of an external jugular venous catheter. *Korean J Anesthesiol.* 2020;73(1):77-78. PMID: 31597229
- Mohanty CR, Ahmad SR, Behera BK, Bellapukonda S. Difficult and failed airway in small neonates: Lightwand revisited. *J Anaesthesiol Clin Pharmacol.* 2020;36(1):130-131. PMID: 32174680
- Mohanty CR, Jain M, Dash C, Behera SS. Postpartum Paraparesis Due to Aggressive Vertebral Hemangioma Causing Spinal Cord Compression Presenting for Emergency Cesarean Section. *J Obstet Gynecol India.* 2019 Apr 1;69(2):185–7. PMID: 30956475
- Toufeeq M, Kodali MVRM, Gunturu S, Kumar K, Surapaneni K. Bilateral Dislocation of Mandibular Condyles following General Anesthesia-An Overlooked Problem: A Case Report. *Eur J Dent.* 2019;13(2):291-293. doi:10.1055/s-0039-1693528 PMID: 31539919
- Rana R, Patra SK, Khuntia S, Jain M, Patro BP. Traumatic posterior dislocation of hip with ipsilateral fracture of shaft of femur: Temporary fixator-assisted reduction and final fixation with interlocking nail. *Cureus*2019, 11(8): e5488. PMID 31656714
- Behera S, Patro BP, Das SS, Patra SK. Arthroscopic ankle fusion to manage sequel of loss of lateral malleoli in compound crushed ankle injury *Clin Orthop Trauma.* 2019 Oct;10(Suppl 1):S231-S233.. PMID -31695289
- Jain M, Sahu NK, Behera S, Rana R, Patra SK. Intra-tendinous patellar ganglion cyst may be the unusual cause of knee pain: A case report. *Cureus*2019, 11(8): e5467. PMID 31641563
- Patro BP, Behera S, Das SS, DAS G, Patra SK, PRABHAT V. Estimation of femoral neck anteversion in adults: A comparison between clinical method, radiography and computed tomography at a tertiary-care center in eastern India. *Cureus*2019, 11(4): e4469. PMID- 31249747

BOOK CHAPTERS

- Chinmaya Dash, Sumit Sinha. Cervicothoracic Junction Fractures: Editor- Sumit Sinha. Name of Book – Handbook of Neurotrauma, Vol1 Spinal Trauma. 1 st Edition. Publisher – Salubris. 129-140
- Chinmaya Dash, Sumit Sinha. Management of Thoracic and Thoracolumbar Fractures: Editor- Sumit Sinha. Name of Book – Hand book of Neurotrauma, Vol1 Spinal Trauma. 1 st Edition. Publisher – Salubris. 141-150

AWARDS, HONORS & SIGNIFICANT EVENTS

Dr. Upendra Hansda

- Passed the examinations of the fellowship course (FACEE) in emergency medicine.

Dr. Sangeeta Sahoo

1. Completed the examination of Fellowship in Academy College of Emergency Experts (FACEE) in Emergency Medicine.
2. Enrolled in diploma course in Ultrasonography in emergency care



Inauguration of MGPS by the Director, AIIMS Bhubaneswar



Welcoming first batch of Emergency Medicine MD students



Ongoing Construction of Trauma Building



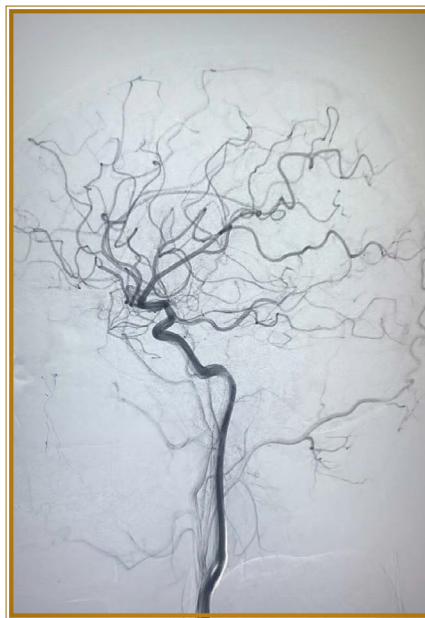
POCUS workshop



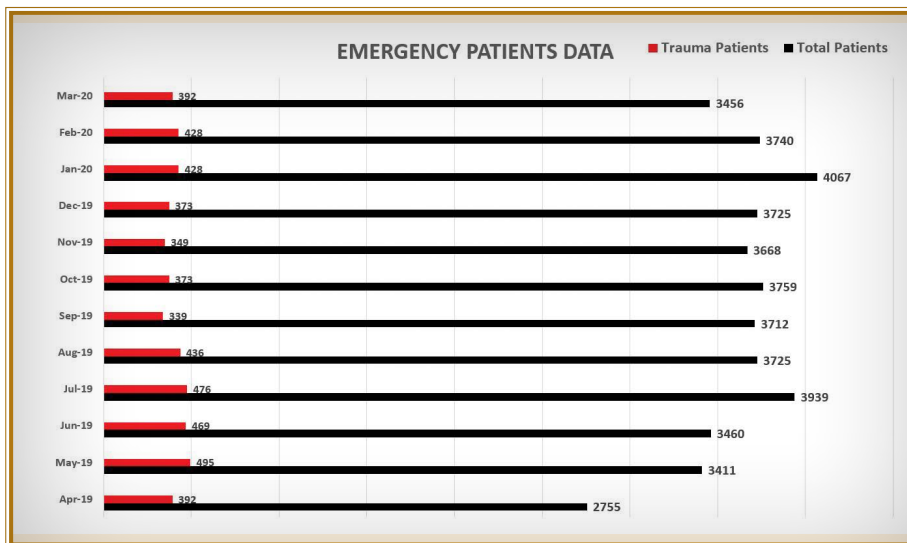
Participation by Faculty as Resource Person in Various Academic Meets/ Faculty presenting scientific papers in conference



Participation by Faculty as Resource Person in Various Academic Meets/ Faculty presenting scientific papers in conference



Cerebral DSA brain



ED statistics from April 2019 – March 2020



UROLOGY

UROLOGY

FACULTY

Dr Prasant Nayak
Additional Professor

Dr Swarnendu Mandal
Assistant Professor

Dr Manoj K Das
Assistant Professor

CONFERENCES/CME/WORKSHOP ATTENDED & LECTURE DELIVERED/ PAPER PRESENTED

Dr. Prasant Nayak attended

1. USICON 2020, held in Cochin, Kerala from 23rd -26th January, 2020 and delivered 2 invited lectures.
2. Société Internationale d'Urologie (SIU) Conference - held in Athens, Greece from 17th-20th October, 2020 – presented departmental work on female urethral strictures and laparoscopic radical cystectomy.

Dr Swarnendu Mandal

1. Attended RENOCON, held at MAX Hospital, Saket, Delhi June 2019- presented our experience on lap radical nephrectomy.
2. Attended "Masterclass in Uro-Oncology with Live Operative International Minimally Invasive Surgery Workshop " held at Safdurjung Hospital, Delhi September 2019.
3. Attended NZUSICON 29th Annual Conference of North Zone Urological Society of India from 15th to 17th November, 2019 held at Noida. – presented our experience in ventral BMGU for female urethral stricture and Enblock -TURBT. Presented my video in NZ got Talent Competition on "Various techniques for management of renal vein injury during laparoscopic radical nephrectomy.
4. Attended the 3rd National Workshop on R for Basic Biostatistics, 2019 from 24th to 27th September 2019 ,held by Department of Pharmacology, AIIMS, Bhubaneswar.
5. Attended LIVE LAP-URO 2020, held at Preeti Hospital, Hyderabad, 29th Feb To 1st March,2020.

Dr Manoj K Das

1. Attended USICON 2020 at Kochi from 23rd -26th January, 2020.
2. Attended "16th Congress of the Asian Society of Transplantation (CAST 2019)" from 29th September to 2nd October 2019 at India Exposition Mart, Greater Noida, Delhi/NCR.
3. Attended "Renal Transplant Update 2019-Basics and Beyond" at Sir Ganga Ram Hospital, New Delhi from 12th to 13th October 2019.

RESEARCH

Funded Projects:

Ongoing:

1. Title of the project. Feasibility of partial nephrectomy (PN) in Clear cell Renal Cell Carcinoma (cRCC) after down-staging with neo-adjuvant pazopanib in patient not otherwise suitable to PN
Name of the principal investigator ; Dr Swarnendu Mandal
Funding agency:_AIIMS,BBSR
Duration, start year: 1 year, 2019 Funds: Rs.500000/-
IEC approval number: T/IM-F/Urology/19-20/12

Departmental:

Ongoing :

1. Title of the project. Role Of Abiraterone plus Prednisolone with Androgen Deprivation Therapy (ADT) versus ADT alone in Hormone Sensitive Metastatic Carcinoma Prostate In Indian Men; A RCT.
Name of the principal investigator: Dr Swarnendu Mandal
Funding agency: nil
Duration, start year: 1 year, 2019 Funds: Rs. Nil
IEC approval number: T/IM-NF/Urology/19/66

PUBLICATIONS

1. Nayak P, Mandal S, Das M .Ventral Inlay Buccal Mucosal Graft Urethroplasty For Female Urethral Stricture. Indian J Urol.2019;35(4):273-77. PMID: 31619865
2. Das MK et al. Fungal Balls Mimicking Renal Calculi: A Zebra Among Horses. Endourol Case Rep. 2019 Dec 2;5(4):167-170. PMID: 32775655
3. Kumar G . LATITUDE: A landmark trial for high-risk metastatic castration-sensitive Prostate Cancer; Final overall survival analysis. Indian J Urol.2020;36 (1):71-2. PMID: 31983834
4. Agarwal S . Role of 225Ac-PSMA-617 in chemotherapy-naive patients with advanced prostate cancer; is it the new beginning? Indian J Urol.2020;36 (1):69-70. PMID: 31983833

PATIENT CARE / HOSPITAL SERVICES

Department of Urology is currently offering –

1. Urolithiasis – Advanced Stone Treatments like PCNL, Mini-PCNL, RIRS etc.
2. Surgical treatments for BPH – Bipolar TURP, TUEB
3. Uro-Oncological Services – Bipolar TURBT, Laparoscopic/Open Radical Cystectomy with PLND, Laparoscopic/Open Radical Nephrectomy/Nephroureterectomy with PLND, Laparoscopic/Open Adrenalectomy, Laparoscopic/Open Radical Prostatectomy with PLND.
4. Reconstructive Urology – All forms of Anastomotic and Flap/Substitution Urethroplasty.
5. Paediatric Urology – Hypospadias repair, Laparoscopic Pyeloplasty, Laparoscopic Ureteric Reimplantation.
6. Functional Urology – Assessment and treatment of Voiding disorders, Incontinence, Chronic Pelvic/Bladder Pain, Erectile Dysfunction, Male Infertility and other Andrological and Transitional Urological Issues.



INTERNAL COMPLAINTS
COMMITTEE (ICC) ON
SEXUAL HARASSMENT ACT

INTERNAL COMPLAINTS COMMITTEE (ICC) ON SEXUAL HARASSMENT ACT

THE ICC, AIIMS BHUBANESWAR CONSTITUTES

Dr Baijayantimala Mishra (Prof. Microbiology department)	Chairperson, ICC
Dr Sonu H Subba(Prof, CMFM department)	Member
Dr Pravas Ranjan Mishra(Addl. Prof, Anatomy department)	Member
Dr Manisha Kar (Asso.Prof, Physiology department)	Member
Dr Suchitra Kumari (Asso. Prof, Biochemistry Department)	Member Secretary
Mr Bhima Surendra Babu(Nursing Tutor)	Member
Mrs Namrata Chadha	External Expert

Following is the data of activities of ICC, AIIMS Bhubaneswar during the period of 2019-2020

1. Number of complaints received: Nil
2. Number of on-going complaint and report submitted within stipulated period: 01(one)
3. Number of complaint pending- Nil
4. Details of sensitization programme arranged: One sensitisation programme was held for newly joined nursing staff of AIIMS Bhubaneswar during the said period.

Details of the programme:

Internal Complaints Committee (ICC) of AIIMS Bhubaneswar had conducted 6th sensitization program on “sexual harassment of women at work place” on 08th April 2019 from 2:30 to 5:00 PM for newly joined nursing staffs of AIIMS Bhubaneswar.

The program was attended by around 100 newly joined nursing staffs. Prof. Baijayantimala Mishra, Chairperson of ICC welcomed the newly joined nursing staffs and apprised them about the prevailing law and how it is conceived. Prof. Vikas Bhatia, Dean and Acting Director, AIIMS Bhubaneswar, addressed the gathering and appraise them about the concern of AIIMS, BBSR, the steps taken towards the safety of women in the institute and urged the nursing staffs to utilize the opportunity to understand the law. He further emphasized the importance of acceptance of third gender at work place. Mrs. Namrata Chadda, Social Activist and Advocate enlightened the nursing staffs regarding Sexual harassment of women at work place (Prevention, prohibition and redressal) Act 2013. She explained the law with various examples from different walks of life. This was followed by an open discussion with the participants. The event concluded with a vote of thanks offered by Dr Suchitra Kumari, Member Secretary, ICC, AIIMS Bhubaneswar.



The Organizing team, ICC Members of AIIMS, BBSR



The Chairperson of ICC addressing the Participants of the workshop (April, 2019)



The Sixth session (April, 2019) of the sensitization Program. Dean and acting Director AIIMS,BBSR addressing the august gathering.

1. ICC installed signage boards at different places of AIIMS premises to sensitize regarding non tolerance of sexual harassment at workplace.
2. Counselling has been provided by the ICC chairman and members to female employees of AIIMS Bhubaneswar whenever sought by them.



FEEDBACK

MERA ASPATAAL PERFORMANCE REPORT

For the period: 30-Aug-2020 to 26-Sep-2020

As On:29-Sep-2020 11:03:47

State: Odisha

Facility: AIIMS Bhubaneswar

Indicator: All

Dissatisfaction Indicator: All

Report Type: Cumulative Report

Sr. No	Indicators	Total
1	Patient Visits	38,478
2	Patients with Valid Phone Numbers	8,380
	Patients with valid phone numbers (%)	22
3	Total Responses	697
	Total responses (%)	8
3.1	Very Satisfied	238
	Very Satisfied (%)	34
3.2	Satisfied	258
	Satisfied (%)	37
3.3	Not Satisfied	201
	Not Satisfied (%)	29
4	Total responses for dissatisfaction	148
4.1	Staff behaviour	55
	Staff behaviour (%)	37
4.2	Cleanliness	19
	Cleanliness (%)	13
4.3	Cost of treatment	20
	Cost of treatment (%)	14
4.4	Quality of treatment	2
	Quality of treatment (%)	1
4.5	Other reasons	52
	Other reasons (%)	35
5	Total responses for dissatisfaction with staff behaviour	112
5.1	Doctor	44
	Doctor (%)	39
5.2	Nurse	14
	Nurse (%)	13
5.3	Laboratory/X-Ray technician	12

	Laboratory/X-Ray technician (%)	11
5.4	Pharmacist	8
	Pharmacist (%)	7
5.5	Ward boy	0
	Ward boy (%)	0
5.6	Other Staff	34
	Other Staff (%)	30
6	Total responses for dissatisfaction with cleanliness	73
6.1	Patient registration and waiting area	35
	Patient registration and waiting area (%)	48
6.2	wards	1
	wards (%)	1
6.3	Examination room and table	8
	Examination room and table (%)	11
6.4	Corridors	10
	Corridors (%)	14
6.5	Toilet	12
	Toilet (%)	16
6.6	Bed sheets	1
	Bed sheets (%)	1
6.7	General surrounding	6
	General surrounding (%)	9
7	Total responses for dissatisfaction with cost of treatment	49
7.1	Medicines and Supplies	9
	Medicines and Supplies (%)	18
7.2	Investigations	12
	Investigations (%)	24
7.3	Informal payment	28
	Informal payment (%)	58
8	Total responses for dissatisfaction with quality of treatment	4
8.1	No relief in symptoms	1
	No relief in symptoms (%)	25
8.2	Health condition worsened	1
	Health condition worsened (%)	25
8.3	Doctor did not listen carefully	1
	Doctor did not listen carefully (%)	25

8.4	Inadequately skilled nurses	1
	Inadequately skilled nurses (%)	25
8.5	Poor quality of food	0
	Poor quality of food (%)	0
9	Total responses for dissatisfaction with other reasons	45
9.1	Long waiting time	22
	Long waiting time (%)	49
9.2	Inadequate information	7
	Inadequate information (%)	16
9.3	Lack of amenities	7
	Lack of amenities (%)	16
9.4	Lack of support	1
	Lack of support (%)	2
9.5	Overcrowding	1
	Overcrowding (%)	2
9.6	Any other	7
	Any other (%)	15



ACCOUNTS

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

BALANCE SHEET AS AT 31st MARCH, 2020

(Amount Rs.)

PARTICULARS	Schedule	Current Year (2019-20)	Previous Year (2018-19)
CORPUS/CAPITAL FUND AND LIABILITIES:			
CAPITAL FUND	1	4,24,47,27,802.99	3,09,93,76,846.59
RESERVES AND SURPLUS	2		
EARMARKED/ENDOWMENT FUNDS	3	7,00,000.00	7,00,000.00
SECURED LOANS AND BORROWINGS	4		
UNSECURED LOANS AND BORROWINGS	5		
DEFERRED CREDIT LIABILITIES	6		
CURRENT LIABILITIES AND PROVISIONS	7	51,79,80,525.17	49,64,60,403.65
TOTAL:		4,76,34,08,328.16	3,59,65,37,250.24
ASSETS:			
FIXED ASSETS	8	3,79,82,43,495.98	2,81,95,48,279.38
INVESTMENTS-FROM EARMARKED/ENDOWMENT FUNDS	9	7,00,000.00	7,00,000.00
INVESTMENTS-OTHERS	10		
CURRENT ASSETS, LOANS, ADVANCES ETC.	11	96,44,64,832.20	77,62,88,970.88
MISCELLANEOUS EXPENDITURE (to the extent not written off or adjusted)			
TOTAL:		4,76,34,08,328.16	3,59,65,37,250.24
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

INCOME AND EXPENDITURE ACCOUNT FOR THE PERIOD/YEAR ENDED 31st MARCH, 2020
(Amount Rs.)

PATICULARS	SCHEDULE	Current Year (2019-20)	Previous Year (2018-19)
INCOME			
Income from Sales/Services	12		
Grant/Subsidies	13*	2,95,66,37,724.56	2,11,02,41,623.00
Fees/Subscription	14*	46,90,144.94	40,06,014.00
Income from Investments (Income on Investment from earmarked/endow funds transferred to Funds)	15	53,126.00	1,58,820.00
Income from Royalty, Publication etc.	16	-	-
Interest Earned	17*	6,37,06,162.66	4,39,48,429.00
Other Income	18*	11,87,89,904.10	8,56,62,695.00
Increase/(decrease) in stock of Finished goods on works-in-progress	19	-	-
TOTAL (A)		3,14,38,77,062.26	2,24,40,17,581.00
EXPENDITURE			
Establishment Expenses	20*	1,76,28,90,315.00	1,37,02,73,227.00
Other Administrative Expenses etc.	21*	1,15,41,70,011.86	1,00,96,17,099.53
Expenditure on Grants, Subsidies etc.	22*	1,08,12,784.00	69,00,648.00
Interest	23		
Depreciation (Net Total at the year-end-corresponding to Schedule 8)		28,90,26,155.00	25,49,54,497.00
Depreciation (Prior Period Expenditure)		1,90,76,840.00	
TOTAL (B)		3,23,59,76,105.86	2,64,17,45,471.53
Balance being excess of Income over Expenditure (A-B)		(9,20,99,043.60)	(39,77,27,890.53)
Transfer to Endowment Fund for Medal		-	-
Transfer to /from General Reserve		-	-
BALANCE BEING SURPLUS/(DEFICIT) CARRIED TO CORPUS/CAPITAL FUND		(9,20,99,043.60)	(39,77,27,890.53)
SIGNIFICANT ACCOUNTING POLICIES	24		
CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS	25		

Note: " * " These schedules reflect items in Income & Expenditure Statements.

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019
RECEIPTS & PAYMENTS FOR THE PERIOD/YEAR ENDED 31st MARCH, 2020

		(Amount Rs.)		
RECEIPTS	Schedule	Current Year (2019-20)	Previous Year (2018-19)	Current Year (2019-20)
I. Opening Balances				
a) Cash in Hand		66,345.00	54,799.00	1,73,93,75,243.96
b) Bank Balances				1,17,03,68,389.86
j) In Current A/C No-5564201100000345				
ii) In Current A/C No-557820110000006		(6,43,69,688.28)	(1,56,64,874.48)	
iii) On Auto Sweep Account			88,11,00,311.00	
iv) On Patient Treatment A/C-557820110000019		25,52,299.00	25,37,806.00	
v) In Deposit Account		7,00,00,000.00	7,00,00,000.00	
vi) On Research Account-557820110000020		8,89,135.62	27,12,177.94	
On Endowment A/c-557820110000021			17,674.00	
On GPF A/c-557820110000022			12,73,356.00	
On IR A/c-557820110000032		(1,05,86,618.09)	18,08,98,272.50	
On Application A/c-557820110000026		2,36,19,993.50	2,36,19,993.50	
On Pension Fund A/c-557820110000023		25,20,106.00	25,20,106.00	
On Auto Sweep Account		38,06,73,477.00		
On Auto Sweep Account - Research		2,40,40,033.00		
On Auto Sweep Account -19		25,06,408.00		
On Auto Sweep Account -23		9,75,000.00		
On Auto Sweep Account -32		22,40,89,335.00		
On Auto Sweep Account -44		10,05,379.00		
On CME A/c-557820110000033		39,900.00		
On RAN Pateint A/c-45		20.00		
On RBSK-557820110000046		1,94,798.00		
On Extranal Funded Project A/c-1144		1,91,48,120.80		
On Poor Pateint A/c-55782011000044		25,58,425.00		
On Debit Card		19,351.00		
II. Grants Received				
a) From Government of India	13	1,23,56,00,000.00	20,50,00,000.00	
Capital	13	2,83,44,00,000.00	2,07,18,00,000.00	
Revenue				
Capital-DDAP	13	18,50,000.00		
Revenue-DDAP	13	75,50,000.00		
b) From State Government				
c) From Other Sources	13	11,40,87,129.56	3,84,41,623.00	
III. Income on Investments from:				
a) Earmarked/Endowment Funds				
i) Student Benvolent Fund		46,397.00	19,813.00	
ii) Caution Money from Students		3,000.00	32,750.00	
iii) Interest out of Endowment fund - Gold Medal	15	53,126.00	53,126.00	
b) Own Funds (Other than investment)				
c) Research Grant - unutilised		1,39,07,069.94	1,02,41,561.68	
f) CME Fund - Pending Utilisation		88,515.00	29,400.00	
g) External Agencies- Pending Utilisation		5,45,233.00	72,000.00	
IV. Interest Received				
a) On Bank Deposits	17	9,53,90,576.63	3,90,18,875.00	
PAYMENTS				
I. Expenses				
a) Establishment Expenses	20			1,73,93,75,243.96
b) Administrative Expenses	21			1,17,03,68,389.86
II. Payment made against funds for various projects	22			1,08,12,784.00
III. Investments and Deposits made				
a) Out of Earmarked/Endowment Funds				
b) Out of Own Funds (Investment others)				
IV. Expenditure on Fixed Assets				
a) Purchase of Fixed Assets	8			66,31,07,692.18
b) Expenditure on Capital Work-In-Progress	8			62,48,86,706.88
V. Refund of Surplus Money/Loans				
a) To the Government of India				
b) To the State Government				
c) To Other providers of fund				
VI. Finance Charges				
VII. Other Payments (Specify)	11			

RECEIPTS & PAYMENTS FOR THE PERIOD/YEAR ENDED 31st MARCH, 2020

RECEIPTS	Schedule	Current Year (2019-20)	Previous Year (2018-19)	PAYMENTS	Schedule	Current Year (2019-20)	Previous Year (2018-19)
V. Other Income (Specify)				a) Advance for Capital Expenses b) Advance for Expenses Employees c) Advance for Expenses (Others) d) Security Deposits		(4,84,11,245.00) (15,09,662.00) 93,98,717.00 2,80,000.00	2,34,50,557.00 16,912.00 20,01,600.00
a) Application Fees	14	8,32,422.94	13,59,570.00	VIII. Closing Balances	11	3,555.00	66,345.00
b) Admission Fees (Students)	14	12,94,862.00	11,45,199.00	a) Cash in Hand			
c) Examination Fees	14	52,760.00	34,410.00	b) Bank Balances			
d) Other Fees	14	25,10,100.00	14,66,835.00	On Current Accounts			
				Bank of India A/c No-557820110000006		(8,19,12,910.97)	(6,43,69,688.28)
				Deposit Accounts (includes margin money)			7,00,00,000.00
				On Research Account-557820110000020		1,88,861.22	8,89,135.62
				On Patient Treatment A/c-557820110000019		24,46,481.96	25,52,299.00
				On Endowment A/c-557820110000021			
				On GPF A/c-557820110000022			24,58,356.00
				On IR A/c-557820110000032		26,06,386.49	(1,05,86,618.09)
				On Application A/c-557820110000026		50,19,506.72	2,36,19,993.50
				On Pension Fund A/c-557820110000023		25,19,456.96	25,20,106.00
VI. Amount Borrowed/Advance				On Auto Sweep Account		61,10,92,184.00	38,06,73,477.00
EMD from Contractors		8,09,401.00	(50,65,795.00)	On Auto Sweep Account - Research		2,67,65,256.00	2,40,40,033.00
				On Auto Sweep Account -19		1,37,72,153.00	25,06,408.00
				On Auto Sweep Account -23		10,98,130.00	9,75,000.00
				On Auto Sweep Account -32		30,72,95,127.00	22,40,89,335.00
				On Auto Sweep Account -44		7,56,581.00	10,05,379.00
				On Auto Sweep Account -26		1,86,12,740.00	39,900.00
				On CME A/c-557820110000033		1,29,026.00	20.00
				On RAN Pateint A/c-45			1,94,798.00
				On RBSK-557820110000046		12,73,848.96	1,91,49,120.80
				On Extranal Funded Project A/c-1144		1,09,19,314.80	25,58,425.00
				On Poor Pateint A/c-55782011000044		25,01,446.96	19,351.00
				On Debit Card		42,136.00	
				On Fixed Deposit in GPF Account			
				On PMJJAY Ayushman Bharat A/c-55782011000049		75,000.00	
				On Biju Swasthya Kalyan Yojana A/c-55782011000053		29,78,158.74	
				-On Research Grant SB A/c-557820110001311		1,36,29,062.00	
VII. Any Other Receipts	18	11,86,98,360.10	8,55,49,793.00				
TOTAL:		5,11,01,20,128.72	3,59,82,68,782.14	TOTAL:		5,11,01,20,128.72	3,59,82,68,782.14

Contd...

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31st MARCH, 2020

DETAILS OF SCHEDULE-1 : CORPUS/CAPITAL FUND

PARTICULARS	Current Year (2019-20) (In Rs.)	Previous Year (2018-19) (In Rs.)
Balance as at beginning of the year	3,09,93,76,846.59	3,29,21,04,737.12
Add: Contribution towards Corpus/Capital Fund	1,23,74,50,000.00	20,50,00,000.00
Add/(Deduct): Balance of net income/(expenditure) transferred from the Income and Expenditure Account	(9,20,99,043.60)	(39,77,27,890.53)
	-	
Balance as at the year end	4,24,47,27,802.99	3,09,93,76,846.59

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-2 : RESERVES AND SURPLUS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
1. Capital Reserve:				
As per last Account				
Addition during the year				
Less: Deductions during the year		-		-
2. Revaluation Reserve				
As per last Account				
Addition during the year				
Less: Deductions during the year		-		-
3. Special Reserve				
As per last Account				
Addition during the year				
Less: Deductions during the year		-		-
4. General Reserve				
As per last Account				
Addition during the year				
Less: Deductions during the year		-		-
TOTAL:		-		-

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCE, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-3 : EARMARKED/ENDOWMENT FUNDS

PARTICULARS	FUND-WISE BREAK UP	TOTAL	
	Fund for Medals	Current Year (2019-20)	Previous Year (2018-19)
a) <u>Opening balance of the funds</u>			
b) <u>Addition to the Funds:</u>			
i. Donation/grants	7,00,000.00	-	7,00,000.00
ii. Income from investments made on account of funds			
iii. Other additions (Specify nature) Interest out of Endowment fund for Gold Medal			-
TOTAL: (a+b)	7,00,000.00	-	7,00,000.00
c) <u>Utilisation/Expenditure towards objectives of funds</u>			
i. <u>Capital Expenditure</u>			
- Fixed Assets			
- Others			
<u>Total</u>			
ii. <u>Revenue Expenditure</u>			
- Salaries, Wages and Allowances etc.			
- Rent			
- Other Administrative expenses			
<u>Total</u>			
TOTAL: c			
NET BALANCE AS AT THE YEAR END (a+b-c)	7,00,000.00	-	7,00,000.00
Notes			
<p>1) Disclosures shall be made under relevant heads on conditions attaching to the grants. 2) Plan Funds received from the Central/State Governments are to be shown as separate Funds and not to be mixed up with any other Funds.</p>			

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-4 : SECURED LOANS AND BORROWINGS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
1. Central Government				
2. State Government (Specify)				
3. Financial Institutions				
a) Term Loans				
b) Interest accrued and due				
4. Banks				
a) Term Loans				
- Interest accrued and due				
b) Other Loans (Specify)				
- Interest accrued and due				
5. Other Institutions and Agencies				
6. Debentures and Bonds				
7. Others Specify				
Total				
Note: Amounts due within one year				

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-5 : UNSECURED LOANS & BORROWINGS

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Central Government		
2. State Government (Specify)		
3. Financial Institution		
4. Banks:		
a) Term Loans		
b) Other Loans (specify)		
5. Other Institutions and Agencies		
6. Debentures and Bonds		
7. Fixed Deposits		
8. Others (Specify)		
TOTAL:		
Note: Amounts due within one year		

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-6 : DEFERRED CREDIT LIABILITIES

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
a) Acceptances secured by hypothecation of capital equipment and other assets		
b) Others		
TOTAL:		
Note: Amounts due within one year		

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-7 : CURRENT LIABILITIES AND PROVISIONS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
A. CURRENT LIABILITIES				
1. Acceptances			-	-
2. Sundry Creditors:				
a) For Goods				-
b) Others		13,39,77,880.00		12,34,74,631.00
A K Dey & Night Medicine Store	-		11,90,728.00	
A K Distributors	2,72,421.00			
Alakananda Advertiserment Pvt. Ltd	3,86,484.00		11,31,222.00	
Ananda Industrial Gases	72,360.00			
Axxess Medicom Private Limited	27,10,550.00		1,22,316.00	
Adeline Pharma P Ltd	-		33,090.00	
Advocates	2,12,400.00		50,670.00	
Ajay Kumar Mohanty	-		18,32,570.00	
Apex. Mumbai	-		8,603.00	
Aatiq Power Solution India P Ltd	-		21,838.00	
Access odisha Power Solution P Ltd	13,570.00			
Agrawal Pharmaceuticals	1,49,657.00			
Ajanta Pharmaceuticals	1,64,500.00			
Apurva Alliance	2,31,595.00			
Astor Inc-Patient Daitary Service	23,84,686.00			
Anup Bose	81,700.00			
Balmer Lawrie & Co Ltd (Travel Exp.)	2,80,963.00		10,02,489.00	
Board of Rediation & Lsotope Technology	47,790.00		14,479.00	
Bombay Intelligent Security Services	2,44,01,708.00		1,36,23,836.00	
Book Allowances Payable	4,000.00		30,000.00	
Batra Swain & Associates	-		15,753.00	
Bharati Enterprise	37,100.00			
Bharat Peast Management	1,47,996.00			
Business Systems Incorporate	21,536.00			
Blue Star Ltd	8,58,949.00			
Capital Traders	1,33,501.00		1,33,501.00	
CESU (Electricity Charges)	3,66,11,980.00		6,81,69,470.00	
CL Micromed Pvt Ltd	-		4,93,553.00	
Cash Prize Payable	-		5,000.00	
Care & care	-		5,43,217.00	
Creative Communications	-		9,408.00	
Crystal Vision	-		23,541.00	
CEA	18,63,000.00		81,000.00	
Durga Supply Agencies	9,63,888.00		15,58,898.00	
Dr Prabhas Ranjan Tripathy	3,408.00			
Dr Sandeep Kumar Panda	6,520.00			
Debanarayn Bose	2,31,479.00			
Debjyoti Miilennium Pvt Ltd	78,470.00			
Examination Expenses - Liabilites	-		5,05,806.00	
Extra Duty Allowance Payable	-		83,300.00	
Eureka Forbes Ltd	-		64,416.00	
Eklavya Sales	97,100.00			
Fast Track Diagnostics Private Lintied	1,36,925.00			
Goenka Enterprises	23,500.00			
Golden Hospitality Services P Ltd	76,39,482.00			
Happy Travels (Hiring Cnarges of Vehicle)	10,61,493.00		12,86,998.00	
Harsh Tour & Travels	13,818.00			
HLL Infratech Services Pvt Ltd	-		35,041.00	
HLL lifecare Limited	84,06,132.00		14,25,690.00	
Intramural Research Exp payable	-		4,660.00	
Imprest of officer payable	-		36,226.00	
Indian Instrument	-		8,909.00	
I nsta Traders	1,12,250.00			
Jackson Limited	42,02,300.00			
Johanson Lifts P limited	-		11,66,576.00	

DETAILS OF SCHEDULE-7 : CURRENT LIABILITIES AND PROVISIONS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
Jigsaw Mercantile P Ltd	15,41,556.00			
Jayashree Enterprises	3,40,200.00			
Kamal Enterprises Bhubaneswar	-		1,72,210.00	
Khadi Gramudyog Vikars Samit	32,89,980.00			
Lab Pro Odisha	72,783.00			
Legal Charges Payable	2,340.00			
Luminous Infoways p ltd	-		4,98,600.00	
Linder India Limited	2,71,167.00			
Medilloyd Medicament P Ltd	9,77,119.00		2,60,548.00	
Maa Kanak Durga	-		27,50,521.00	
Maa Laxmi Fabricator	14,500.00		14,500.00	
Misc. Expenditure Payable	31,847.00			
Maa Batamangala Electricals	3,50,029.00			
MDD Medical System Pvt Ltd	8,17,600.00			
Medical Superintendent Office	1,000.00			
Medilab & co	26,51,932.00			
Medi Plus	68,88,701.00			
Medonix Surgicare Ganjam	22,696.00			
Medi Link Info Services	1,48,517.00			
Nishakar Sahoo - Liabilities	-		35,899.00	
Natraj Pharmaceuticals	-		7,23,673.00	
NIFT (Mess Charges)	91,575.00		91,575.00	
Noble Enterprises	74,373.00		41,377.00	
Naivedya Enterprise	2,53,125.00			
Nodal officer balasore satlite center	-		50,501.00	
National Co-operative Consumer federation	2,28,455.00			
Odisha Scientific House	1,13,610.00			
Orican Systems P Limited	11,400.00		10,390.00	
Pradeep Ku Mahallik-Liabilities	-		1,03,724.00	
Pattanaik Scientific Supply Syndicate	2,23,565.00		12,044.00	
Postal Charges Payable	13,723.00		9,750.00	
Prem kumar Mohanty	-		2,340.00	
Prachi Computers	-		5,200.00	
Ppremlata Tyres	-		2,37,840.00	
Philips India Ltd	2,18,909.00			
Prasanta Enterprise	3,48,477.00			
Pristine Bio Chemical	6,24,416.00			
Rajesh Mohanty	-		4,14,611.00	
Ranjan Printer & Suppliers	3,87,750.00		2,03,000.00	
Reimbursement of News paper Bill Payable	1,30,374.00		61,460.00	
Rana Enterprise	10,17,647.00		26,99,406.00	
Recruitment Expenses	95,175.00			
Rabindra Surgical Pvt Ltd	9,30,502.00			
Sani clean private limited	4,70,031.00		1,63,363.00	
Sasthi Infotech	75,331.00			
satyam health care	18,10,070.00			
Scropia India Medicare P Limited	10,000.00			
Sanjukta Enterprise	-		596.00	
Security & Intelligence Services (I) Ltd	78,42,066.00		63,44,367.00	
S M Enterprise	-		2,62,845.00	
Shree Sai Service	9,17,325.00		15,82,454.00	
Siemens Healthcare P Ltd	14,37,770.00		86,671.00	
Smruti Ranjan Rout	-		33,50,094.00	
Sulabh International (Cleaning Charges)	-		53,82,859.00	
Swosti Premium Limited	16,798.00		8,520.00	
S M Water Solutions	-		4,67,577.00	
Sukanti Behera	23,506.00		17,567.00	
Sunshine E office Solutions	-		4,568.00	
Shree Shyam Traders	65,700.00			
shree Traders	1,14,950.00			
Sitaram Tripathy	2,567.00			
Synergy Scientific Private Limited	56,892.00			
Sushruta Hospital Solutions	2,47,864.00			
Sushruta Surgicals Pvt Ltd	8,53,440.00			

DETAILS OF SCHEDULE-7 : CURRENT LIABILITIES AND PROVISIONS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
Terumo Penpol Private Limited	3,67,979.00		20,27,271.00	
Travelling Expenses Payable	17,68,316.00		2,23,372.00	
Telephone Charges Payable	8,95,033.00			
Uma Fire Service	6,87,409.00			
Unique Distributors	-		1,20,392.00	
Vikash Medical Devices	64,579.00			
Vijaya Gas	-		2,83,403.00	
Water Charges Payable	-		36,739.00	
		68,23,557.54		1,30,95,572.00
A 2 Z Traders-Assets	-		24,343.00	
Ahuja Books Company - Assets	10,779.00			
Adage Medical Systems- Assets	-		1,48,000.00	
Atom Science Private Limited	1,800.00			
BMJ Publication Group Ltd	15,95,309.54			
Caltech Life Sciences-Assets	-		5,70,000.00	
Chromlife INC-Assets	-		1,63,800.00	
Cem India	8,83,200.00			
Durian Industries	39,990.00			
Gaurav Enterprises	-		26,900.00	
Gita Infovision private limited-assets	-		2,02,772.00	
Insta Traders	1,19,500.00		3,84,232.00	
Jay Computer & Communication, Cuttack-Assets	-		1,14,342.00	
Jaypee Brother Medical Publishers- Assets	29,962.00		17,397.00	
JJ Surgical	1,99,892.00			
K K Infrastructure	-		20,700.00	
KP Technology	-		34,734.00	
Maa Durga Assocites	-		66,39,020.00	
Medonix Surgicare- Assets	-		29,150.00	
MDD Medical System Pvt Ltd	10,73,134.00			
Mital & Mital Associates	97,661.00			
National Co-operative Consumer federation	45,867.00			
Dot Matrix Retail Paraigm Pvt Ltd	1,46,250.00			
Odisha Medical Supplies Company	1,57,360.00			
Power Max- Assets	-		2,41,000.00	
Premier Surgicals-Assets	-		2,45,000.00	
Pristine bio chemical- Asssets	-		74,750.00	
Progility Technology p ltd-assets	-		1,62,923.00	
Rabindra Surgical Pvt Ltd - Assets	1,83,541.00		16,28,185.00	
Research Books & Periodicals Private Limited - Assets	10,297.00			
Real Time Health Care	3,01,339.00			
Shree Jaganath Enterprises	19,350.00			
Swosti Computers- Assets	-		2,28,920.00	
Sushruta Hospital Solutions - Assets	-		13,87,592.00	
Smith & Nephew Health Care Ltd	10,19,779.00			
Sudarsan Agency	2,49,500.00			
sarat book house	33,371.00			
Uमित Surgical Industries-Assets	-		35,597.00	
Vishal Surgical Equipment Co - Assets	-		4,58,975.00	
Vishat Diagnostics P Limited - Assets	-		2,57,240.00	
Water Kluwer India Ltd	2,25,736.00			
Vijoya Subscription & Distribution	3,79,940.00			
3. Advances Received				
4. Interest accrued but not due on:				
a) Secured Loans/borrowings				
b) Unsecured Loans/borrowings				
5. Statutory Liabilities:		3,86,23,154.06		4,53,53,126.02
a) Overdue				
b) Others				
TDS-Income Tax Payable-Non-Salary	10,771.00		66,24,060.00	
TDS- On GST Payable	36,78,533.00		28,07,390.00	
Professional tax payable	2,78,000.00		(1,200.00)	
NPS Deduction	38,48,790.02		1,67,19,570.02	
CPF & EPF Contributions	10,57,289.00		12,70,578.00	

DETAILS OF SCHEDULE-7 : CURRENT LIABILITIES AND PROVISIONS

PARTICULARS	CURRENT YEAR (2019-20) (In Rs.)		PREVIOUS YEAR (2018-19) (In Rs.)	
E H S Contributions	1,79,71,877.00		90,80,508.00	
Licence Fees/ LIC/ CGHS/GIS/GSLI	2,85,845.00		2,14,840.00	
Misc. Recovery/Electricity/ PF Recovery	61,50,219.00		37,78,899.00	
GPF Fund	-		13,78,353.00	
Pension Fund	34,95,103.00		34,95,103.00	
Security Deposit From student	(14,975.00)		(14,975.00)	
GPF Employee's Contribution	12,23,420.00			
General Purpose Advance	47,206.00			
House Building Advance	63,410.00			
Motor Cycle Advance	16,800.00			
GPF Employer Contribution Payble	5,10,866.04			
6. Other Current Liabilities		2,23,296.00		1,73,899.00
a) Fees Refundable to students	45,856.00		45,856.00	
Student Benevolent Fund	1,02,395.00		55,998.00	
Caution Money from Students	75,045.00		72,045.00	
b) Earnest Money Deposit	-	1,03,38,828.00		95,29,427.00
c) Salary Payable		17,76,01,222.00		17,40,57,806.00
Regular Staff	16,38,28,371.00		13,79,61,088.00	
Contractual Staff	-		14,75,278.00	
Stipend Payable	28,96,604.00		30,48,274.00	
Remuneration Payable	3,78,542.00		1,15,980.00	
LRA Payable	1,04,97,705.00		3,14,57,186.00	
d) Other Payables		11,22,23,094.00		10,71,47,267.00
Internal Electrical BOQ	20,88,693.00		20,88,693.00	
Recovery of Mobilisation Advance - Principal	2,33,09,739.00		2,33,09,739.00	
Recovery of Mobilisation Advance - Interest	36,09,175.00		36,09,175.00	
Recovery of Secured Advance	3,30,46,817.00		3,30,46,817.00	
Performance Security	4,72,028.00		2,12,606.00	
Security Kept from Contractors	1,89,17,437.00		1,57,39,351.00	
Withheld Amount from Contractors	3,07,74,485.00		2,91,40,886.00	
Workshop Money Payable	4,720.00			
e) Research Grant - Pending Utilisation	-	3,74,33,745.57		2,35,26,675.63
f) CME Fund - Pending Utilisation		1,18,515.00		30,000.00
g) External Agencies- Pending Utilisation (Smile Train)		6,17,233.00		72,000.00
TOTAL: (A)		51,79,80,525.17		49,64,60,403.65
B. PROVISIONS				
1. For Taxation				
2. Gratuity				
3. Superannuation/Pension				
4. Accumulated Leave Encashment				
5. Trade Warranties/Claims				
6. Others (Specify)				
TOTAL: (B)				
TOTAL: (A+B)		51,79,80,525.17		49,64,60,403.65

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar



Financial Advisor



Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019
DETAILS OF SCHEDULE-8 : FIXED ASSETS

DESCRIPTION	Rate of Depreciation	GROSS BLOCK (In Rs.)			DEPRECIATION (In Rs.)			NET BLOCK			
		Cost/Valuation as at beginning of the year	Addition during the year	Deduction during the year	Cost/Valuation at the year-end	As at the beginning of the year	On Additions & Opening During the year	On Deductions During the year	Total up to the year-end	As at the current year-end	As at the previous year-end
FIXED ASSETS:											
LAND											
a) Freehold	0%	-	-	-	-	-	-	-	-	-	-
b) Leasehold	0%	2.00	-	-	2.00	-	-	-	-	2.00	2.00
BUILDINGS											
a) On Freehold Land	0%	-	-	-	-	-	-	-	-	-	-
b) On Leasehold Land	0%	-	-	-	-	-	-	-	-	-	-
c) Ownership Flats/Premises	0%	-	-	-	-	-	-	-	-	-	-
d) Superstructures on Land not belonging to the entity	0%	-	-	-	-	-	-	-	-	-	-
e) Other Building & infrastructures	10%	7,00,29,560.00	4,41,24,276.00	-	11,41,53,836.00	-	82,37,904.00	-	1,53,43,512.30	9,88,10,323.70	6,28,23,951.70
PLANTS, MACHINERY & EQUIPMENT											
VEHICLES	15%	11,86,328.00	7,40,000.00	-	19,36,328.00	-	74,554.00	-	7,73,856.10	11,62,471.90	4,97,025.90
FURNITURE & FIXTURES	10%	14,10,83,250.00	3,17,04,402.00	5,70,000.00	17,22,17,652.00	-	1,25,00,883.00	24,362.00	4,28,68,768.01	12,93,48,883.99	11,06,91,002.99
OFFICE EQUIPMENTS	15%	3,90,82,144.00	91,94,623.00	-	4,82,86,767.00	-	48,51,919.00	-	1,72,22,481.45	3,10,64,285.55	2,67,21,581.55
SCIENTIFIC EQUIPMENTS											
a) Scientific Equipments-AIMS	15%	52,78,14,627.00	12,36,11,861.00	47,21,149.00	64,67,05,335.00	-	23,06,56,891.87	5,41,728.00	28,46,33,707.87	36,20,71,631.13	29,72,57,735.13
b) Scientific Equipments-HLL	15%	1,03,26,43,068.62	29,67,11,536.12	1,87,60,186.00	1,31,06,94,418.64	-	24,96,65,886.00	12,88,009.00	39,13,23,864.00	91,92,70,834.64	78,29,77,182.52
c) Scientific Equipments-AIMS life saving	40%	1,76,80,176.00	64,04,688.00	-	2,40,84,864.00	-	61,35,479.00	73,73,100.00	1,35,08,579.00	1,05,76,285.00	1,16,44,697.00
d) Scientific Equipments-HLL life saving	40%	7,26,64,944.00	4,20,43,368.00	-	11,47,08,312.00	-	2,61,63,844.00	2,81,65,330.00	5,43,29,174.00	6,03,79,138.00	4,66,01,100.00
COMPUTER PERIPHERALS	40%	5,17,08,322.00	4,95,03,983.00	-	10,12,12,305.00	-	3,09,26,660.74	2,12,99,073.00	5,22,25,733.74	4,89,86,571.26	2,07,81,661.26
ELECTRIC INSTALLATIONS	10%	1,45,04,744.00	50,62,900.00	-	1,95,67,644.00	-	6,88,322.00	15,23,822.00	21,12,144.00	1,74,55,600.00	1,39,16,422.00
Medical Gas Pipe Line System	10%	77,46,216.00	24,44,539.00	-	1,01,90,755.00	-	6,28,842.00	9,10,547.00	16,39,389.00	86,51,366.00	71,17,374.00
LIBRARY BOOKS/E-JOURNALS	40%	6,77,79,983.12	6,47,19,720.60	-	13,24,99,703.72	-	3,58,66,784.27	2,71,10,419.00	6,29,77,203.27	6,95,22,500.45	3,19,13,188.85
TOTAL OF CURRENT YEAR (A)		2,04,83,43,384.64	67,62,65,896.72	2,40,51,335.00	2,69,61,67,926.36	-	63,11,00,429.74	30,96,11,800.00	93,88,58,132.74	1,75,72,99,793.62	1,41,28,42,934.90
FIXED ASSETS: KAYAKALP(SAP)											
FURNITURE & FIXTURES	10%	-	40,98,760.00	-	40,98,760.00	-	-	3,27,814.00	-	3,27,814.00	37,70,936.00
OFFICE EQUIPMENTS	15%	-	5,22,366.00	-	5,22,366.00	-	-	17,479.00	-	17,479.00	5,04,886.00
TOTAL OF CURRENT YEAR (B)		-	46,21,116.00	-	46,21,116.00	-	-	3,45,292.00	-	3,45,292.00	42,75,824.00
Capital Work In Progress											
Building Works											
For Equipments from HLL		1,23,67,67,263.00	35,78,73,169.00	8,42,142.00	1,59,27,98,290.00	-	-	-	-	1,59,27,98,290.00	1,23,67,67,263.00
For Equipments from HLL		17,09,38,081.48	42,89,30,111.00	16,82,60,241.12	43,16,07,951.36	-	-	-	-	43,16,07,951.36	17,09,38,081.48
CWIP - Kayakalpa											
TOTAL OF CURRENT YEAR(B)		1,40,67,05,344.48	79,90,64,917.00	16,81,02,383.12	2,03,66,67,876.36	-	-	-	-	2,03,66,67,876.36	1,40,67,05,344.48
TOTAL OF CURRENT YEAR(A+B)		3,45,06,48,709.12	1,47,99,51,929.72	19,31,53,716.12	4,73,74,46,920.72	-	63,11,00,429.74	30,99,57,092.00	93,92,03,424.74	3,79,82,43,495.98	2,81,96,48,279.38

For and on behalf of All India Institute of Medical Sciences,

 Director

 Financial Advisor

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-9 : INVESTMENTS FROM EARMARKED/ENDOWMENT FUNDS

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. In Government Securities		
2. Other Approved Securities		
3. Shares		
4. Debentures and Bonds		
5. Subsidiaries and Joint Ventures		
6. Fixed Deposit with Bank of India	7,00,000.00	7,00,000.00
TOTAL	7,00,000.00	7,00,000.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-10 : INVESTMENT OTHERS

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. In Government Securities		
2. Other Approved Securities		
3. Shares		
4. Debentures and Bonds		
5. Subsidiaries and Joint Ventures		
6. Others (to be specified)		
TOTAL		

For and on behalf of All India Institute of Medical Sciences,


 Financial Advisor


 Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-11: CURRENT ASSETS, LOANS, ADVANCES ETC.

PARTICULARS	Current Year (2019-20)		Previous Year (2018-19)	
	(In Rs.)		(In Rs.)	
A. CURRENT ASSETS:				
1. <u>Inventories:</u>				
a) Stores and Spares	-			
b) Loose Tools				
c) Stock-in-trade				
Finished Goods				
Work-in progress				
Raw Materials				
	-		-	
2. <u>Sundry Debtors:</u>				
a) Debts Outstanding for a period exceeding six months				
b) Others				
	-		-	
3. <u>Cash balances in hand</u> (including cheques/drafts and imprest)	3,555.00	3,555.00	66,345.00	66,345.00
4. <u>Bank Balances:</u>				
a) <u>With Scheduled Banks:</u>				
On Current - Flexi Account (Auto Sweep)				
Bank of India A/c No-557820110000006	(8,19,12,910.97)		(6,43,69,688.28)	
-On Research Account-557820110000020	1,88,861.22		8,89,135.62	
-On Patient Treatment A/c-557820110000019	24,46,481.96		25,52,299.00	
-On Endowment A/c-557820110000021				
-On GPF A/c-557820110000022	-		24,58,356.00	
-On Internal Resources A/c-557820110000032	26,06,386.49		(1,05,86,618.09)	
-On Application A/c-557820110000026	50,19,506.72		2,36,19,993.50	
-On Pension Fund A/c-557820110000023	25,19,456.96		25,20,106.00	
-On Auto Sweep Account - Research	2,67,65,256.00		2,40,40,033.00	
-On Auto Sweep Account - General	61,10,92,184.00		38,06,73,477.00	
-On Auto Sweep Account -19	1,37,72,153.00		25,06,408.00	
-On Auto Sweep Account -23	10,98,130.00		9,75,000.00	
-On Auto Sweep Account -32	30,72,95,127.00		22,40,89,335.00	
-On Auto Sweep Account -44	7,56,581.00		10,05,379.00	
-On Auto Sweep Account -26	1,86,12,740.00			
-On Fixed Deposit in GPF Account	-			
-On CME A/c-557820110000033	1,29,026.00		39,900.00	
-On RAN Pateint A/c-557820110000045	-		20.00	
-On RBSK-557820110000046	12,73,848.96		1,94,798.00	
-On Poor Pateint A/c-55782011000044	25,01,446.96		25,58,425.00	
-On PMJAY Ayushman Bharat A/c-55782011000049	75,000.00			
-On Biju Swasthya Kalyan Yojana A/c-55782011000053	29,78,158.74			
On Saving Bank Account				
-On Externally Funded Project A/c-557810110001144	1,09,19,314.80		1,91,49,120.80	
-On Research Grant A/c-557820110001311	1,36,29,062.00			
-On Debit Card	42,136.00		19,351.00	
-On Deposit Accounts (TDR)			7,00,00,000.00	
	94,18,07,946.84	94,18,07,946.84	68,23,34,830.55	68,23,34,830.55
b) <u>With Non-Scheduled Bank:</u>				
-On Current Accounts				
-On Deposit Accounts				
-On Savings Accounts				
5. <u>Other Receivable</u>				
RBSK Receivable		1,83,306.00		87,262.00
Rent Receivable from Bank		22,500.00		22,500.00
TDS Receivable		7,20,515.36		1,17,600.00
TOTAL (A)		94,27,37,823.20		68,26,28,537.55

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar

Financial Advisor

Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-11: CURRENT ASSETS, LOANS, ADVANCES ETC. (Contd.)

PARTICULARS	Current Year (2019-20)		Previous Year (2018-19)	
	(In Rs.)		(In Rs.)	
B. LOANS, ADVANCES AND OTHER ASSETS				
1. <u>Loans:</u>				
a) Staff				
b) Other Entities engaged in activities/objectives similar to that of the Entity				
c) Other (specify)				
2. <u>Advances and other amounts recoverable in cash or in kind or for value to be received:</u>				
a) On Capital Account (Advance to Other Parties) - Annexure-A	32,124.00		4,84,43,369.00	
b) Prepayments				
c) Others:				
Advance for Expenses (Employees) - Annexure-B	9,95,654.00		25,05,316.00	
Advance to Other Parties - Annexure - C	1,17,06,173.00		23,07,456.00	
Security Deposits - Annexure - D	89,93,058.00		87,13,058.00	
		2,17,27,009.00		6,19,69,199.00
3. <u>Income Accrued:</u>				
a) On Investments from Earmarked/Endowment Funds				
b) On Investments-Others				
c) On Deposit with Bank			3,16,91,234.33	
d) On Rent from Bank				
				3,16,91,234.33
4. <u>Claims Receivable</u>				
TOTAL (B)		2,17,27,009.00		9,36,60,433.33
TOTAL (A+B)		96,44,64,832.20		77,62,88,970.88

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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DETAILS OF ANNEXURE-A TO SCHEDULE 11: ADVANCE TO OTHER PARTIES

NAME OF THE PARTIES	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
Advance to CPWD		
a) Executive Engineer BCD-II CPWD, BBSR	-	3,54,77,800.00
Advance to State PH Division		
b) E E P.H Division-iii (for water line pipe connection)	32,124.00	32,124.00
c) Power Grid Corporation of India	-	17,20,688.00
d) EE CPWD BCDD-II Petronet LNG	-	50,00,000.00
e) EE BCD-1 CPWD Bhubanewar-Kayakalpa	-	62,12,757.00
TOTAL	32,124.00	4,84,43,369.00

DETAILS OF ANNEXURE-B TO SCHEDULE 11: ADVANCE TO EMPLOYEES

NAME OF THE PARTIES	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1 Abhinav Gupta	20,000.00	-
2 Dr.Pravas Ranjan Mishra	(2.00)	353.00
3 Sri Sanjaya Ku. mohanty (EE civil)	-	10,450.00
4 Dr.Prabeer Chandra Mohanty	42,300.00	42,300.00
5 Dr Prashant Nayak	-	5,000.00
6 Subasish Jena	10,000.00	-
7 Dr Baijayanta Mala Mishra	-	5,000.00
8 Dr.Sushil Chandra Mohapatra	-	15,000.00
9 Dr Rituparna Maiti	-	2,120.00
10 Dr Somanath Mukharjee	-	15,000.00
11 Dr.Vikash Bhatia	19,821.00	1,00,465.00
12 Dr Jawashar SK Pillai	-	3,03,675.00
13 Dr.C Preetam	-	-
14 Pay & accounts officer	700.00	700.00
15 Dr.Jayant Kumar Mitra	-	28,140.00
16 Shine stephen	-	20,000.00
17 Dr Amit Ghosh	-	11,800.00
18 Dr. Rabi narayan Sahoo	-	5,000.00
19 Dr. Manoj Kumar Mohanty (Prof)	(180.00)	1,00,000.00
20 Dr.Mukunda Chandra Sahoo	35,000.00	9,910.00
21 Dr.Somnath Padhi	-	15,000.00
22 Dr Prabadha ku Das	-	20,000.00
23 Dr Prabhaskaranjan Tripathy	-	90,000.00
24 Dr Prabhaskaranjan Tripathy-RBSK	-	1,29,000.00
25 Dr.Swagat Tripathy	-	8,300.00
26 Dr. Arvind Singh	-	41,200.00
27 Dr. Binod Kumar Behera	-	-
28 Dr. Kali prasad Mishra	74,731.00	-
29 Dr Susanta Kumar Padhi	67,000.00	-
30 Dr Asha P Sheth	-	45,000.00
31 Dr Jitendra Narayan Das	5,000.00	-
32 Dr Ram Chandra Barik HOD Cardiology	-	10,000.00
33 Dr Sachidananda Mohanty	5,000.00	5,000.00
34 Dr Sourav Sarkar	10,000.00	47,960.00
35 Dr. Sweta Singh	-	3,000.00
36 Mr Nishakar Sahoo	-	(99,509.00)
37 Mr Shyama Prasad	-	6,06,852.00
38 CME Advacne	(97,000.00)	-
39 Sanction of LTC Advance	5,11,232.00	6,46,056.00
40 Mr. Bidhu Bhusana Mishra	71,643.00	2,54,144.00

DETAILS OF ANNEXURE-B TO SCHEDULE 11: ADVANCE TO EMPLOYEES

MD Salim Golder AAO	25,000.00	
Sudhir Kumar Prashan AAO	1,70,000.00	
Imprest Advance		-
4 HOD General Surgery	5,000.00	-
9 HOD of Neonatology	5,000.00	-
10 HOD- Pediatric Surgery	5,000.00	-
11 HOD PMR Dr Jagannath Sahoo	3,009.00	-
12 HOD- Endocrinology	-	5,000.00
17 HOD- Dept. of Radio Diagnosis	(1,600.00)	(1,600.00)
Dr Jawarhar SK Pillai N O Kayakalpa	4,000.00	
18 HOD- Neurology	5,000.00	5,000.00
TOTAL	9,95,654.00	25,05,316.00

Contd...

DETAILS OF ANNEXURE-C TO SCHEDULE 11: ADVANCE TO OTHER PARTIES

NAME OF THE PARTIES	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1 Admission Fees receivable from Students - AIIMS Patna	5,856.00	5,856.00
2 AIIMS Students welfare Fund	-	3,00,000.00
3 AIIMS Guwahati	-	20,01,600.00
4 HLL Infratech Private Limited	1,17,00,317.00	
TOTAL	1,17,06,173.00	23,07,456.00

DETAILS OF ANNEXURE-D TO SCHEDULE 11: SECURITY DEPOSIT

NAME OF THE PARTIES	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1 CESU - Security Deposit	85,88,058.00	85,88,058.00
2 Security Deposit with NIFT	1,25,000.00	1,25,000.00
3 Ananda Industrial Gases	2,80,000.00	
TOTAL	89,93,058.00	87,13,058.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-12: INCOME FROM SALES/SERVICE

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. <u>Income from Sales:</u>		
a) Sale of Finished Goods		
b) Sale of Raw Materials		
c) Sale of Scraps		
2. <u>Income from Services:</u>		
a) Labour and Processing Charges		
b) Professional/Consultancy Services		
c) Agency Commission and Brokerage		
d) Maintenance Services (Equipment/Property)		
e) Others (Specify)		
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
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DETAILS OF SCHEDULE-13: GRANTS/SUBSIDIES

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
(Irrevocable Grants & Subsidies Received)		
1. Central Government		
Capital Grants	1,23,56,00,000.00	20,50,00,000.00
Revenue Grants	2,80,44,00,000.00	2,07,18,00,000.00
Swachha Bharat Grant	3,00,00,000.00	-
Capital Grants-DDAP	18,50,000.00	
Revenue Grants-DDAP	75,50,000.00	
2. State Government (s)		
3. Government Agencies		
4. Institutions/Welfare Bodies		
5. International Organisations		
6. Others (Specify)		
a) Grant Amount received		
ICMR Grant	2,09,000.00	16,92,358.00
NTPC Grant	4,73,00,000.00	2,84,00,000.00
Patient Treatment Fund	-	6,40,799.00
Shri Ganga Trust	-	50,000.00
UNICEF Grant	42,53,900.00	13,54,255.00
Institutional Overhead	16,920.00	15,799.00
Rastriya Arogya Nidhi	5,00,000.00	1,50,000.00
CRPF Grant	-	4,98,000.00
Airport Authority of India	15,33,062.00	
Amedkar Foundation	3,50,000.00	
Bichitra kumar Choudhury	4,38,375.00	
BSKY Grant	29,77,911.00	
Clantha Reasearch	5,355.00	
CMRF West Bengal	73,000.00	
Contain Co-Operative Bank	25,000.00	
General Surgery CME	39,500.00	
Union Health Minister's Welfare Fund	2,00,000.00	
Induction Tranning	1,33,320.00	
Jivdaya Foundation -Anaesthesia	1,09,185.56	
National Health Mission(NHM)	1,40,00,000.00	
PC&PNDT Activity	3,36,444.00	
Petronet LNG Foundation	2,94,00,000.00	
Potala Govt	1,00,000.00	
RMRC Project Grant	1,27,500.00	
Sahadev Pallei	1,82,375.00	
SERD Grant	1,65,965.00	
Tripura Health Protection	75,000.00	
West Bengal Welfare Fund	45,000.00	
Yuvraj Singh Foundation	3,70,000.00	
b) Assistant Amount received	-	-
from CM Relief Fund	9,10,825.00	2,38,000.00
from PM National Relief Fund	1,02,09,492.00	54,02,412.00
TOTAL	4,19,34,87,129.56	2,31,52,41,623.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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DETAILS OF SCHEDULE-13*: GRANTS/SUBSIDIES

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
(Irrevocable Grants & Subsidies Received)		
1. Central Government		
Revenue Grants	2,80,44,00,000.00	2,07,18,00,000.00
Swachha Bharat Grant	3,00,00,000.00	-
Revenue Grants-DDAP	75,50,000.00	
2. State Government (s)		-
3. Government Agencies		
4. Institutions/Welfare Bodies		
5. International Organisations		
6. Others (Specify)		
a) Grant Amount received		
ICMR Grant	2,09,000.00	16,92,358.00
NTPC Grant	4,73,00,000.00	2,84,00,000.00
Patient Treatment Fund	-	6,40,799.00
Shri Ganga Trust	-	50,000.00
UNICEF Grant	42,53,900.00	13,54,255.00
Institutional Overhead	16,920.00	15,799.00
Rastriya Arogya Nidhi	5,00,000.00	1,50,000.00
CRPF Grant	-	4,98,000.00
Airport Authority of India	15,33,062.00	
Amedkar Foundation	3,50,000.00	
Bichitra kumar Choudhury	4,38,375.00	
BSKY Grant	29,77,911.00	
Clantha Reasearch	5,950.00	
CMRF West Bengal	73,000.00	
Contain Co-Operative Bank	25,000.00	
General Surgery CME	39,500.00	
Union Health Minister's Welfare Fund	2,00,000.00	
Induction Tranning	1,33,320.00	
Jivdaya Foundation -Anaesthesia	1,09,185.56	
National Health Mission(NHM)	1,40,00,000.00	
PC&PNDT Activity	3,36,444.00	
Petronet LNG Foundation	3,00,00,000.00	
Potala Govt	1,00,000.00	
RMRC Project Grant	1,27,500.00	
Sahadev Pallei	1,82,375.00	
SERD Grant	1,65,965.00	
Tripura Health Protection	75,000.00	
West Bengal Welfare Fund	45,000.00	
Yuvraj Singh Foundation	3,70,000.00	
b) Assistant Amount received		
from CM Relief Fund	9,10,825.00	2,38,000.00
from PM National Relief Fund	1,02,09,492.00	54,02,412.00
	-	
TOTAL	2,95,66,37,724.56	2,11,02,41,623.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
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DETAILS OF SCHEDULE-14: FEES/SUBSCRIPTIONS

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Application Fees	8,32,422.94	13,59,570.00
2. Admission Fees (Students)	12,94,862.00	11,45,199.00
3. Examination Fees	52,760.00	34,410.00
4. Fine Collection	10,100.00	36,250.00
5. Re- Admission Fees	-	585.00
6. Penalty of Quitting the course during Mid-term	25,00,000.00	14,30,000.00
TOTAL	46,90,144.94	40,06,014.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-14*: FEES/SUBSCRIPTIONS

PARTICULARS	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Application Fees	8,32,422.94	13,59,570.00
2. Admission Fees (Students)	12,94,862.00	11,45,199.00
3. Examination Fees	52,760.00	34,410.00
4. Fine Collection	10,100.00	36,250.00
5. Re- Admission Fees	-	585.00
6. Penalty of Quitting the course during Mid-term	25,00,000.00	14,30,000.00
TOTAL	46,90,144.94	40,06,014.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
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DETAILS OF SCHEDULE-15: INCOME FROM INVESTMENTS

PARTICULARS	Investment from Earmarked Fund		Investment-Others	
	Current Year (2019-20)	Previous Year (2018-19)	Current Year (2019-20)	Previous Year (2018-19)
(Income on Investment from Earmarked/Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities				
b) Other Bonds/Debentures				
c) On Fixed Deposit-up to previous year				
c) On Fixed Deposit-current year	53,126.00		53,126.00	
2. Dividends:				
a) On Shares				
b) On Mutual Fund Securities				
3. Rents				
4. Others (Specify)				
TOTAL	53,126.00	-	53,126.00	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS				

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
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DETAILS OF SCHEDULE-15*: INCOME FROM INVESTMENTS

PARTICULARS	Investment from Earmarked Fund		Investment-Others	
	Current Year (2019-20)	Previous Year (2018-19)	Current Year (2019-20)	Previous Year (2018-19)
(Income on Investment from Earmarked/Endowment Funds transferred to Funds)				
1. Interest				
a) On Govt. Securities				
b) Other Bonds/Debentures				
c) On Fixed Deposit-up to previous year	-		1,05,694.00	
c) On Fixed Deposit-current year	53,126.00		53,126.00	
2. Dividends:				
a) On Shares				
b) On Mutual Fund Securities				
3. Rents				
4. Others (Specify)				
TOTAL	53,126.00	-	1,58,820.00	-
TRANSFERRED TO EARMARKED/ENDOWMENT FUNDS				

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
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DETAILS OF SCHEDULE-16: INCOME FROM ROYALTY, PUBLICATION ETC

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Income from Royalty 2. Income from Publications 3. Others (specify)		
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-17: INTEREST EARNED AND RECEIVED

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. On Term Deposit:		
a) With Scheduled Banks	3,82,88,573.97	1,54,527.00
b) With Non-Scheduled Banks		
c) With Institutions		
d) Others		
2. On Savings Accounts:		
a) With Scheduled Banks		-
b) With Non-Scheduled Banks		
c) With Institutions		
d) Others		
3. On Loans:		
a) Employees/Staff		
4. Auto Sweep A/c Interest	5,71,02,002.66	3,88,64,348.00
TOTAL	9,53,90,576.63	3,90,18,875.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-17*: INTEREST EARNED

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. On Term Deposit:		
a) With Scheduled Banks	66,04,160.00	50,84,081.00
b) With Non-Scheduled Banks		
c) With Institutions		
d) Others - Auto Sweep	5,71,02,002.66	3,88,64,348.00
2. On Savings Accounts:		
a) With Scheduled Banks	-	-
b) With Non-Scheduled Banks		
c) With Institutions		
d) Others		
3. On Loans:		
a) Employees/Staff		
TOTAL	6,37,06,162.66	4,39,48,429.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-18: OTHER INCOME

	PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
		(In Rs.)	(In Rs.)
1	Tender Processing fees	31,000.00	73,000.00
2	Rent Charges:	-	-
	Rent From Auditorium	-	25,000.00
	Rent from Restaurant	-	85,500.00
	Rent from BOI	2,70,000.00	2,70,000.00
	Rent from Guest House	7,80,300.00	8,27,400.00
	Rent from Hospital Catering Service	9,48,850.19	28,692.00
	Rent from Medicine store	2,11,350.00	1,51,700.00
	Rent from SBI	1,20,000.00	1,20,000.00
	Rent from Teastall	1,14,000.00	40,000.00
	Rent received from BSNL Tower	18,000.00	72,000.00
3	OPD Collection	7,95,13,508.00	6,79,44,017.00
4	Miscellaneous Receipts/ Recovery	3,73,238.10	1,23,145.00
5	Licence fee for quarters	6,08,313.00	7,18,748.00
6	RTI fee Received	-	1,376.00
7	Electricity & Water charges	29,17,330.81	3,86,378.00
8	Water Charges Received from BOI & Pathcare	-	66,612.00
9	Interest received on Electricity Security Deposit	5,37,683.00	3,98,831.00
10	Scrap & Waste	27,620.00	-
11	Penalty	1,10,723.00	-
12	OPD Balasore satellite Center	79,240.00	51,810.00
13	Electricity Charges Received from Employee	9,88,282.00	10,19,942.00
14	Fine Collect From Library	32,150.00	34,845.00
15	Registration Fees Received for CME	-	625.00
16	Recovery of Salary in lieu of Notice Period	1,72,87,246.00	1,27,22,746.00
17	Prize Money- Swachhata Action Plan	1,00,00,000.00	-
18	Interest on Income Tax Refund	2,420.00	-
19	LD Charges	23,19,914.00	1,66,567.00
20	Electricity charges from BSNL Tower	13,500.00	1,00,142.00
21	Registration Fee	77,322.00	1,09,272.00
22	Electricity Charges from SBI	-	11,445.00
23	Blood Plasma Processing Charges	12,69,570.00	
24	Sale of Old News Paper	12,300.00	
25	TDS Refundable	34,500.00	
TOTAL		11,86,98,360.10	8,55,49,793.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-18*: OTHER INCOME

	PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
		(In Rs.)	(In Rs.)
1	Tender Processing fees	31,000.00	73,000.00
2	Rent Charges:	-	-
	Rent From Auditorium	-	25,000.00
	Rent from Restaurant	-	85,500.00
	Rent from BOI	3,00,000.00	3,00,000.00
	Rent from Guest House	7,80,300.00	8,27,400.00
	Rent from Hospital Catering Service	9,48,850.19	28,692.00
	Rent from Medicine store	2,11,350.00	1,51,700.00
	Rent from SBI	1,20,000.00	1,20,000.00
	Rent from Teastall	1,14,000.00	40,000.00
	Rent received from BSNL Tower	18,000.00	72,000.00
3	OPD Collection	7,96,09,552.00	6,80,26,919.00
4	Miscellaneous Receipts/ Recovery	3,73,238.10	1,23,145.00
5	Licence fee for quarters	6,08,313.00	7,18,748.00
6	RTI fee Received	-	1,376.00
7	Electricity & Water charges	29,17,330.81	3,86,378.00
8	Water Charges Received from BOI & Pathcare	-	66,612.00
9	Interest received on Electricity Security Deposit	5,37,683.00	3,98,831.00
10	Scrap & Waste	27,620.00	
11	Penalty	1,10,723.00	
12	OPD Balasore satellite Center	79,240.00	51,810.00
13	Electricity Charges Received from Employee	9,88,282.00	10,19,942.00
14	Fine Collect From Library	32,150.00	34,845.00
15	Registration Fees Received for CME	-	625.00
16	Recovery of Salary in lieu of Notice Period	1,72,87,246.00	1,27,22,746.00
17	Prize Money- Swachhata Action Plan	1,00,00,000.00	
18	Interest on Income Tax Refund	2,420.00	
19	LD Charges	23,19,914.00	1,66,567.00
20	Electricity charges from BSNL Tower	13,500.00	1,00,142.00
21	Registration Fee	77,322.00	1,09,272.00
22	Electricity Charges from SBI	-	11,445.00
23	Blood Plasma Processing Charges	12,69,570.00	
24	Sale of Old News Paper	12,300.00	
TOTAL		11,87,89,904.10	8,56,62,695.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-19: INCREASE/(DECREASE) IN STOCK OF FINISHED GOODS & WORK IN PROGRESS

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Closing Stock		
-Finished Goods	-	
-Work-in-Progress		
2. Less: Opening Stock		
-Finished Goods		
-Work-in-Progress		
-Disposables & Consumables		
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-20: ESTABLISHMENT EXPENSES

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Salaries		
Salary of Regular Employee	60,19,42,380.00	53,78,97,551.00
Salary to Regular appointed Nursing Sister Gr-II	41,48,80,610.00	28,29,70,007.00
Reimbursement of LTC	43,55,707.00	76,84,972.00
Tution Fees Reimbursement	-	-
News Paper Bill Riemburshment	10,50,825.00	7,70,990.00
Children Education Allowances	31,10,557.00	70,08,690.00
Death Gratuity	-	-
Deputation Staff Salary	3,60,43,062.00	1,71,43,125.00
E.L- Encashment- Faculty	41,12,339.00	8,48,235.00
E.L- Encashment- Others	-	-
Leave Encashment	-	-
Tranfer TA(Composition Grant)	6,56,613.00	25,92,366.00
Tutor & Instructors	3,26,14,783.00	2,37,06,290.00
Salary of junior Administrative Officer	37,88,491.00	-
Salary to DDAP Staff	21,17,677.00	-
2. Medical Treatment		
Reimbursement of Medical Bill	1,00,37,073.00	1,02,45,855.00
3. Pensionary Charges		
CPF Employer's contribution	-	-
Leave Salary & Pensionary Contribution	27,98,650.00	13,67,684.00
NPS Employer's Contribution	9,18,77,870.00	5,25,94,025.00
Administrative Charges	7,562.00	18,769.00
Contribution to LS & PC	1,07,359.00	2,96,871.00
EDLI	36,166.00	36,538.00
GSLI Employers Contribution	112.00	52.00
Provident Fund Employer's Contribution	3,68,884.00	4,71,928.00
Remittance For Staff	-	-
Service Charges of EDLI	5,323.00	5,346.00
Pensionary Contribution	11,46,943.00	-
GPF Employee Contribution	29,72,130.00	-
4. Wages		
Salary & Wages for Contractual Employees	54,66,39,670.00	41,58,37,682.00
5. Prior Period Expenses	22,19,529.00	87,76,251.00
Change in Current Liabilities		
Professional tax payable	(2,79,200.00)	-
NPS Deduction	1,28,70,780.00	(75,99,475.00)
CPF & EPF Contributions	2,13,289.00	(3,16,445.00)
E H S Contributions	(88,91,369.00)	(34,43,325.00)
CGEGIS Contribution	-	-
Licence Fees/ LIC/ CGHS/GIS/GSLI	(71,005.00)	(1,759.00)
Scooter Advance	-	-
Misc. Recovery/Electricity/ PF Recovery	(23,71,320.00)	(15,18,795.00)
GPF Fund	13,78,353.00	(7,80,000.00)
DFW(O) SMCSC	-	17,030.00
Pension Fund	-	-
Salary Payable to Regular Staff	(2,58,67,283.00)	(3,87,86,255.00)
Salary Payable to Contractual Staff	14,75,278.00	(14,75,278.00)
Stipend Payable	1,51,670.00	(12,11,674.00)
Remuneration Payable	(2,62,562.00)	(1,15,980.00)
Security Deposit From student	-	14,975.00
GPF Employee's Contribution	(12,23,420.00)	-
General Purpose Advance	(47,206.00)	-
House Building Advance	(63,410.00)	-
Motor Cycle Advance	(16,800.00)	-
GPF Employer Contribution Payble	(5,10,866.04)	-
TOTAL	1,73,93,75,243.96	1,31,50,56,246.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-20*: ESTABLISHMENT OF EXPENSES

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Salaries		
Salary of Regular Employee	60,19,42,380.00	53,78,97,551.00
Salary to Regular appointed Nursing Sister Gr-II	41,48,80,610.00	28,29,70,007.00
Reimburshment of LTC	43,55,707.00	76,84,972.00
Tution Fees Reimbursement	-	-
News Paper Bill Riemburshment	10,50,825.00	7,70,990.00
Children Education Allowances	31,10,557.00	70,08,690.00
Death Gratuity	-	-
Deputation Staff Salary	3,60,43,062.00	1,71,43,125.00
E.L- Encashment- Faculty	41,12,339.00	8,48,235.00
E.L- Encashment- Others	-	-
Leave Encashment	-	-
Tranfer TA(Composition Grant)	6,56,613.00	25,92,366.00
Tutor & Instructors	3,26,14,783.00	2,37,06,290.00
Salary of junior Administrative Officer	37,88,491.00	-
Salary to DDAP Staff	- 21,17,677.00	-
2. Medical Treatment		
Reimbursement of Medical Bill	1,00,37,073.00	1,02,45,855.00
3. Pensionary Charges		
CPF Employer's contribution	-	-
Leave Salary & Pensionary Contribution	27,98,650.00	13,67,684.00
NPS Employer's Contribution	9,18,77,870.00	5,25,94,025.00
Administrative Charges	7,562.00	18,769.00
Contribution to LS & PC	1,07,359.00	2,96,871.00
EDLI	36,166.00	36,538.00
GSLI Employers Contibution	112.00	52.00
Provident Fund Employer's Contribution	3,68,884.00	4,71,928.00
Remittance For Staff	-	-
Service Charges of EDLI	5,323.00	5,346.00
Pensionary Contribution	11,46,943.00	-
GPF Employee Contribution	29,72,130.00	-
4. Wages		
Salary & Wages for Contractual Employees	54,66,39,670.00	41,58,37,682.00
5. Prior Period Expenses	22,19,529.00	87,76,251.00
TOTAL	1,76,28,90,315.00	1,37,02,73,227.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


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Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-21: ADMINISTRATIVE EXPENSES ETC.

Sl No	PARTICULAR	Current Year	Current Year	Previous Year
		(2019-20)	(2019-20)	(2018-19)
		(In Rs.)	(In Rs.)	(In Rs.)
1	Professional charges		-	
	Legal expenses		10,92,895.00	4,73,568.00
	Professional charges		10,13,403.00	28,09,710.00
2	Office expenses		-	
	Hiring of Vehicle		1,58,54,342.00	1,33,38,020.00
	News Paper & Periodicals		83,366.00	92,300.00
	Miscellaneous Expenses		27,72,764.06	23,27,256.00
	Payment towards Electricity Charges		11,11,91,552.00	16,07,63,008.00
	Payment towards Postage Bills		1,98,326.00	2,27,594.00
	Printing & Stationary		98,93,095.00	(2,28,96,459.94)
	Printing & Stationary-Internal Resources A/c		-	1,04,998.00
	Telephone & Internet Charges		39,83,502.00	32,65,630.00
	Water Charges		3,51,213.00	6,85,182.00
	Insurance Charges		10,228.00	8,467.00
	Reimbursement Of Telephone Bill		24,31,637.00	15,04,250.00
	Maintenance office equipment		-	62,301.00
	Other Office Expenses- Internal Resources A/c		-	-
	Other Office Expenses		12,65,674.00	-
	Web Design & Maintenance		-	1,28,53,618.00
	Conveyance Allowance		78,56,813.00	98,635.00
	Cable TV Recharge		55,112.00	-
	Rent and Electricity charges of Tangi		2,48,378.00	-
3	Minor Work		-	
	Repair Work in Departments		7,34,36,199.00	6,01,43,624.00
	Repair Work in Departments-Internal Resources A/c		-	-
4	Domestic Travelling Expenses		-	
	Payment of Tour TA/DA to staff		2,03,04,765.00	2,08,61,227.00
5	Foreign Travelling Expenses		-	
	Payment of Tour TA/DA to staff		46,99,770.00	65,17,903.00
6	Advertising & Publicity		-	
	Advertisement & Press Conference Expenses		94,26,730.00	1,71,79,780.00
7	Other Administrative expenses		-	
	Payment to LRA to staff-Internal Resources A/c		-	-
	Payment to LRA to staff		2,17,11,127.00	3,78,64,842.00
	E-Journal-short term		-	17,22,891.68
	Misc Adminstrative Expenses		88,85,575.00	40,24,614.00
	Misc Adminstrative Expenses-Internal Resources A/c		-	499.00
	Reimbursment of Registration fees for Conference		-	-
	Seminar/CME/ Work shop expensess		13,98,171.00	18,99,274.00
	Seminar/CME/ Work shop expensess-DDAP		1,75,074.00	7,39,837.00
	Special Programe and Meeting expenses		11,09,023.00	-
	Special Programe and Meeting expenses- Internal Resources A/c		-	-
	Stipend to B.SC Nursing Student		23,18,159.00	33,21,153.00
	Stipend to Nursing Student		43,65,652.00	4,93,20,906.00
	Examination Expenses		22,90,032.00	-
	GST Tranning Expenses		-	2,87,90,941.00
	Stipend to MBBS Student		2,80,73,426.00	7,579.20
	Bank Charges & Commission		19,712.32	-
	Pollution Control Fee		-	14,64,505.00
	Recruitment Expenses		2,65,51,312.00	3,47,896.00
	Students Welfare		1,86,455.00	2,72,944.00
	Membership Fee		50,048.68	18,000.00
	Honorarium		15,000.00	72,35,494.00
	Celebration		41,43,227.00	36,81,245.00
	Intramural Research Expenses		63,19,882.00	5,18,337.00
	Intramural Research Expenses-Internal Resources A/c		-	80,592.00
	NSDL & CRA Charges		-	14,54,632.00
	GST Expenses		3,02,663.00	8,12,591.00
	Other Office Expneses		-	1,52,220.00
	IT Development Expenses		-	-

Sl No	PARTICULAR	Current Year	Current Year	Previous Year
		(2019-20)	(2019-20)	(2018-19)
		(In Rs.)	(In Rs.)	(In Rs.)
	Late Fees Paid on GST		7,315.00	
	Remuneration		18,59,206.00	
	Debit Card Charges		64,954.48	90,055.59
	Interest On TDS		8,229.00	150.00
	Expenditure Towards Fani		20,000.00	-
8	Other Contractual expenses			
	Payment to Outsourced staff		21,20,43,017.00	14,75,66,028.00
	Payment to Security Service Agency		8,64,05,379.00	7,36,37,021.00
	Payment to Hospital Catering Service Agency		3,37,18,906.00	2,57,45,660.00
	Payment to Laundry Service Agency		74,93,076.00	1,03,67,276.00
	Payment to Laundry Service Agency-Internal Resources A/c		-	7,11,346.00
	Payment to Pathological Service Agency		-	-
	Payment to Bio-Medical Waste Management Service		-	9,19,420.00
	Payment to Bio-Medical Waste Management Service-Internal Resources A/c		-	-
	Payment to Cleaning & House Keeping Service Agency		8,34,31,391.00	6,62,67,239.00
	Payment to Hospital Information Service Agency		6,66,700.00	-
9	Publications			
	Printing & Publication of Journal / Report /Magazine		3,87,224.00	11,94,861.00
10	Supplies & Materials			
	Fuel & Lubricants for Ambulance & DG Set		24,78,316.00	33,023.00
	Hospital Linen		61,00,712.00	34,06,852.00
	Hospital Linen-Internal Resources A/c		24,150.00	2,46,072.00
	Medical Gas including LPG Expenses		22,53,668.32	-
	Medical Gas including LPG Expenses-Internal Resources A/c		-	31,45,719.00
	Payment for Blood & Plasma etc.		3,80,137.00	2,44,420.00
	Payment for Blood & Plasma etc.- Internal Resources A/c		-	49,720.00
	Procurment of Chemical & Reagents		5,86,72,962.00	3,48,43,837.00
	Procurment of Chemical & Reagents-Internal Resources A/c		-	54,00,515.00
	Procurment of Disposables & Consumables		19,46,06,675.00	10,11,19,004.00
	Procurment of Disposables & Consumables-Internal Resources A/c		-	3,01,89,905.00
	Procurment of Drugs,		5,67,69,053.00	2,95,12,620.00
	Procurment of Drugs-Internal Resources A/c		-	34,16,262.00
	Plastic & Rubberised Material		7,74,047.00	9,63,668.00
	Plastic & Rubberised Material-Internal Resources A/c		-	10,708.00
11	Other Expenses			
	Kaya kalpa Expenses		1,54,35,160.00	3,67,04,848.00
	NKN Connectivity Charges		32,34,510.00	
	Poor Pateint Treatment Expenses		3,57,302.00	
	RBSK Expenditure		1,10,28,253.00	
12	Prior Period Expenses		18,65,366.00	96,79,266.00
	Change in Current Laibilities		1,61,98,378.00	
	Sundry Creditors	(1,05,03,249.00)		(5,07,98,916.06)
	TDS-Income Tax Payable-Non-Salary	66,13,289.00		(66,01,729.00)
	TDS on GST Payable	(8,71,143.00)		(28,07,390.00)
	LRA Payable	2,09,59,481.00		(3,08,50,385.00)
		-		-
	TOTAL		1,17,03,68,389.86	91,85,58,679.47

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019

DETAILS OF SCHEDULE-21*: ADMINISTRATIVE EXPENSES ETC.

SI No	PARTICULAR	Current Year	Current Year	Previous Year
		(2019-20)	(2019-20)	(2018-19)
		(In Rs.)	(In Rs.)	(In Rs.)
1	Professional charges		-	
	Legal expenses		10,92,895.00	4,73,568.00
	Professional charges		10,13,403.00	28,09,710.00
2	Office expenses			
	Hiring of Vehicle		1,58,54,342.00	1,33,38,020.00
	News Paper & Periodicals		83,366.00	92,300.00
	Miscellaneous Expenses		27,72,764.06	23,27,256.00
	Payment towards Electricity Charges		11,11,91,552.00	16,07,63,008.00
	Payment towards Postage Bills		1,98,326.00	2,27,594.00
	Printing & Stationary		98,93,095.00	(2,28,96,459.94)
	Printing & Stationary-Internal Resources A/c		-	1,04,998.00
	Telephone & Internet Charges		39,83,502.00	32,65,630.00
	Water Charges		3,51,213.00	6,85,182.00
	Insurance Charges		10,228.00	8,467.00
	Reimbursement Of Telephone Bill		24,31,637.00	15,04,250.00
	Maintenance office equipment		-	62,301.00
	Other Office Expenses- Internal Resources A/c			
	Other Office Expenses		12,65,674.00	
	Web Design & Maintenance			
	Conveyance Allowance		78,56,813.00	1,28,53,618.00
	Cable TV Recharge		55,112.00	98,635.00
	Rent and Electricity charges of Tangi		2,48,378.00	
3	Minor Work			
	Repair Work in Various Departments		7,34,36,199.00	6,01,43,624.00
	Repair Work in Various Departments-Internal Resources A/c			
4	Domestic Travelling Expenses			
	Payment of Tour TA/DA to staff		2,03,04,765.00	2,08,61,227.00
5	Foreign Travelling Expenses			
	Payment of Tour TA/DA to staff		46,99,770.00	65,17,903.00
6	Advertising & Publicity			
	Advertisement & Press Conference Expenses		94,26,730.00	1,71,79,780.00
7	Other Administrative expenses			
	Payment to LRA to staff-Internal Resources A/c			
	Payment to LRA to staff		2,17,11,127.00	3,78,64,842.00
	E-Journal-short term		-	17,22,891.68
	Misc Adminstrative Expenses		88,85,575.00	40,24,614.00
	Misc Adminstrative Expenses-Internal Resources A/c		-	499.00
	Reimbursment of Registration fees for Conference			
	Seminar\CME\ Work shop expensess		13,98,171.00	18,99,274.00
	Seminar\CME\ Work shop expensess-DDAP		1,75,074.00	
	Special Programe and Meeting expenses		11,09,023.00	7,39,837.00
	Special Programe and Meeting expenses- Internal Resources A/c			
	Stipend to B.SC Nursing Student		23,18,159.00	
	Stipend to Nursing Student		43,65,652.00	33,21,153.00
	Examination Expenses		22,90,032.00	4,93,20,906.00
	GST Tranning Expenses			
	Stipend to MBBS Student		2,80,73,426.00	2,87,90,941.00
	Bank Charges & Commission		19,712.32	7,579.20
	Pollution Control Fee			
	Recruitment Expenses		2,65,51,312.00	14,64,505.00
	Students Welfare		1,86,455.00	3,47,896.00
	Membership Fee		50,048.68	2,72,944.00
	Honorarium		15,000.00	18,000.00
	Celebration		41,43,227.00	72,35,494.00

SI No	PARTICULAR	Current Year	Current Year	Previous Year
		(2019-20)	(2019-20)	(2018-19)
		(In Rs.)	(In Rs.)	(In Rs.)
	Intramural Research Expenses		63,19,882.00	36,81,245.00
	Intramural Research Expenses-Internal Resources A/c		-	5,18,337.00
	NSDL & CRA Charges		-	80,592.00
	GST Expenses		3,02,663.00	14,54,632.00
	Other Office Expenses		-	8,12,591.00
	IT Development Expenses		-	1,52,220.00
	Late Fees Paid on GST		7,315.00	
	Remuneration		18,59,206.00	
	Debit Card Charges		64,954.48	90,055.59
	Interest On TDS		8,229.00	150.00
	Expenditure Towards Fani		20,000.00	
8	Other Contractual expenses			
	Payment to Outsourced staff		21,20,43,017.00	14,75,66,028.00
	Payment to Security Service Agency		8,64,05,379.00	7,36,37,021.00
	Payment to Hospital Catering Service Agency		3,37,18,906.00	2,57,45,660.00
	Payment to Laundry Service Agency		74,93,076.00	1,03,67,276.00
	Payment to Laundry Service Agency-Internal Resources A/c		-	7,11,346.00
	Payment to Pathological Service Agency		-	9,19,420.00
	Payment to Bio-Medical Waste Management Service		-	
	Payment to Bio-Medical Waste Management Service-Internal Resources A/c			
	Payment to Cleaning & House Keeping Service Agency		8,34,31,391.00	6,62,67,239.00
	Payment to Hospital Information Service Agency		6,66,700.00	
9	Publications			
	Printing & Publication of Journal / Report /Magazine		3,87,224.00	11,94,861.00
10	Supplies & Materials			
	Fuel & Lubricants for Ambulance & DG Set		24,78,316.00	33,023.00
	Hospital Linen		61,00,712.00	34,06,852.00
	Hospital Linen-Internal Resources A/c		24,150.00	2,46,072.00
	Medical Gas including LPG Expenses		22,53,668.32	
	Medical Gas including LPG Expenses-Internal Resources A/c		-	31,45,719.00
	Payment for Blood & Plasma etc.		3,80,137.00	2,44,420.00
	Payment for Blood & Plasma etc.- Internal Resources A/c		-	49,720.00
	Procurment of Chemical & Reagents		5,86,72,962.00	3,48,43,837.00
	Procurment of Chemical & Reagents-Internal Resources A/c		-	54,00,515.00
	Procurment of Disposables & Consumables		19,46,06,675.00	10,11,19,004.00
	Procurment of Disposables & Consumables-Internal Resources A/c		-	3,01,89,905.00
	Procurment of Drugs,		5,67,69,053.00	2,95,12,620.00
	Procurment of Drugs-Internal Resources A/c		-	34,16,262.00
	Plastic & Rubberised Material		7,74,047.00	9,63,668.00
	Plastic & Rubberised Material-Internal Resources A/c		-	10,708.00
11	Other Expenses			
	Kaya kalpa Expenses		1,54,35,160.00	3,67,04,848.00
	NKN Connectivity Charges		32,34,510.00	
	Poor Pateint Treatment Expenses		3,57,302.00	
	RBSK Expenditure		1,10,28,253.00	
12	Prior Period Expenses		18,65,366.00	96,79,266.00
	TOTAL		1,15,41,70,011.86	1,00,96,17,099.53

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-22: EXPENDITURE ON GRANTS, SUBSIDIES ETC.

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Grants given to Institutions/Organisations		
ICMR Grant	16,92,358.00	5,00,000.00
Patient Treatment Fund	9,88,800.00	8,47,575.00
Shri Ganga Trust	-	13,31,004.00
UNICEF Grant	42,53,900.00	-
Institutional Overhead	-	18,75,665.00
Rastriya Arogya Nidhi	80,271.00	17,674.00
Workshop & Seminar Programme	-	4,030.00
General Surgery CME	39,500.00	-
Induction Training	1,33,320.00	-
Jivdaya Foundation -Anaesthesia	25,226.00	-
PC&PNDT Activity	1,17,437.00	-
Shri Ganga Trust	47,845.00	-
-	-	-
b) Assistant Amount received	-	-
from CM Relief Fund	8,28,613.00	-
from PM National Relief Fund	26,05,514.00	23,24,700.00
-	-	-
-	-	-
2. Assistant Grant Given To Institution/Organisation		-
3. Subsidies given to Institutions/Organisations		
TOTAL	1,08,12,784.00	69,00,648.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-22*: EXPENDITURE ON GRANTS, SUBSIDIES ETC.

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
1. Grants given to Institutions/Organisations		
ICMR Grant	16,92,358.00	5,00,000.00
Patient Treatment Fund	9,88,800.00	8,47,575.00
Shri Ganga Trust	-	13,31,004.00
UNICEF Grant	42,53,900.00	-
Institutional Overhead	-	18,75,665.00
Rastriya Arogya Nidhi	80,271.00	17,674.00
Workshop & Seminar Programme	-	4,030.00
General Surgery CME	39,500.00	
Induction Tranning	1,33,320.00	
Jivdaya Foundation -Anaesthesia	25,226.00	
PC&PNDT Activity	1,17,437.00	
Shri Ganga Trust	47,845.00	
b) Assistant Amount received		
from CM Relief Fund	8,28,613.00	-
from PM National Relief Fund	26,05,514.00	23,24,700.00
2. Assistant Grant Given To Institution/Organisation		-
3. Subsidies given to Institutions/Organisations		
TOTAL	1,08,12,784.00	69,00,648.00

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BHUBANESWAR
SIJUA, PATRAPARA, BHUBANESWAR-751019**

DETAILS OF SCHEDULE-23: INTEREST.

PARTICULAR	Current Year (2019-20)	Previous Year (2018-19)
	(In Rs.)	(In Rs.)
a) On Fixed Loan	-	-
b) On Other Loans (including Bank Charges)	-	-
c) Others (Specify)	-	-
TOTAL	-	-

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


 Financial Advisor


 Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES BHUBANESWAR**A. SIGNIFICANT ACCOUNTING POLICIES**
SCHEDULE-24**1. Accounting Convention**

The financial statements of the entity have been prepared on the basis of historical cost convention, and in accordance with the accounting standards and by adopting on accrual basis of accounting.

2. Fixed Assets

Fixed Assets are stated at cost inclusive of freight, duties, taxes and other incidental and direct expenses incurred in connection with the acquisition of assets. Fixed Assets are capitalised with the value of acquisition cost.

E-journals which are included in the library books are treated as capital assets in view of limited benefit that could be derived from the access given on-line in respect of journals subscribed under this head. Though the assets acquired from E-journal subscription are not in a tangible form, it is considered necessary to capitalize it in view of the magnitude of expenditure and the benefit derived in terms of perpetual knowledge acquired by the faculty and students besides availability of the data in the form of DVD/CD for future reference.

3. Depreciation

Depreciation for the financial year 2019-20 has been provided on W.D.V method at the prevailing rates to the concerned Fixed Assets as specified in the Income Tax Act, 1961. In respect of addition of fixed assets during the year, depreciation was considered on pro-rata basis. Details of the depreciation on Fixed Assets is at Schedule -08 is an integral part of the financial statement.

4. Revenue Recognition

Revenue includes fees collected from students, OPD & IPD Collection and incomes has been recognised on cash basis. Only income from Bank deposits has been considered on accrual basis.

5. Government Grant/subsidies

The Central Government grants-in-aid accounted on realization basis.

6. Stores

Stocks of stores, spare parts, laboratory chemicals, glassware, consumables, and other inventory items present at the Central Stores are valued at cost price.

7. Previous year's figures have been rearranged and regrouped wherever found necessary.

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

ALL INDIA INSTITUTE OF MEDICAL SCIENCES BHUBANESWAR**B. CONTINGENT LIABILITIES AND NOTES ON ACCOUNTS**
SCHEDULE-25**1. Contingent Liabilities**

NIFT, Bhubaneswar is having a claim of Rs.7,74,135/- against the Institute towards Hostel and Mess Charges of AIIMS Students which is not acknowledge as debt by AIIMS, Bhubaneswar. Further a security deposit of Rs.1,25,000/- is also lying with NIFT Bhubaneswar. The Institute is of the opinion that the same would not be paid, so it is not shown as liability in the accounts.

2. Capital Commitments

The estimated value of the capital commitments at the end of the financial year is NIL.

3. Current assets, loans and advances

In the opinion of the Management, current assets, loans and advances have been shown on realization value which is equal to the figure shown in the financial statements.

4. Fixed Assets

Land & Building to be capitalised in the Accounts of PMSSY Project. Hence it is not reflected in our Accounts.

The Lease Hold Land (measuring 92.107 Acres) at Sijua is given by Govt of Odisha for 99 years. A token premium of Rs.2/- is deposited for the same and the lease deed is executed on 24.10.2013. So, the same is reflected under the Lease Hold Land under Fixed Assets Schedule.

Further 24.91 Acres of land was taken over as advance possession at Balasore for establishment of Satellite Centre, but the same is not reflected in the accounts as the lease deed for the same is not executed.

5. Investment

The Institute has earmarked Rs.7.00 lakhs received for giving awards to Students in a separate fund. The amount of Rs. 7.00 lakhs is kept in bank as a fixed deposit. Further auto sweep option has been activated in all the bank accounts maintained with Bank of India to earn higher returns as interest for temporary parking of fund in the institutes bank account.

6. Retirement Benefits

The institute provides and pays GPF & CPF to Officers on deputation and provides and pays NPS to other Regular Staff.

Contd....

ALL INDIA INSTITUTE OF MEDICAL SCIENCES BHUBANESWAR**7. Taxation**

No provision for Income Tax has been considered necessary in view of there being no taxable income of the Institution under Income Tax Act, 1961. Further, the institute has obtained registration as charitable institution under income tax act u/s 12AA

8. Extramural Research Grants and Fees

The Institute has opened two separate bank account (one current account and one savings account) with Bank of India AIIMS branch for maintaining its funds received from various organisation for scientific research purposes. Upto 2015-16 all the grant received is kept under the Schedule-13 – Grants/ Subsidies and the expenses are debited to the same account. If at the end of the year any surplus is left, the same is included in the Income & Expenditure account and is transferred to the Corpus Fund.

But from 2016-2017, the Institution has kept all the funds in separate bank account and the unspent balance in the Scientific research head is kept under Schedule – 7 Current Liabilities and Provisions.

Name of Project	Amount (In Rs.)
AIIMS New Delhi Harmonized	1,57,477.00
AIIMS New Delhi Verbal Autopsy	25,800.00
An Intergenerational Nutritional Supplementational	13,91,700.00
ATUS Project - Pediatric	55,150.00
BIRAC, TRC for Chikungunia Virus	5,58,013.00
Cartilage Turnover and Changes..ICMR	17,59,750.00
CDC, USA, AMSP	2,17,983.00
Characterisation of Cancer SERB	22,58,171.00
Clinopsys Clinical Research	33,300.00
Coconut Development Board-Clinical Trial	2,10,902.00
Coconut Development Board-Pre-Maligant Lesion	1,21,027.00
Determination of Pattern of Functional Biochemical	21,77,799.00
Determinats of Excess Alpha Globin Chain	20,67,824.00
Developing A Biomarker Based Prediction Tool	4,95,500.00
Diagnostic Utility of TC-99m PSMALL..ICMR	9,75,992.00
DST Investigating- Dr Kalapana Bharwal	1,02,232.00
DST, Sudarshana Kriya Yoga	1,57,382.00
Dynamic Human Milk - ICMR	69,654.00
Effect of Dietary Resistant Starch Intervention	6,30,832.00
Effect of Louthy Rexine Hypotheride	4,062.00
Epidomiology Infertility - O & G	65,211.00
EQ 5D Under Health Technology	2,71,583.00

Contd...

Name of Project	Amount (In Rs.)
Fenugreek Seed Extract - Pharmacology	4,500.00
Healthcare Access Model for Detection of Oral, ICMR	14,64,482.00
Hospital Based Cancer Registry	1,23,570.00
ICMR Consumption Food	8,14,285.00
ICMR Factorial RCTS	6,03,599.00
ICMR Heart Failure	4,36,700.00
ICMR NCDIR, Survey .. National NCD 15-16	88,480.00
ICMR - PI Dr.Bijayani Behera	7,16,226.81
ICMR Protective Antibody	3,52,680.00
ICMR Rubella	2,09,075.00
INAP, AIPPD New Guidelines Capacity Building	1,09,087.00
INCLN,Harmonised One Health Transpecies	95,612.00
Intensive Care - Mental Health	47,224.00
Jivdaya Foundation - Dr.Sonalli Mohapatra	3,91,415.19
LSRB, Investigating the Role Among India Population	3,08,003.00
MCNTE Project - ENT	3,80,112.00
Mutation Analysis of Congenial ...ICMR	10,62,122.00
National Survey: Non Communicable	7,609.00
National Tea Research Foundation	8,27,469.00
NCLN, Trust International, Dr.Saurin Bhuniya	16,901.00
Nural Auto..Encephalities-Dr.Bhagirathi Dwibedi	16,29,115.00
PGI Chandigarh Tobacco Control	33,096.00
Pharma Instinct Possible Anti Diabetic	10,000.00
Population Based Multi Centre Study..NHM Odisha	3,35,000.00
Prevalance and Etiology of Hearing	33,73,535.00
SERB Development Fungal Infection	15,49,701.00
SERB - Dr.Saurav Sarkar	43,798.00
SERB - Dr.Suvendu Purkait	17,687.00
SRM, IIT-AIIMS Project Micro Biome..	12,396.00
Study of Immunohisto Chemistry, Neurophysiolgy	4,80,500.00
Swabhiman Nutritional Intervention Prog	1,31,237.00
Training on Prevention of Obsteric Fistula	64,609.00
UNICEF Aspirational	1,35,081.00
UNICEF Jiban Sampark	8,27,852.00
UNICEF Public Health Nutrition	42,04,810.00
UNICEF SNCU..Fani, Dr.Vikash Bhatia	39,614.00
Unique Biotech, Dr.Debasish Hota	3,33,334.00
WHO Study on Validation of Urinary Sodium	6,558.00
World Food Programme	23,39,326.57
TOTAL	3,74,33,745.57

9. Assets created out of Extramural Research Grants:

The Institution has received a grant from ICMR during the year 2015-16, out of the same the following fixed assets amounting to Rs.39,20,000/- were purchased.

- (i) One Sound-Proof Van Rs. 20,00,000/-
(ii) Audiological Equipments Rs.19,20,000/-

The same has been adjusted from the ICMR Grant and have not been included in the Asset of the Institution. This is because, as per rule-233(i) of GFR 2017, the ownership in the physical and intellectual assets created out of Sponsored Projects/Schemes shall vest in the Sponsors and while the project or scheme is ongoing, the recipients should not treat such assets as their own assets in their book of Accounts but should disclose their holdings and using such assets in the notes to Accounts specifically.

Further, from Financial year 2016-17 onwards many assets were purchased out of the funds received from external agencies and the same were not included in the assets of the institution.

SI No	Name of the Project	FY-2016-17	FY-2017-18	FY-2018-19	FY-2019-20	Total
1	ICMR, Human milk, Dr. Amit Ghosh	0.00	6,17,888.00	0.00	0.00	6,17,888.00
2	NTRF, Dr. Amit Ghosh	0.00	9,90,316.00	3,80,169.00	0.00	13,70,485.00
3	ATU Dr. Rashmi Ranjan Das	1,20,374.00	0.00	0.00	0.00	1,20,374.00
4	ICMR, Dr. Swagata Tripathy	84,700.00	0.00	0.00	0.00	84,700.00
5	HBCR, Dr. Saroj Ku Das Mazumdar	0.00	50,000.00	0.00	0.00	50,000.00
6	SERB, Dr. Saurav Sarkar	0.00	0.00	75,300.00	0.00	75,300.00
7	ICMR-NCDIR, Dr. Ramachandra Barik	0.00	0.00	0.00	49,000.00	49,000.00
8	DST, Ms. Dharitri Swain	0.00	0.00	1,46,685.00	0.00	1,46,685.00
9	LSRB, Dr. Kalpana Barhwal	0.00	0.00	0.00	3,53,216.00	3,53,216.00
10	CDB, Dr. Rituparna Maiti	0.00	0.00	0.00	11,97,000.00	11,97,000.00
11	CDB, Dr. Amit Ghosh	0.00	0.00	0.00	6,94,912.00	6,94,912.00
12	SERB, Dr. Suvendu Purkait	0.00	0.00	7,34,948.00	0.00	7,34,948.00
13	ICMR, Lovothy Roxinee Dr. Rituparna Maiti	0.00	5,85,006.00	0.00	0.00	5,85,006.00
14	CDC USA, Dr. Bijayini Behera	0.00	50,000.00	0.00	16,38,284.19	16,88,284.19
15	Clinopsys Dr. Tushar S Mishra	0.00	36,900.00	0.00	19,800.00	56,700.00
16	SERB Dr. Suvendu Pukait	0.00	0.00	0.00	1,20,136.00	1,20,136.00
					GRAND TOTAL	79,44,634.19

10. **Funds received from External Agencies:**

The funds received on account of various grants like Extramural Research Grant Account, Patient Treatment Fund Accounts etc. are shown in the income expenditure and receipt payment account on net basis only as the funds released for such projects in one or more instalments are not treated as Grants-in-Aid in the books of implementing agency, as embodied in Rule-233(i) of General Financial Rule-2017.

11. **Foreign Currency Transactions**

(i)	Value of Imports Calculated of C.I.F. basis	:	NIL
(ii)	Expenditure in Foreign Currency	:	NIL
(iii)	Earnings in Foreign Currency	:	NIL
(iv)	Remuneration to Auditors	:	NIL

12. Corresponding figures for the previous year have been re-grouped and re-arranged wherever found necessary.

13. GPF contribution made by employees are kept in separate account. Out of the same the institute has transferred Rs.89.90 Lakhs in Fixed deposit with Bank of India towards getting additional interest for fund kept in GPF Account. Further the fund lying in the GPF account belongs to the employees so the same has not been shown in the main accounts. The details regarding the same is given in Annexure-GPF.

14. Schedule 1 to 25 are annexed to and from an integral part of the Balance Sheet as at 31st March 2018 and Income & Expenditure for the year ended on the date.

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director

Annexure GPFGPF AIIMS Bhubaneswar FUNDBalance Sheet as on 31.03.2020

Particulars	Amount in Rs.
Corpus Balance:	
Opening Balance	Nil
Add: Contributions made by Employees	71,61,426.00
Add: Opening Balance as per Broad Sheet	26,80,432.00
Add: Interest due on Subscribers Balance	5,23,145.00
Balance as per broad sheet	1,03,65,003.00
Total Amount	<u>1,03,65,003.00</u>
Assets:	
Amount Receivable from AIIMS Bhubaneswar	
Short fall in Opening Balance	2,22,076.00
Short fall in Current Year	2,88,790.04
	5,10,866.04
FD with Bank of India	89,90,000.00
Accrued Interest on the Fixed Deposit	66,990.00
Balance In bank (Current Account)	7,97,146.96
Total Amount	<u>1,03,65,003.00</u>

Income & Expenditure Account for the period 01.04.2019 to 31.03.2020

Particulars	Amount in Rs.
Income:	
Interest Received from Bank – Fixed Deposit Account	66,990.00
Interest Received from Bank – Sweep Account	1,68,604.00
A. Total Amount	<u>2,35,594.00</u>
Expenditure:	
Interest due on the Subscribers Balance	5,23,145.00
Bank Charges	1,239.04
B. Total Amount	<u>5,24,384.04</u>
Excess Expenditure over Income (B-A) - to be compensated by AIIMS Bhubaneswar	<u>2,88,790.04</u>

Receipt & Payment Account for the period 01.04.2019 to 31.03.2020

Particulars	Amount in Rs.
Receipt:	
Opening Balance:	
Cash at Bank	NIL
Cash at Hand	NIL
Opening Balance of Bank Account as on 01.04.2019 transferred to GPF	24,58,356.00
Employee's Contribution	71,61,426.00
Interest Received from Bank	1,68,604.00
Total Amount	<u>97,88,386.00</u>
Payment	
Bank Charges	1,239.04
Closing Balance:	
Cash at hand	Nil
Cash at Bank	7,97,146.96
Fixed Deposit with Bank of India	89,90,000.00
Total Amount	<u>97,88,386.00</u>

For and on behalf of All India Institute of Medical Sciences, Bhubaneswar


Financial Advisor


Director



AUDIT REPORT



महानिदेशक लेखापरीक्षा (केंद्रीय) का कार्यालय
सैफाबाद, हैदराबाद - ५०० ००४

OFFICE OF THE
DIRECTOR GENERAL OF AUDIT (CENTRAL)
SAIFABAD, HYDERABAD - 500 004.

No. DGA(C)/BO-Odisha/CRA-V/SAR.2019-20/AIIMS-BBSR/2020-21/

Date- 19.02.2021

To,
The Secretary,
Govt. of India, Ministry of Health & Family Welfare,
Nirman Bhawan, C Wing,
New Delhi 110011

Sub- Separate Audit Report on the accounts of All India Institute of Medical Sciences (AIIMS),
Bhubaneswar, Odisha for the year 2019-20 - reg.

Madam/Sir,

Separate Audit Report on the accounts of All India Institute of Medical Sciences (AIIMS),
Bhubaneswar, Odisha for the year 2019-20, Annexure thereof and one copy of Annual Accounts are
forwarded herewith for placing before both the House of Parliament.

The dates of presentation of Separate Audit Report in both the Houses of Parliament may please
be intimated.

Receipt of this letter along with the enclosure may kindly be acknowledged.

भवदीय,

संल:यथोपरि


Sd/-

महा निदेशक लेखापरीक्षा (केंद्रीय)
Director General of Audit (Central)

✓ No. DGA(C)/BO-Odisha/CRA-V/SAR.2019-20/AIIMS-BBSR/2020-21/ 495 Date- 19.02.2021

Copy to The Director, All India Institute of Medical Sciences, Sijua, Patrapada, Bhubaneswar 751019
Odisha, along with one copy of Annual Accounts for the year 2019-20 (English version), with a request
to furnish the Hindi version of the approved Annual Accounts 2019-20 (2 sets), to Branch Office-
Odisha

संल:यथोपरि


Dy. Director/CRA

जितेंद्र एस्. करपे,
Jitendra S. Karape, IA&AS



महानिदेशक लेखापरीक्षा (केंद्रीय)
सैफाबाद, हैदराबाद - ५०० ००४
Director General of Audit (Central)
Saifabad, Hyderabad - 500 004.

No. DGA(C)/BO-Odisha/CRA-V/SAR.2019-20/AIIMS-BBSR/2020-21/496

Date- 19.02.2021
08.03.2021

Dear Madam,

Audit of Annual Accounts of All India Institute of Medical Sciences (AIIMS), Bhubaneswar, Odisha for the year 2019-20, was conducted during October-November 2020. The observations, which were not included in the Separate Audit Report but merit the attention of the Management, are detailed below to enable your office to take necessary corrective action.

1. Accrued interest income of Rs. 0.53 lakh from the investment of Endowment fund of Rs.7 lakh was not added to Endowment Fund under *Addition to the fund - other additions interest out of endowment fund for gold medal* but was shown under *Schedule15-Income from Investment*. This resulted in understatement of Earmarked/Endowment funds by Rs0.53 lakh and overstatement of Corpus/Capital fund by the same amount.
2. Details/records in respect of Recovery of Mobilization Advance-Principal (Rs.2,33,09,739), Recovery of Mobilization Advance-Interest(Rs36,09,175,00), Recovery of Secured Advance (Rs3,30,46,817) was not furnished and consequently aspects as regard to appropriateness of exhibition of the items under Sch.7-Current liabilities and provisions could not be checked in Audit.

With Regards,

Yours sincerely,

To,
Dr. Gitanjali Batmanabane,
Director,
All India Institute of Medical Science,

**Separate Audit Report on the accounts of the All India Institute of Medical Sciences,
Bhubaneswar for the year 2019-20**

We have audited the attached Balance Sheet of **All India Institute of Medical Sciences (AIIMS), Bhubaneswar** as at 31st March 2020, the Income & Expenditure Account and Receipts & Payment Account for the year ended on that date under Section 19 (2) of the Comptroller & Auditor General's (Duties, Powers & Conditions of Service) Act, 1971 read with Section 18 (2) of AIIMS Act 1956 & AIIMS Amendment Act 2012. These financial statements are the responsibility of the Institute's Management. Our responsibility is to express an opinion on these financial statements based on our audit.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis 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 and Income & Expenditure Account and Receipt & Payment Account dealt with by this report have been drawn up in the format approved by the Ministry of Finance, Government of India.
- (iii) In our opinion, proper books of accounts and other relevant records have been maintained by **All India Institute of Medical Sciences (AIIMS), Bhubaneswar**, in so far as it appears from our examination of such books.
- (iv) We further report that:

A. Balance Sheet**A.1 Corpus/Capital Fund and Liabilities****A.1.1 Current Liabilities and Provisions-Rs 51,79,80,525.17 (Schedule-7)**

A.1.1.1 This did not include provision for known liability of Rs.167.52 lakh for 2019-20 which resulted in understatement of Current Liabilities and Provisions {Sch.7.A.Current liabilities;6.c)/Expenditure by Rs167.52 lakh and overstatement of Corpus/Capital fund to that extent.

A.1.1.2 The total grants of Rs 123.58 crore was shown under *Contribution towards Corpus/Capital Fund* (Schedule-1) instead of showing the utilized amount of Rs 114.45 crore and unutilised grant of Rs. 9.13 crore under Current Liabilities and Provisions (*Schedule-7.A.current liabilities.6.others*).This resulted in understatement of Current Liabilities and Provision by Rs. 9.13 crore and overstatement of Capital/Corpus Fund to that extent.

A.2 Assets**A.2.1 Fixed Assets: Rs 3,79,82,43,495.98(Schedule-8)**

A.2.1.1 Fund amounting to Rs. 33.42 crore was placed with CPWD as advance towards various deposit works up to 2019-20. Against these deposits, the CPWD reported utilization of Rs.15.20 crore with closing balance of unutilized advance amounting to Rs.18.22 crore as on 31-3-2020. However, in the annual accounts of the Institute, the full amount of Rs 33.42 crore was shown under Capital Work in Progress (CWIP) instead of utilized amount of Rs 15.20 crore under CWIP and unutilised amount of Rs 18.22 crore under Sch.11-Current Assets, Loans and Advances {B.Loans, advances and other assets 2.adv.and other amount recoverable in cash or in kind or value to be received a) on capital account}.

This resulted in overstatement of CWIP by Rs18.22 crore and understatement of Current Asset, Loans and Advances by an equal amount.

A.2.1.2 The work “Construction of Boundary wall at Satellite Centre”, Balasore was completed by CPWD during 2018 at an expenditure of Rs179.00lakh against deposit of 119.66 lakh(up to 2018-19) and balance amount of Rs 60.00 lakh as demanded by CPWD was paid and expended during 2019-20. But the work was not capitalized. This resulted in understatement of Fixed Assets (Sch8- bldgs-other bldgs. & infrastructures) and overstatement of CWIP(CWIP-bldg works) each by Rs 179.00 lakh.

A.2.2 Current Assets, Loans & Advances: Rs96,44,64,832.20(Schedule-11)

The accumulated balance of spares and consumables worth Rs8.44 crore as on 31.3.2020 were not shown under Current Assets{A-current asset-1.inventories-a)stores and spares}. This resulted in understatement of Current Assets by Rs.8.44 crore and understatement of Corpus/Capital Fund.

B. Income & Expenditure Account - Nil**C. Receipt & Payment Account- Nil****D. Accounting Policy- Nil****E. General:-**

(i) The Institute did not make provisions for retirement benefits *on actuarial basis* as required under AS-15 of ICAI despite being pointed out in the last SAR (2018-19).

(ii) Land (**2.04 dec**) allotted to the institute at Tangi for Tangi centre was not disclosed in the Notes on Accounts.

(iii) No action was taken to capitalize the works shown as CWIP (Rs74.10 crore) though pointed out vide para C.1 of last SAR.

(iv) As per Income Tax Act 1961, where an asset is put to use for less than 180 days in a previous year in which it is purchased, depreciation thereon shall be allowed at 50% of the depreciation allowable in respect of the block of asset comprising such asset. The Institute charged depreciation on the basis of number of days the asset was put to use which is not consistent with the rate allowable as per IT Act. Thus the depreciation charged on the fixed assets is not as per the Act and needs recast for better presentation.

Net effect of Audit Comments on Accounts:

The net impact of audit comments given in the preceding paragraphs is understatement of assets and liabilities by Rs.844.18 lakh each.

F. Grants-in-Aid

The Institute is fully funded by MoH&FW, Govt. of India. Out of the total grants-in-aid of Rs. 452.25 crore received during the year together with previous year's balance of Rs 48.25 crore and other receipts of Rs 21.41 crore (*interest accrued + internal receipt*), totaling to Rs 473.66 crore, the Institute utilized a sum of Rs 401.84 crore leaving a balance of Rs 71.82 crore as on 31st March 2020.

- v. Subject to our observations in the preceding paragraphs, we report that the Balance sheet and Income & Expenditure Account/Receipts & Payments 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 mentioned in **Annexure-I** to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:
- a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences (AIIMS), Bhubaneswar as at 31st March 2020; and
 - b. In so far as it relates to Income & Expenditure Account of the deficit for the year ended on that date.



Director General of Audit (Central)

Annexure I

1. Adequacy of system internal Audit:-

There is no internal audit wing in the Institute. Last internal audit was conducted by the Internal Audit wing of MoH&FW covering the period from December 2012 to March 2014 against which twenty paras are outstanding for compliance. No internal audit has been conducted since then. Hence, internal audit system is not adequate.

2. Adequacy of internal control system:- The Internal Control System is not adequate in view of the following

- i) In respect of deposit works Form-65 were not obtained monthly/regularly from the executing agency.
- ii) Physical verification of assets/inventories not conducted
- iii) Register for deposit works (CPWD) was not maintained to watch deposit of fund with the executing agency and monthly utilization of fund with the progress of work through regular submission of CPWA form 65A by CPWD.

3. System of physical verification of fixed asset:-Physical verification of Fixed Assets has not been conducted during 2018-19 and 2019-20.

4. System of physical verification of inventory:-Physical verification of inventory has not been conducted during 2018-19 and 2019-20.

5. Regularity in payment of statutory dues:-Statutory dues were paid regularly except few occasions for which the Institute paid late fee on GST.


Deputy Director/CRA