

ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ ਬਠਿੰਡਾ
ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ ਬਠਿੰਡਾ
ALL INDIA INSTITUTE OF MEDICAL SCIENCES BATHINDA



6TH ANNUAL REPORT
APRIL 2024 – MARCH 2025

COMMITTED FOR ACHIEVING
HIGH STANDARDS OF MEDICAL SERVICES



श्री जगत प्रकाश नड्डा
Shri Jagat Prakash Nadda
माननीय केंद्रीय मंत्री
Hon'ble Union Minister

स्वास्थ्य एवं परिवार कल्याण व रसायन एवं उर्वरक, भारत सरकार
Health & Family Welfare and Chemicals & Fertilizers, Government of India



श्री प्रतापराव जाधव
Shri Prataprao Jadhav
माननीय राज्य मंत्री (स्वतंत्र प्रभार)
आयुष मंत्रालय
Hon'ble Minister of State (Independent Charge)
Ministry of Ayush
व
and
माननीय राज्य मंत्री
स्वास्थ्य एवं परिवार कल्याण मंत्रालय, भारत सरकार
Hon'ble Minister of State
Ministry of Health & Family Welfare, Government of India



श्रीमती अनुप्रिया पटेल
Smt. Anupriya Patel
माननीय राज्य मंत्री
Hon'ble Minister of State
स्वास्थ्य एवं परिवार कल्याण व रसायन एवं
उर्वरक मंत्रालय, भारत सरकार
Ministry of Health & Family Welfare and
Chemicals & Fertilizers, Government of India



ALL INDIA INSTITUTE OF MEDICAL SCIENCES BATHINDA (PUNJAB)



ANNUAL REPORT: 2024-25

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FROM THE DESK OF PRESIDENT, AIIMS BATHINDA

Dr. Neerja Bhatla



I am delighted to present this Annual Report, excellent achievements in patient care, education, and research at AIIMS Bathinda in its progress towards fulfilling its role as an Institution of National Importance.

AIIMS Bathinda has made remarkable strides in a relatively short period of time. Our dedicated faculty members are already achieving world class milestones with their innovative research, delivering advanced and yet compassionate medical care, and inspiring the next generation of healthcare providers and leaders, fostering excellence in medical education. Cutting-edge medical technologies have been introduced including advanced treatments for cancer, cardiology and nephrology patients, research initiatives have been expanded, and educational programs have been enhanced to meet the highest standards of excellence.

The journey this year has been marked by significant milestones. The first convocation was held where students were privileged to receive their degrees from the Hon'ble President of India, Smt. Draupadi Murmu ji. The historic 'Swasth Nari Sashakt Parivar Abhiyaan' was celebrated in various places with great enthusiasm and fervor. Strategic collaborations and partnerships have been forged with leading healthcare organizations and research institutions to drive innovation and training and thereby improve patient outcomes and contribute to nation-building.

Our mission and vision for the future envisages building on the collaborative team spirit, expanding the patient care facilities and trauma care services, increasing the research capabilities, integrating traditional medicine systems, and enhancing the educational programs and skill development for all levels of students and healthcare providers. New courses are on the anvil that will further enhance our unwavering commitment to patient-centred care, as we continuously strive to improve the health and well-being of our community. We are committed to building a culture of excellence, and developing a legacy where every member from the family of AIIMS Bathinda is empowered to contribute to the advancement of medical science and the betterment of society and the nation.



FROM THE DESK OF EXECUTIVE DIRECTOR

Prof. (Dr.) Ratan Gupta



With great honour and a deep sense of responsibility, I present the Annual Report of AIIMS Bathinda, encapsulating a year of remarkable progress, unwavering commitment, and transformative achievements. This document reflects our institution's dedication to advancing medical education, research, and patient care.

Most remarkably, our Cath Lab is functional round the clock, minimizing the time to care. The Department of Radiotherapy has initiated stereo-tactic radio-surgeries for difficult-to-treat cancers, which was only available in a very few institutions so far. The emergency department is working in full swing to provide the best in region services.

AIIMS Bathinda continues to uphold the highest standards of academic excellence and clinical practice, nurturing the next generation of medical professionals who will shape the future of healthcare. Our distinguished faculty, driven by an unyielding passion for knowledge and innovation, have empowered our students to excel in their fields, fostering a culture of inquiry, empathy, and ethical practice.

The challenges we face in today's healthcare environment demand innovation, resilience, and a deep commitment to service. In response, we have expanded our academic programs, enhanced our clinical services, and engaged in meaningful community outreach. We are in the process of initiating organ transplantation services in the near future and expansion of the Cath lab in the near future. We have signed a MoU for the cashless treatment of CGHS pensioners and ex-servicemen contributory health schemes.

Very soon, PET machine will be operational, which is much needed for cancer patients. Our neonatal services are also expanded, and Mother Newborn Intensive Care Unit (MNICU) will be started, further enhancing our capacity to provide specialized care to mothers and newborns.

Our hospital has served as a pillar of hope and healing, providing high-quality care to all who seek it. As we move forward, we remain dedicated to our mission of educating the next generation of healthcare leaders while delivering unparalleled care to our patients.



EDITED JOINTLY BY

**Dr. Rakesh Kakkar**

Professor and HoD
Department of CFM

Dr. Narinder Kaur Walia

Associate Professor
Institute of Nursing Education & Research

Dr. Madhur Verma

Associate Professor
Department of CFM

Dr. Soumya Swaroop Sahoo

Associate Professor
Department of CFM

Sh. Vivek Goyal

Administrative Officer



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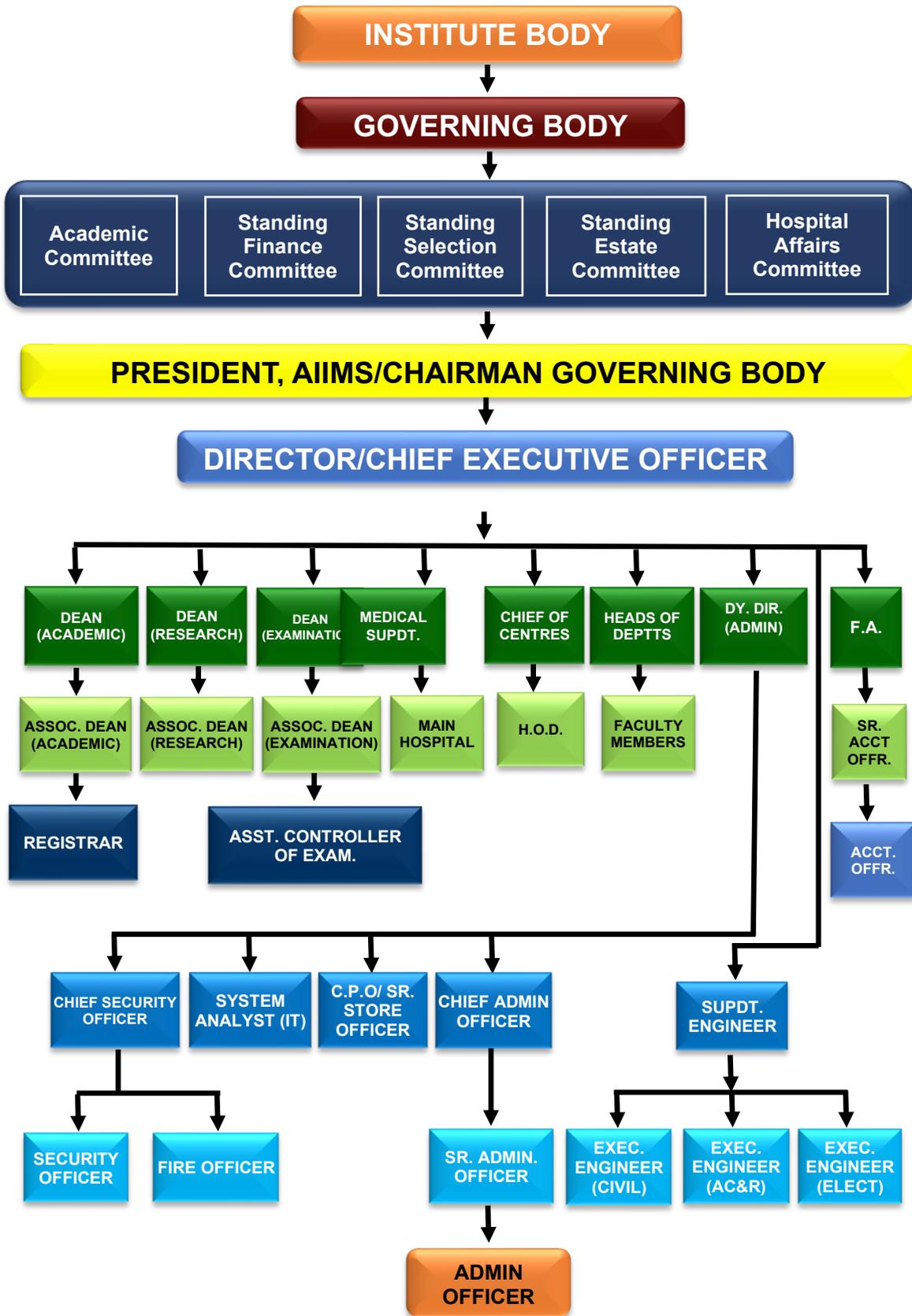
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ORGANIZATION CHART





BACKGROUND AND SPIRIT OF AIIMS BATHINDA

1. AIIMS Bathinda has been raised under the Central Sector Scheme, Pradhan Mantri Swasthya Suraksha Yojana (PMSSY), which was first announced in August 2003 with the primary objective of correcting the regional imbalances in availability of affordable/reliable tertiary level healthcare in the country in general, and to augment facilities for quality medical education in under-served or backward States, in particular. Hence 21 New AIIMS Projects have been conceptualised under PMSSY.
2. **Vision.**
 - (a) Ensuring specialty-based, evidence-based, equity-driven and state-of-the-art patientcare to the Malwa region of Punjab and adjoining states with a focus on regional diseases and health issues.
 - (b) Create an excellent academic and educational environment for providing a platform for development of quality medical services, teaching, and research.
 - (c) Achieve an exemplary quality in medical education delivery and training and to render International standard quality patient care and health care.
3. **Objectives of AIIMS Bathinda.**
 - (a) To develop a pattern of teaching in undergraduate and postgraduate medical education to demonstrate high standard of medical education to all medical colleges and other allied institutions in India.
 - (b) To bring together in one place educational facilities of the highest order for the training of medical and paramedical health personnel.
 - (c) To attain self-sufficiency in postgraduate in medical education.
 - (d) To provide State of the Art Medical services to the population of the region.



GOVERNANCE FRAMEWORK OF AIIMS BATHINDA

1. **Governance Structure.** The Institute is being administered under provisions of:
- (a) The AIIMS Act, 1956.
 - (b) The AIIMS Rules, 1958.
 - (c) The AIIMS Regulations, 1999.
 - (d) The AIIMS Regulations, 2019.

2. **The Institute Body.** In exercise of the powers conferred by section 4 of the All-India Institute of Medical Sciences Act, 1956 (25 of 1956) as amended by the All-India Institute of Medical Sciences (Amendment) Act, 2012 (37 of 2012), the Central Government has constituted the Institute Body of All India Institute of Medical Sciences, Bathinda vide Notification No. Z-28016/170/2018-PMSSY-IV, dated 30th January, 2020 consisting of the following members:

Sr.	Name of the Institution Body Members	Designation
(a)	Prof. (Dr.) Anil Kumar Gupta, Sr. Professor and Head, PGIMER, Chandigarh.	President
(b)	Sh. Apurva Chandra, IAS, Secretary, Ministry of Health and Family Welfare Govt. of India, (Ex-Officio).	Member
(c)	Shri Anurag Verma, IAS, Chief Secretary, Govt. of Punjab (Ex-Officio).	Member
(d)	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India (Ex-Officio).	Member
(e)	Shri Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, MoH&FW, Govt of India (Ex-Officio).	Member
(f)	Prof. Raghavendra Prasad Tiwari, Vice Chancellor, Central University of Punjab, Bathinda (Ex-Officio).	Member
(g)	Prof. Rajeev Ahuja, Director, Indian Institute of Technology, Ropar (Ex-Officio).	
(h)	Dr. Poonam Khetrpal Singh, Ex. Regional Director WHO South East Asia Region India New Delhi	Member
(i)	Dr. Surjit Singh, Prof. & Head, Department of Pediatric Medicine, PGIMER, Chandigarh	Member
(j)	Dr. Kamlesh Upadhyay, Professor & In-charge, Head of the Department, Department of Medicine, BJMC & Hospital, Ahmedabad, Gujrat	Member
(k)	Prof. (Dr.) D.K Singh, Executive Director, AIIMS Bathinda	Member
SPECIAL INVITEES		
(a)	Ms. Ankita Mishra Bundela, Joint Secretary, PMSSY Division, MoH&FW, Govt. of India	special invitees
(b)	Col. Rajeev Sen Roy, Dy. Director (Admin.), AIIMS Bathinda	special invitees
(c)	Financial Advisor, AIIMS Bathinda (Vacant)	_____

3. **Constitution of Various Committees.** Amongst the IB various committees including the Governing body and the Standing committees have been formed to regulate the business of AIIMS Bathinda. The various committees so formed are enlisted below:

4. **Governing Body.** The Governing Body of the Institute is the executive Committee of the Institute and shall exercise such powers and discharge such functions as the Institute may, by regulations made in this behalf, confer, or impose upon it. The governing Body consists of the following 11 members.



Sr.	Designation	Members of Governing Body												
(a)	President of the Institute	Dr. Anil Kumar Gupta, former Sr. Professor and Head, PGIMER, Chandigarh, (Chairperson)												
(b)	Secretary, Ministry of Health & Family Welfare, Govt. of India.	Sh. Apurva Chandra, IAS, Secretary, Ministry of Health and Family Welfare Govt. of India												
(c)	Director General of Health Services, Ministry of Health & Family Welfare, Govt of India	Prof. (Dr.) Atul Goel, Director General of Health Services, Ministry of Health & Family Welfare, Government of India												
(d)	Representative of the Ministry of Finance.	Sh. Jaideep Kumar Mishra, ICAS, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Government of India (Member)												
(e)	Chief Secretary, Govt. of Punjab, or his/her nominee	Sh. Anurag Verma, IAS, Chief Secretary, Govt. of Punjab, or his/her nominee												
(f)	One member elected by the members of the Institute from amongst the three members of the Parliament elected to the Institute.	Vacant												
(g)	Six Members of Institute Body	<table border="1"> <tbody> <tr> <td>(i)</td> <td>Dr. Poonam Khetrpal Singh, Ex. Regional Director WHO South East Asia Region India, New Delhi.</td> </tr> <tr> <td>(ii)</td> <td>Prof. Rajeev Ahuja, Director IIT Ropar</td> </tr> <tr> <td>(iii)</td> <td>Vacant</td> </tr> <tr> <td>(iv)</td> <td>Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.</td> </tr> <tr> <td>(v)</td> <td>Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana</td> </tr> <tr> <td>(vi)</td> <td>Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda, Member Secretary.</td> </tr> </tbody> </table>	(i)	Dr. Poonam Khetrpal Singh, Ex. Regional Director WHO South East Asia Region India, New Delhi.	(ii)	Prof. Rajeev Ahuja, Director IIT Ropar	(iii)	Vacant	(iv)	Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.	(v)	Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana	(vi)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda, Member Secretary.
(i)	Dr. Poonam Khetrpal Singh, Ex. Regional Director WHO South East Asia Region India, New Delhi.													
(ii)	Prof. Rajeev Ahuja, Director IIT Ropar													
(iii)	Vacant													
(iv)	Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.													
(v)	Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana													
(vi)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda, Member Secretary.													

5. **Standing Finance Committee (SFC).** The Standing Finance committee is constituted to pass and scrutinize various financial matters of the Institute which include:

- (a) Annual accounts showing the receipts and expenditure of the Institute together with the audit report thereon.
- (b) Budget estimates showing the estimated receipts and expenditure of the Institute.
- (c) All proposals for the creation of new post.
- (d) All financial matters pertaining to the Institute.
- (e) All matters relating to the invitation and acceptance of tenders.



Sr.	Name of the SFC Member	Chairman/Member
(i)	Sh. Apurva Chandra, IAS, Secretary, Ministry of Health & Family Welfare, Government of India	Chairman
(ii)	Sh. Jaideep Kumar Mishra, ICAS, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Government of India.	Vice-Chairman
(iii)	Prof. (Dr.) Atul Goel, Director General of Health Services, Ministry of Health & Family Welfare, Government of India.	Member
(iv)	Sh. Anurag Verma, IAS, Chief Secretary, Government of Punjab, or his nominee.	Member
(v)	Prof. R.P Tiwari, Vice Chancellor, Central University of Punjab.	Member
(vi)	Dr. Surjit Singh, Prof & Head, Department of Paediatrics Medicine, PGIMER, Chandigarh.	Member
(vii)	Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana	Member
(viii)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary

6. **Standing Estate Committee (SEC).**

Sr.	Name of the Member	Status in SEC
(a)	Vacant	Chairman
(b)	Ex. Regional Director WHO South East Asia Region India New Delhi.	Vice-Chairman
(c)	Shri Jaideep Kumar Mishra, ICAS, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Government of India.	Member
(d)	Sh. Anurag Verma, IAS, Chief Secretary, Government of Punjab, or his nominee.	Member
(e)	Prof. R.P Tiwari, Vice Chancellor, Central University of Punjab	Member
(f)	Vacant	Member
(g)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary

7. **Standing Academic Committee (SAC).**

Sr.	Name of the Member	Status in SAC
(a)	Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.	Chairman
(b)	Prof. Rajeev Ahuja, Director, IIT Ropar.	Vice-Chairman
(c)	Prof. (Dr.) Atul Goel, Director General of Health Services, Ministry of Health & Family Welfare, Government of India.	Member
(d)	Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana.	Member
(e)	Prof. R.P Tiwari, Vice Chancellor, Central University of Punjab	Member
(f)	Dr. Surjit Singh, Prof & Head, Department of Paediatrics Medicine, PGIMER, Chandigarh.	Member
(g)	Vacant	Member
(h)	Vacant	Member
(i)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary

8. **Standing Selection Committee (SSC).**

Sr.	Name of the Member	Status in SSC
(a)	Prof. (Dr.) Atul Goel, Director General of Health Services, Ministry of Health & Family Welfare, Government of India.	Chairman
(b)	Prof. Rajeev Ahuja, Director, IIT Ropar.	Vice Chairman
(c)	Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.	Member
(d)	Prof. R.P Tiwari, Vice Chancellor, Central University of Punjab	Member
(e)	Dr. Surjit Singh, Prof & Head, Department of Paediatrics Medicine, PGIMER, Chandigarh.	Member
(f)	Vacant	Member
(g)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary

9. **Standing Hospital Affair Committee (SHAC):**

Sr.	Name of the Member	Status in SHAC
(a)	Dr. Surjit Singh, Prof & Head, Department of Paediatrics Medicine, PGIMER, Chandigarh.	Chairman
(b)	Vacant	Vice-Chairman
(c)	Prof. (Dr.) Atul Goel, Director General of Health Services, Ministry of Health & Family Welfare, Government of India.	Member
(d)	Sh. Anurag Verma, IAS, Chief Secretary, Government of Punjab, or his nominee.	Member
(e)	Dr. Kamlesh Upadhyay, Professor and In-Charge, Head of the Department of Medicine, B.J. Medical College and Civil Hospital, Ahmedabad, Gujrat.	Member
(f)	Dr. Yogender Malik, Professor Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana.	Member
(g)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary

10. **Standing HR Sub Committee (SHSC):**

Sr.	Name of the Member	Status in SHSC
(a)	Dr. Yogender Malik, Professor, Bhagat Phool Singh, Govt. Medical College, Sonipat, Haryana	Chairman
(b)	Prof. Rajeev Ahuja, Director, IIT Ropar	Member
(c)	Sh. Anurag Verma, IAS, Chief Secretary, Government of Punjab, or his nominee.	Member
(d)	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda.	Member-Secretary



GENERAL ADMINISTRATION



GENERAL ADMINISTRATION

SANCTIONED STRENGTH AND IN-POSITION

As on 31 March 2025

1. During the year, Faculty and Non- Faculty recruitment was done. Accordingly, the Sanctioned and working Strength of faculty and Non-faculty in FY 2024-25 is as follows:

Sr.	Category	Sanctioned Strength	In-position (as on 31.03.2025)
(a)	Project Posts	8	5
(b)	Faculty Posts	209	138
(c)	Sr/JR	400	344
(d)	Para Medical Staff	227	110
(e)	Nursing Faculty & Nursing Staff	870	629
(f)	Admin. & Other Staff	119	53
	Total Manpower	1833	1279

PROJECT CELL

2. **Detail of Project Cell Post.**

Sr.	Designation	Name of Official
(a)	Executive Director	Prof. (Dr.) Dinesh Kumar Singh
	Additional Charge	Prof. (Dr.) Meenu Singh
(b)	Medical Superintendent	-----
(c)	Dy. Director (Admin.)	Col. Rajeev Sen Roy
(d)	Sr. Account Officer (Post downgraded from Financial Advisor to Sr. Account Officer by MoHFW)	Shri Vishal Kumar
(e)	Administrative Officer	Shri Vivek Goyal
(f)	Superintendent Engineer	-----
(g)	Executive Engineer (Civil)	Shri Abhinav Jain
(h)	Executive Engineer (Electrical)	-----

3. **The Administrative Division is broadly responsible for the following tasks:**

- (a) Manpower planning and Recruitment, Human Resources.
- (b) General Administration.
- (c) Project implementation.
- (d) Establishment matters of faculty and non-faculty.
- (e) Security.
- (f) Disciplinary matter.
- (g) Vigilance.
- (h) Engineering Services.
- (i) Stores and Procurement.
- (j) Parliament questions.
- (k) Coordination of meetings of Statutory Bodies.
- (l) Constitution of various committee to look into functioning of Institute.
- (m) Implementation of Right to Information Act.
- (n) Works assigned by Ministry/Director, AIIMS.



ADMINISTRATION

Deputy Director (Administration)
Colonel Rajeev Sen Roy
Administrative Officer
Shri Vivek Goyal
Asst. Administrative Officer
Sh. Ashish Kumar Sh. Ankit Punia
Jr. Administrative Officer
Sh. Himanshu Khulbey Sh. Satnam Sh. Aashish Kumar Sh. Jitendra Jain
Sr. Admin. Assistant
Sh. Dinesh Mittal Sh. Prabhjot Singh Ms. Shivani Suryavansi Sh. Amandeep Kumar Garg Sh. Puneet Garg Sh. Ankush Garg
<u>Secretarial Staff</u>
Sh. Aman Kumar Pathak, Personal Secretary Sh. Vikas Kumar, Personal Assistant Ms. Bhartu Kamboj, Stenographer Sh. Hitanshu Kumar Sharma, Stenographer Ms. Purna Bishnoi, Stenographer



<u>Finance & Accounts Office</u>
Sr. Account Officer
Shri Vishal Kumar
Account Officer
Smt. Leena Kumari
Jr. Accounts Officer
Sh. Sahil Kumar
Cashier
Sh. Charanjeet Kumar
<u>Engineering & Estate Office</u>
Executive Engineer (Civil)
Er. Abhinav Jain
Engineers
<p>Er. Ashish Kumar Gupta, Assistant Engineer (Civil)</p> <p style="padding-left: 40px;">Er. Ankit Sharma, Junior Engineer (AC&R)</p> <p>Er. Arpit Kumar Bhatti, Junior Engineer (Civil)</p> <p style="padding-left: 40px;">Er. Vishal Chaurasia, Junior Engineer (Civil)</p> <p style="padding-left: 80px;">Er. Rahul Ray, Junior Engineer (Civil)</p> <p style="padding-left: 40px;">Er. Sandeep, Junior Engineer (Electrical)</p>



BUILDING AND ENGINEERING DEPARTMENT

BRIEF OF AIIMS, BATHINDA PROJECT

Sr.	Date of Cabinet Approval	27.07.2016
1.	Approved Project Cost	925 Crores
2.	Construction Component Cost	747 Crores
3.	Equipment Component Cost	178 Crores
4.	Area	179 Acres 02 Kanal 03 Marla
5.	Construction cost of Buildings	584 Crores Approx.
6.	Executing Agency	HLL Infra Tech Services Ltd.
7.	Contractor	M/s. NCC Limited
8.	Date of Agreement between MoHFW & Executing Agency	Memorandum of Agreement dated 07.12.2017
9.	Agreement between EA and Contractor	HITES/IDN/AIIMS-BATHINDA/65-C/2018-19 dated 04.07.2018
10.	Stipulated time and date of start	08.06.2018 (LOA No. HITES/IDN/AIIMS-BATHINDA/65-C/2018-19/268 dated 08.06.2018)
11.	Actual Date of start of project	25.08.2018
12.	Actual Date of completion of Project	30.04.2022 (DLP period completed on 30.04.2023)
13.	Brief of Construction	(a) Hospital Block: 750 Bedded with OPD, IPD, AYUSH (b) Academic Block: Medical College, Nursing College (c) Residential Block: Director's Residence, Residences and Hostels for Doctors, Nurses, Employees and Students; Guest House and Night Shelter.

HOSPITAL COMPLEX (DISTRIBUTION OF BEDS)

- The 750 Bedded Hospital shall comprise of the following blocks /departments:
- ✓ Hospital Block (720 Beds)
 - Specialty Departments - 360 Beds
 - Super Specialty Departments - 215 Beds
 - Other Facilities - 145 Beds
 - ✓ AYUSH Block - 30 Beds
 - ✓ Total Beds - 750 Beds



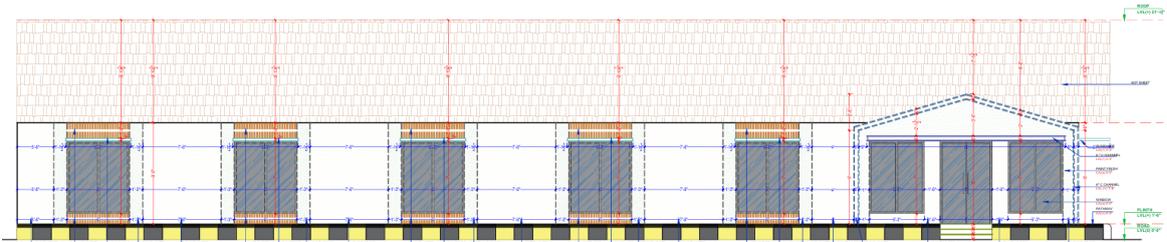
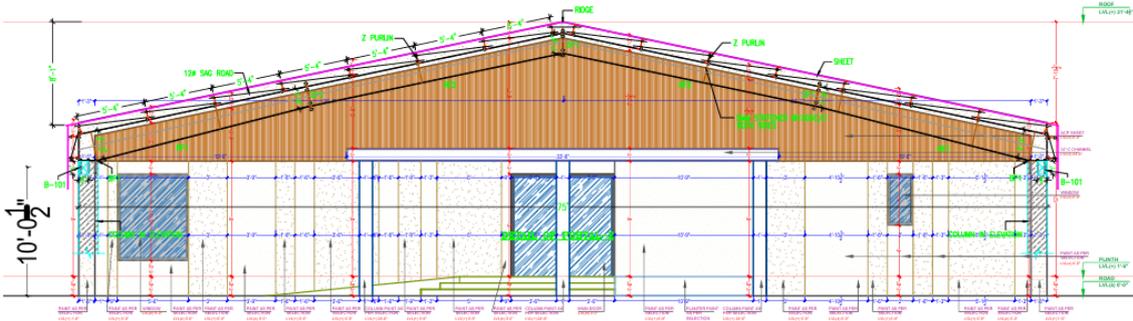
SUMMARY OF FACILITIES PLANNED/ PROVIDED

Sr.	Buildings/Particulars	Planned/ Provided
1.	Main Hospital Block (IPD, OPD, OT, MGPS)	720 Beds
2.	AYUSH Block	30 Beds
3.	Medical College and Nursing College	100 Admissions (Medical College)
4.		60 Admissions (Nursing College)
5.	Auditorium	500 Seats
6.	Night Shelter	150 Beds
7.	Shopping Centre	01 No.
8.	Central Dining & Mess	01 No.
9.	Cafeteria Sites	03 No.
10.	UG Hostel Boys	242 Nos. (Bed capacity)
11.	UG Hostel Girls	242 Nos. (Bed capacity)
12.	PG Hostel	80 Nos.
13.	Working Nurses Hostel	150 Nos.
14.	Student Nurses Hostel	288 Nos. (Bed capacity)
15.	Director's Residence	01 No.
16.	Housing Facilities	Type – V, IV, III, II
17.	Guest House	15 Rooms
18.	Animal House	01

In FY 2024-25, the proposal for construction of Central Store building and GYM in the form of Pre-engineered structure was initiated to provide the adequate working space for the Central Store and GYM for recreational facilities for the students, staff and faculty residing at the campus. The matter is under administrative approval and is being actively pursued.



GYM SIDE VIEW





ACADEMIC SECTION



DEPARTMENT OF DEAN ACADEMICS

Name of the Department	Dean Academics, AIIMS Bathinda
Head of the Department	Prof. Dr. Akhilesh Pathak

1. Faculty Details.

Sr.	Name of faculty	Designation	Date of Joining
(a)	Prof. (Dr.) Akhilesh Pathak	Dean Academics	8 th June 2023
(b)	Dr. Monica Kakkar	Asso. Dean Academics	8 th June 2023

2. Brief Introduction of the department.

(a) **Introduction.** All India Institute of Medical Sciences (AIIMS) Bathinda has continued to advance its mission of providing high-quality medical education, research, and healthcare services. As the Dean of Academics, I am pleased to present the annual report for 2024-25, which highlights our accomplishments, initiatives, and future directions.

3. ACADEMIC COURSES AND TRAINING PROGRAMMES.

(a) DM–MCh Courses.

(i) During the academic year 2024–25, DM–MCh programmes were offered in 13 departments, with new courses introduced in four departments.

(ii) DM Courses were initiated in the departments of Forensic Medicine and Toxicology and Neurology, in addition to the existing DM programmes in Cardiology and Nephrology.

(iii) MCh Courses were introduced in Surgical Gastroenterology and Gynaecologic Oncology, in addition to the existing MCh programmes in Cardiothoracic and Vascular Surgery (CTVS), Neurosurgery, Urology, Joint and Replacement Surgery, Hand and Microvascular Surgery, Paediatric Surgery, and Plastic and Reconstructive Surgery.

(b) MD (Hospital Administration) / DM (6 years) / MCh (6 years) Courses.

(i) In addition to the existing MD/MS/MDS programmes in 22 departments, new MD (HA)/DM (6 years)/MCh (6 years) courses were started in five departments during 2024–25.

(ii) The MD course in Hospital Administration was introduced.

(iii) The MCh (6-year) programmes commenced in Paediatric Surgery, Neurosurgery, and Plastic and Reconstructive Surgery.



- (c) **MBBS Course** : A total of 100 students were admitted to the MBBS Batch 2024 during the academic session 2024–25. From the MBBS Batch 2020, 98 students successfully passed the Final Professional Examination and subsequently commenced their compulsory internship training at AIIMS Bathinda.
- (d) **B.Sc. MRI Technician Course**: The B.Sc. MRI Technician course was initiated in the year 2023 with an annual intake of 10 students. In the academic session 2024–25, 7 candidates were admitted to the course.
- (e) **Short-Term and Long-Term Training Programmes**: Students were admitted to Short-Term and Long-Term Training Courses (1–6 months duration) in various departments of AIIMS Bathinda, providing exposure to advanced clinical and research techniques as part of institutional training initiatives.
- (f) **B Sc Nursing (Hons) and MSc in Nursing**.
4. The 1st Staff Council Committee meeting was held on 2nd December, 2024.
5. The 3rd Standing Academic Committee meeting was conducted on 13th December, 2024 to approve the Academic agendas.
6. **DEVELOPMENT OF ACADEMIC GUIDELINES AND BOOKLETS**. The following guidelines and academic booklets were prepared and implemented during the academic year 2024–25 to streamline academic, administrative, and residential processes :-
- (a) MBBS Admission Guidelines Booklet
 - (b) Postgraduate (PG) Admission Guidelines Booklet
 - (c) PhD Admission Guidelines Booklet
 - (d) Internship Logbook
 - (e) MD–MS Logbook
 - (f) Hostel Rules Booklet
 - (g) Thesis Submission Guidelines
 - (h) Academic Calendar for MBBS Course
7. **Postgraduate And Doctoral Academic Progress**:
- (a) Theses for the second batch of MD/MS/MDS students were submitted and are currently under evaluation.
 - (b) The Doctoral Research Committee Meeting of **Biochemistry** was conducted for PhD candidates.
8. **High-security certificates** : (Degree, DMC, and other documents) were distributed after due approval.
9. **Mentorship Program** was started for Postgraduate students, in addition to the ongoing program for Undergraduate students.
10. Student Exchange Programmes were initiated with AIIMS Rishikesh in addition to AIIMS Bhopal to promote academic collaboration and exposure.
11. Comprehensive orientation programs were conducted for **MBBS, Internship, MD–MS–MDS, and Nursing students** to familiarize them with institutional protocols, academics, and ethics.



12. Regular **meetings and activities** were organized under various student committees to ensure holistic development, including:
- Sports, cultural, literary, and festive events
 - Anti-ragging, disciplinary, yoga, and meditation sessions
 - PG Mentor Committee interactions
13. Special **Yoga and Meditation sessions** for faculty, staff, and students were conducted regularly to promote mental well-being.
14. **Workshops And Guest Lecture**
- Workshop for Undergraduate Students: “How to Prepare a Research Project” and STS Project Guidance Workshop.**
 - Patent and IPR Cell Workshop:** Conducted for faculty and students to promote innovation and awareness.
 - Meditation Workshop:** Conducted by **Acharya Shri Arvind Muni Ji** on 5th September 2024.
 - Online Workshop: “Inner Peace and Global Harmony”** by **Sister Shilpa** on 21st December 2024.
 - Guest Talk:** Delivered by **Dr. D.S. Gangwar** and **Dr. B.N. Gangadhar** on “Becoming a Good Doctor” on 25th September 2024.
15. **CPC, CGR, and Statistics Presentations:** Initiated across all departments for faculty and residents to enhance academic learning and research analysis.
16. **White Coat Ceremony:** Conducted for **MBBS Batch 2024**, with parents invited to celebrate the milestone.
17. **Infuse-2024:** A dedicated student-led program for skill enhancement and teamwork.
18. **“Rubaru” Freshers’ Party:** Organized for **MBBS Batch 2024** on 12th February 2025.
19. **Faculty Development.**
- Faculty Learning Workshops** conducted by **CMET**, including Self-Directed Learning (SDL), Blueprinting, and How to Prepare MCQs and Question Papers.
 - Organized **training programs** for faculty on advanced teaching methodologies, research skills, and clinical practices.
 - Encouraged **faculty participation** in national and international conferences, leading to increased collaborations and publications.



20. **Student Achievements** : AIIMS Bathinda students excelled in multiple domains—academic, research, and extracurricular activities—bringing laurels at the national and international levels.

(a) **Mr. Surya Shanbhog** (MBBS Batch 2021) was awarded the **prestigious Khorana Scholarship 2025**.

(b) “One Day Sensitization Programme on Intergenerational Bonding” sponsored by Ministry of Social Justice and Empowerment organised by School of Management, department of Financial Administration, Central University of Punjab Bathinda on 3rd February 2025

(c) **Mr. Archit Goel** (MBBS Batch 2020) achieved the following distinctions:

(d) Poster Walk Presentation on “Efficacy of FLT3 Inhibitors in Acute Myeloid Leukemia (AML): A Network Meta-Analysis of Randomized Controlled Trials” at the **SOHO Annual Meeting (4–7 Sept 2024, Houston, USA)**.

(e) Selected to present “Challenges in the Shadows: Invasive Fungal Infections in Geriatric Chronic Kidney Disease Patients” at the **22nd Asian Pacific Congress of Nephrology**, held jointly with the **44th Annual Meeting of the Korean Society of Nephrology** (13–16 June 2024, Seoul, Korea).

(f) Selected for the **Khorana Program for Scholars (2024)** — a 10–12 week research elective in the USA, jointly funded by the **Department of Biotechnology (DBT)** and the **Indo–U.S. Science and Technology Forum (IUSSTF)**. He worked in the **Pancreatic Cancer Early Detection Laboratory** under **Prof. Michael Goggins, Johns Hopkins University**, and was **graded with Honours (highest grade)**.

21. The various course **curriculum** were reviewed and updated to incorporate the latest advancements in **medical science, technology, and competency-based education**.

22. Memorandum of Understanding was signed with **IISER Mohali, CSIO Chandigarh** and CUP Bathinda facilitating **joint boot camps, research collaborations, and faculty exchanges**.

23. Promoted innovation and intellectual property development through:

(a) Conduct of **Patent Awareness Workshops**.

(b) Facilitation of **patent applications** for innovative medical devices and techniques developed by faculty and students.

24. Enhanced campus facilities, including Upgradation of libraries, Lecture theatres, laboratories, and recreation spaces to create a conducive learning and research environment.



25. **Digital Transformation** through implementation of an **Integrated LMS-CMS System** to streamline academic, clinical, and administrative workflows.

(a) **Future Plans**

(i) **Expansion of Academic Programs**: Introduction of new postgraduate, super-specialty, and allied health courses.

(ii) **Skill Development**: Establishment of a **dedicated Skills and Innovation Hub** for advanced medical training.

(iii) **Enhanced Healthcare Services**: Strengthening outreach programs and partnerships to improve healthcare accessibility in the **Malwa region**.

(iv) **Sustainability Initiatives**: Implementation of green campus measures to promote environmental consciousness and sustainability.

26. **Acknowledgments**. Sincere gratitude is extended to **Dr. Agyapal Singh (Registrar)**, members of the **Academic Cell** — **Dr. Gagandeep Kwatra, Dr. Mintu Pal, Dr. Altaf Mir, Dr. Lata Goyal, Dr. Priyanka, Dr. Soumya Sahu**, and other faculty members. Special thanks to the **Dean Office staff** — **Mr. Hitanshu Sharma, Ms. Navdeep Kaur, and Ms. Satinder Verma**, students, and all stakeholders for their dedicated efforts.

Together, we continue to advance the mission of **AIIMS Bathinda** with renewed commitment, academic excellence, and compassion.

Professor Dr. Akhilesh Pathak
Dean Academics,
AIIMS Bathinda



DEPARTMENT OF ANAESTHESIOLOGY

Name of the Department	Anaesthesiology
Head of the Department	Dr. Anju Grewal

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Anju Grewal	Professor and HOD	16.12.2022
2.	Dr. Mayank Gupta	Associate Professor	02.8.2021
3.	Dr. Navneh Samagh	Associate Professor	9.11.2019
4.	Dr. Jyoti Sharma	Associate Professor	01.2.2020
5.	Dr. Gopal Kishan Jalwal	Assistant Professor	14.8.2021
6.	Dr. Jyoti Kanwat	Assistant Professor	14.8.2021
7.	Dr. Shashank Umesh Paliwal	Assistant Professor	14.8.2021
8.	Dr. Gegal Pruthi	Assistant Professor	23.8.2021
9.	Dr. Ankita Dey	Assistant Professor	3.1.2022
10.	Dr. Uma Rathi	Assistant Professor	19.12.2023 A/N
11.	Dr. Swati Das	Assistant Professor	28.2.2024 A/N
12.	Dr. Mohammad Luqman	Assistant Professor	8.7.2024 A/N

II. Brief Introduction of the department:

The Anaesthesia Department at AIIMS Bathinda proudly presents its annual report, showcasing a year of unwavering dedication to patient care, education, research, and innovation. As a vital pillar of healthcare delivery at this esteemed institution, our department has strived to uphold the highest standards of excellence.

Patient-Centric Care: Over the past year, we have continued to prioritise patient safety, comfort, and optimal outcomes. Our specialised anaesthesia services have supported a wide range of surgical interventions, including, but not limited to, neurosurgeries, cardiovascular surgeries, gastro surgeries, complex pediatric surgeries, and high-risk obstetric surgeries. Medical management and interventional procedures are being performed to provide relief to patients with chronic pain. The pre-anaesthetic checkup (PAC) clinic caters to several patients scheduled for elective surgical/interventional procedures six days a week. One emergency operation theatre each for obstetric and non-obstetric surgical emergencies functions round the clock throughout the week. A 20-bedded intensive care unit caters to critically ill patients requiring rigorous intensive care management around the clock. The post-anaesthesia care unit (PACU) is also functional around the clock. Our department has been working diligently and relentlessly to improve patient outcomes.

Academic Excellence: Our commitment to education remains unwavering. We have nurtured the next generation of healthcare professionals through structured residency programs, equipping them with the knowledge and clinical skills required to excel in the field of anaesthesia, Critical Care and Pain medicine with an endeavour to become Perioperative Physicians. Furthermore, our faculty has actively engaged in research endeavours, contributing to the advancement of anaesthesia science and safe high quality patient care.

Research and Innovation: Innovation has been a hallmark of our department. We have embarked on pioneering research initiatives, addressing critical questions in anaesthesia and pain management. Our research findings have been disseminated through publications and presentations, furthering our reputation as leaders in the field.



III. Patient care Data:

For Clinical departments:

SI No	Category	Number
1.	Patients seen in PAC OPD	17909
2.	Patients admitted in IPD	35
3.	Teleconsultations	-
4.	Procedures performed (Surgeries) A. Major B. Minor	Major-9547 Minor -3329
5.	Any other special clinic/activity	Pain OPD – 1399 Pain OT – 35 Community-based palliative care - 902

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Mayank Gupta			
2	Dr. Navneh Samagh			
3		Organising Co-chairperson cum Workshop Chairperson	33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACPCON 2025), March 2025	AIIMS Bathinda
National Conference				
1.	Dr. Anju Grewal	1. Workshop coordinator & faculty for PoCUS & Critical care in Obstetrics: Simulation-based learning 2. Examiner AOA fellowship exit exam 2024 3. Chairperson for AOA Oration 4. Speaker for topic: Maternal CPR Guidelines 5. Speaker: Difficult airway management in obstetrics	Annual National Conference of the Association of Obstetric Anaesthesiologists (AOA), India AOACON, September 2024 Elected President, AOA India	AOA Kolhapur branch, Kolhapur, Maharashtra
		1. Awarded Fellow of Airway Management Foundation, 2025	National conference & Workshop of Airway Management	Airway Management Foundation



		<p>2. Speaker: VAFI (Video-assisted Fiberoptic Intubation)</p> <p>3. Judged airway paper presentation session</p>	<p>Foundation (AMF), New Delhi</p>	
		<p>Online / recorded Talks at national Conferences:</p> <ol style="list-style-type: none"> 1. STACC, Varanasi 2. MASCON 2024, Mumbai 3. MAMC PG update 4. ICACON (Indian College of Anaesthesiologists), Lucknow 5. ICA PG Assembly 6. ARC-north PG assembly 	<p>Speaker:</p> <ol style="list-style-type: none"> 1. Airway Injury: Navigating the ticking time bomb 2. Pre-eclampsia 3. Dual Device Intubation or VAFI 4. Patient Blood Management 5. Maternal CPR 6. Unconventional uses of LMA 7. How to ensure quality & safety in resource-limited settings for obstetrics <p>Patients with Ischemic heart disease posted for Non cardiac surgery: 2024 AHA ACC guidelines</p>	
		<p>Ramachandra Advanced Airway Course 2024 August, Chennai</p>	<p>Speaker online: Dual device intubation techniques</p>	<p>SRMC, Chennai</p>
		<p>Ganga Anaesthesia Refresher Course (GARC 2025) January, 2025</p>	<p>Patient factors in preventing complications in Anaesthesia</p>	<p>Ganga Hospitals, Coimbatore, Tamil Nadu</p>
		<p>Ramachandra Anaesthesia Continuing Education, RACE 2025</p>	<p>Speaker: Anaesthesia for Bariatric surgery: Managing obesity's unique challenges and risks</p>	<p>SRMC, Chennai</p>
		<p>Punjab IMA conference, Ludhiana</p>	<p>Speaker: navigating anesthetic challenges in obese patients for bariatric surgery</p>	<p>IMA Ludhiana City Branch</p>
2.	Dr. Mayank Gupta	<p>Patients' experiences of mechanical ventilation in low-and-lower-middle-income countries- Protocol of a systematic review</p>	<p>3rd Cochrane India Conclave</p>	<p>AIIMS, Rishikesh</p>
3.	Dr. Navneh Samagh	<p>Organising Secretary</p>	<p>DHR-ICMR Clinical training workshop on perioperative ultrasound, April 2024</p>	<p>AIIMS, Bathinda</p>
		<p>Organising committee member</p>	<p>Comprehensive cardiac anaesthesia update:</p>	<p>AIIMS Bathinda</p>



			escalating care NZACTA Annual conference 2024	
		Invited Faculty	5 th Annual Conference of the Neurocritical Care Society of India (NCSI 2024, Chennai) August 30 th to September 1 st , 2024	NCSI Chennai
		Resource faculty for workshop on Transcranial ultrasound	5 th Annual Conference of the Neurocritical Care Society of India (NCSI 2024, Chennai) August 29 th , 2024	NCSI, Chennai
		Invited faculty	26th Annual Conference of ISNACC, January 24th to 26th, 2025, Trivandrum	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
		Instructor BCLS	IRCF BCLS 16 th October 2024	INFUSE 2024, AIIMS Bathinda
		Invited Faculty	Disaster Management: Preparedness and Response” Workshop, MoHFW February 2025	INER, AIIMS Bathinda
		Moderator	ISNACC-E-Education Journal Club 4 th Oct 2024,	AIIMS New Delhi (Virtual Platform)
4.	Dr.Jyoti Sharma	Organising committee member	DHR-ICMR Clinical training workshop on perioperative ultrasound, April 2024	AIIMS Bathinda
		Organising committee member	Comprehensive cardiac anaesthesia update: escalating care NZACTA Annual conference 2024	AIIMS Bathinda
		Invited Faculty	6th Society of OncoAnaesthesia and Perioperative Care conference (SOAPCCON 2024) August 2024	SOAPC Bengaluru
		Resource faculty for workshop	7th International Airway Congress of AMF, Sep 2024	Airway Management Foundation, New Delhi
		Resource faculty for workshop	12 TH Seed Workshop of Airway Management Foundation April 2024	GMC, Chandigarh
		Resource faculty for workshop	Neonatal Airway Workshop Sep 2024	Neonatal Airway Society, Dr. RML Hospital, New Delhi



		Invited Faculty	15th National Airway Conference of All India Difficult Airway Association (AIDAA) September 2024	AIIMS Mangalagiri
		Invited Faculty	17 th Annual National Conference of Association of Obstetric Anaesthesiologists India, September 2024	AOA Kolhapur
		Invited Faculty	APPEC 2024, (Virtual PG Assembly), October 2024	Dr RML Hospital, New Delhi
		Instructor BCLS	IRCF BCLS 16 th October 2024	INFUSE 2024, AIIMS Bathinda
		Invited Faculty	World AMR Awareness Week, November 2024	AIIMS Bathinda
		Invited Faculty	TMC National Conference on The Difficult Airway” (TMC-DAC 2024) December 2024	TMC, Mumbai
		Chairperson	43 rd NWZ AOICON 2024	AIIMS Bathinda
		Invited Faculty	Disaster Management: Preparedness and Response” Workshop, MoHFW February 2025	INER, AIIMS Bathinda
5.	Dr. Shashank Umesh Paliwal	Invited Faculty Speaker: “Extubation in NCC: Dealing with the dilemma”	5 th Annual Conference of the Neurocritical Care Society of India (NCSI), Chennai, August, 2024	NCSI
		Invited Faculty Speaker: Protecting the Brain in the Golden Hour	2nd Annual Conference of the Society of Trauma Anaesthesia and Critical Care (STACC), Varanasi	STACC, BHU
		Invited Faculty Speaker: “Intraoperative Osmotherapy In modern neurosurgical practice”	26th Annual Conference of Indian Society of Neuroanaesthesiology and Critical Care (ISNACC)	Sree Chitra Tirunal Institute for Medical Sciences and Technology, Trivandrum
6.	Dr. Gopal Krishan Jalwal	Paper Presentation: “Analgesic Efficacy of External Oblique Fascial Plane Block in Multimodal Regimen for Post-operative Analgesia after Upper Abdomen Surgeries: A Randomised Control Study” Faculty in regional anaesthesia workshop	ISACON, 2024, Patna	Indian Society of Anaesthesiologists (ISA) and AIIMS, Patna



		Paper Presentation: Analgesic Efficacy of External Oblique Fascial Plane Block in Multimodal Regimen for Post-- Operative Analgesia after Upper Abdominal Surgeries Chairperson, POCUS	AORA-Hyderabad, 2024	AORA India
		Lecture – Airway ultrasound Faculty in POCUS workshop Judge- paper/poster presentation	RajCriticon, Jaipur	ISCCM Jaipur Branch
		Chairperson – “Renal Replacement therapy”	CRITICARE, 2025 (Kochi)	ISCCM
		Faculty in POCUS workshop (Airway Ultrasound)	DHR-ICMR Clinical Training Workshop On Perioperative Ultrasound	AIIMS, Bathinda
		Faculty in Workshop (Pulmonary Artery catheter insertion)	Comprehensive Cardiac Anaesthesia update: Escalating care NZACTA Annual Conference, July 2024	AIIMS, Bathinda
		Paper presentation: Analgesic Efficacy of External Oblique Fascial Plane Block in Multimodal Regimen for Post- operative Analgesia after Upper Abdomen Surgeries	RSACPCON, 2025	AIIMS, Bathinda
		Paper Presentation: Airway challenges to severe hypercapnia: Anaesthetic lessons from a gastropulmonary fistula surgery	RSACPCON, 2025	AIIMS, Bathinda
		Paper Presentation (co- author): Anaesthetic management of a patient posted for RA myxoma excision (case report)	RSACPCON, 2025	AIIMS, Bathinda
		Paper Presentation (co- author): Anaesthetic management in pediatric patients of osteogenesis imperfecta (case series)	RSACPCON, 2025	AIIMS, Bathinda



		Paper Presentation (co-author): Comparative study of levobupivacaine versus levobupivacaine with ketamine in ultrasound guided adductor canal block in unilateral TKR patients	RSACPCON, 2025	AIIMS, Bathinda
		Paper Presentation (co-author): Management of local anaesthetic systemic toxicity following supraclavicular block in 18-year-old male with kyphoscoliosis (case report)	RSACPCON, 2025	AIIMS, Bathinda
		1) Organized a workshop in the department on simulation-based teaching on mechanical ventilation (17 July 2024) 2) Organised a workshop in the department on phantom-based peripheral nerve block teaching (2025)		
7	Dr.Ankita Dey	1. Invited Faculty Speaker: "Apnea Test: Tackling Confounders"	5 th Annual Conference of the Neurocritical Care Society of India (NCSI), Chennai, August,2024	NCSI
		2. Resource faculty for "Vascular Access and Hemodynamic Monitoring" workshop	16 th Annual National Conference of Indian Association of Pediatric Anaesthesiologists (IAPA), February, 2025	AFMC, Pune
8	Dr.Gegal Pruthi	1. Invited speaker: Topic of talk: "Ultrasound Physics"	RSACPCON, 2024	AIIMS, Jodhpur
		2. Invited speaker: Topic of talk: "Image optimization and knobology"	IACTA TEE workshop and CME	NH, Bangalore
		3. Invited speaker: Topic of talk: "Lecture on AED and Defibrillator"	Skill development induction programme for nursing officers (NORCET-6)	AIIMS, Bathinda
		4. Invited speaker: Topic of talk: "AED and Defibrillator"	INFUSE-An undergraduate medical conference	AIIMS, Bathinda
		5. Invited speaker: Topic of talk: "Image optimization an Knobology"	Sunday breakfast TEE session and critical care echocardiography	NH, Bangalore
		6. Invited speaker: Topic of talk: "High quality CPR"	Workshop sponsored by MoHFW, with the theme: "Disaster Management: Preparedness and Response"	AIIMS, Bathinda



9	Dr Jyoti Kanwat	<ol style="list-style-type: none"> 1. Paper presentation: “Comparative study of two doses of nebulised dexmedetomidine for premedication in paediatric patients: a prospective randomized, double-blind study” 2. Resource faculty in “Hemodynamic Monitoring” workshop 	ISACON 2024, Patna	Indian Society of Anaesthesiologists and AIIMS, Patna
		<ol style="list-style-type: none"> 1. Lecture – Physiological difficult airway 2. Resource Faculty in Airway workshop 3. Judge- paper/poster presentation 	Rajcriticon, 2024	ISCCM city branch, Jaipur
		Resource Faculty in POCUS workshop	DHR-ICMR Clinical Training Workshop on Perioperative Ultrasound	AIIMS, Bathinda
		Resource faculty in workshop	Comprehensive cardiac Anaesthesia update: Escalating care NZACTA Annual Conference July 2024	AIIMS, Bathinda
		Faculty Lecture on shock and pain management	Workshop on Development of Nursing Services	AIIMS, Bathinda
		Paper Presentation (as co-author): Airway challenges to severe hypercapnia: Anaesthetic lessons from a gastropulmonary fistula surgery (case report)	RSACPCON 2025	AIIMS, Bathinda
		Paper presentation (as co-author): Anaesthetic management of a patient posted for RA myxoma excision (case report)	RSACPCON 2025	AIIMS, Bathinda
		Paper presentation (as co-author): Anaesthetic management in pediatric patients of osteogenesis imperfecta (case series)	RSACPCON 2025	AIIMS, Bathinda



		Paper presentation (as co-author): A case of Aortic Stenosis in a young female (case report)	RSACPCON 2025	AIIMS, Bathinda
10	Dr.Uma Rathi	Organising member and resource faculty for workshop	DHR-ICMR Clinical Training Workshop on Perioperative Ultrasound	AIIMS, Bathinda
		Faculty lecture	Bariatric & Metabolic Surgery Live Operative Workshop & CME Friday, 5th April, 2024	AIIMS, Bathinda
		Resource faculty for workshop	12 th Airway Seed Workshop of Airway Management Foundation (AMF)	GMCH-32, Chandigarh
		Resource faculty for workshop	Comprehensive cardiac Anaesthesia update: Escalating care NZACTA Annual Conference, July 2024	AIIMS, Bathinda
		Paper Presentation: Analgesic Efficacy of External Oblique Fascial Plane Block in Multimodal Regimen for Post-operative Analgesia after Upper Abdominal Surgeries	AORA 2024, Hyderabad	AORA
		Resource faculty for workshop	National Airway Congress, New Delhi	Airway Management Foundation
		Chairperson	43rd Annual Conference of North West Zone Association of Otolaryngologists	AIIMS, Bathinda
		Faculty lecture	Workshop sponsored by MoHFW, with the theme: “Disaster Management: Preparedness and Response”	AIIMS, Bathinda
		Organising member and local co-ordinator of “Advanced airway management” workshop	RSACPCON, 2025	AIIMS, Bathinda
11	Dr Swati Das	Resource faculty in workshop	DHR-ICMR Clinical Training Workshop on Perioperative Ultrasound	AIIMS, Bathinda



		Faculty lecture- “Pain management in the perioperative area”	SPNCON, May 2024	INER, AIIMS, Bathinda
		Resource faculty in workshop	Comprehensive cardiac Anaesthesia update: Escalating care NZACTA Annual Conference July 2024	AIIMS, Bathinda
		1. Resource faculty for workshop 2. Chairperson for session on “Trauma Nursing Course”	2nd Annual Conference of Society of Trauma Anaesthesia and Critical Care (STACC) Varanasi, 2024	BHU, Varanasi
		Paper Presentation: The revolutionary role of ultrasound in anaesthetic management of Apert syndrome (case report)	RSACPCON 2025	AIIMS, Bathinda
12	Dr Mohd Luqman	BB Mishra Young Anesthesiologist Award Paper presentation	ISACON 2024, Patna	ISA and AIIMS, Patna
		Resource faculty for workshop	Comprehensive cardiac Anaesthesia update: Escalating care NZACTA Annual Conference July 2024	AIIMS, Bathinda
		Faculty lecture - Steroids in ARDS- “Controversies vs Consensus”	CME- Recent advances in Anaesthesia 2024	JNMCH, AMU
		Faculty lecture - Awareness of cancer in Indian females	Empower her health 2024	Indian Pharmacy Graduate Association
		Chairperson – Mechanical ventilation	Criticare 2025, Kochi	ISCCM City Branch, Kochi
		1.Advanced haemodynamic monitoring workshop local co-ordinator and organising member 2. Quizmaster	RSACPCON 2025	AIIMS, Bathinda
		Paper presentation- “Mid-term outcomes of heart transplant recipients- A Retrospective study in an Indian tertiary care centre”	RSACPCON 2025	AIIMS, Bathinda
		Poster presentation- “Preparing for pregnancy post-heart transplant” (case report)	RSACPCON 2025	AIIMS, Bathinda



		Poster presentation – “Patient blood management – need of time” (RSACP One minute challenge)	RSACPCON 2025	AIIMS, Bathinda
		BCBR	NPTEL online certification	MoE, Govt of India
		Health Research Fundamentals	NPTEL online certification	MoE, Govt of India
		1. Visited AIIMS, New Delhi, for short-term observership for the Renal transplant programme 2. Anaesthesia Clinical grand rounds- presented a case of pheochromocytoma 3. Mentor to an African anaesthesiologist on the platform of WFSA (World Federation of Society of Anaesthesiologists)		

V. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1	Dr Mayank Gupta	First Prize in Poster Presentation at the 3 rd Cochrane India Conclave conducted at All India Institute of Medical Sciences, Rishikesh	3 rd Cochrane India Conclave	All India Institute of Medical Sciences, Rishikesh
2	Dr.Jyoti Kanwat	Pushpa Kant Award	RSACPCON-2025	AIIMS Bathinda
3	Dr.Mohd Luqman	Best E poster Award (Case report/Case series)	RSACPCON-2025	AIIMS, Bathinda
A		RSACP best paper award (Category- Faculty)	RSACPCON 2025	AIIMS, Bathinda
B		DM Cardiac surgical intensive care	49th convocation	AIIMS, New Delhi
C		BLS/ACLS Provider Course (endorsed by AHA)		Fortis Hospital, Mohali
D		Secretary (Punjab & Haryana)	ECMO India foundation	ECMO society of India

VI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Mayank Gupta	Development and Implementation of a comprehensive coordinated community based palliative care model for cancer patients	Indian Council of Medical Research Extramural	Ongoing	Rs. 21,43,007/- (Second year grant)



2	Dr Mayank Gupta	Development and implementation of Management and Evaluation Software for Research Initiatives and Trials (MERIT): A Participatory Co-design Approach	All India Institute of Medical Sciences, Bathinda Intramural	Ongoing	Rs 4,84,900
3	Dr Gegal Pruthi	Efficacy of antimicrobial-coated central venous catheters versus standard central venous catheters in preventing central-line associated blood-stream infections in postoperative off-pump coronary artery bypass grafting patients: a randomised controlled study	Intramural	-	Rs 4,95,000
Projects submitted					
1	Dr Shashank Umesh Paliwal (As a collaborator to this multicentric study)	Practice of Fluid Therapy in Critically Ill Invasively Ventilated Patients (PRoFLUID)—an international multicenter observational cohort study	Amsterdam University Medical Centers location 'AMC' Meibergdreef 9 1105 AZ Amsterdam The Netherlands	Ongoing	

VII. Papers and Books/chapters published by the department:

Name of Faculty	I-10 index	H-index
1. Dr Anju Grewal	29	22
2. Dr Mayank Gupta	14	11
3. Dr Navneh Samagh	6	7
4. Dr Jyoti Sharma	7	5
5. Dr Shashank Umesh Paliwal	0	3
6. Dr Gopal Krishan Jalwal	3	3
7. Dr Jyoti Kanwat	1	2
8. Dr Gegal Pruthi	2	4
9. Dr Ankita Dey	2	4
10. Dr Uma Rathi	0	0
11. Dr Swati Das	0	1
12. Dr Mohd Luqman	0	0

VIII. List of publications:



1. **Pruthi G, Dey A, Jalwal GK, Verma D, Grewal A.** *Inability to Ventilate after Bronchial Blocker Placement: There's More to it Than Meets the Eye.* *Annals of Cardiac Anaesthesia* 27(3): p 295-296, Jul–Sep 2024. | DOI: 10.4103/aca.aca_60_24
2. Jain, Kajal; Bhatia, Nidhi; Parikh, Ketan¹; Singla, Karan; Dhir, Ankita²; Gupta, Sunanda³; **Grewal, Anju⁴**; Trikha, Anjan⁵. *A Cross-Sectional Study of Labor Analgesia Practices Across India.* *Journal of Obstetric Anaesthesia and Critical Care* 14(2): p 138-145, Jul–Dec 2024. | DOI: 10.4103/JOACC.JOACC_51_23
3. Gupta S, **Grewal A**, Jain K. *Obstetric anaesthesiology: manpower and service provision issues in India.* *Int J Obstet Anesth.* 2024;57: 103928. doi: 10.1016/j.ijoa.2023.103928
4. Saroye N, Kaur G, Singh U, **Grewal A**, Khanna A, Nayyar R. *Evaluation of efficacy of two bag-mask ventilation techniques by novice airway providers: Two-handed CE versus dominant-hand CE-non-dominant-hand thenar eminence techniques - A randomised controlled trial.* *Indian J Anaesth.* 2024;68(11): 1010-1015. doi: 10.4103/ija.ija_387_23
5. Singh, Rupali; Jain, Richa; Singh, M. Rupinder; **Grewal, Anju**; Singh, Gaurav. *Anterior approach for sciatic nerve localization: A novel observational pilot study utilizing sonoanatomical landmarks.* *The Indian Anaesthetists' Forum* 25(1): p 17-21, Jan–Jun 2024. | DOI: 10.4103/TheIAForum.TheIAForum_118_23
6. Mayank Gupta, Ankita Kankaria, Liya E. Joshy, Sandeep Singh, Bhajan Lal, Subhash Choudhary, Sapna Marcus, **Anju Grewal**, Laiya Devi Goyal & Rakesh Kakkar. *Community-based palliative care needs and barriers to access among cancer patients in rural north India: a Participatory action research* [published correction appears in *BMC Palliat Care.* 2024 Nov 7;23(1): 258. doi: 10.1186/s12904-024-01591-4]. *BMC Palliat Care.* 2024;23(1): 240. Published 2024 Oct 9. doi: 10.1186/s12904-024-01572-7
7. **Jyoti Sharma**, Ruhi Sharma, Ankita Dey, **Anju Grewal**. *A lidocaine jelly plug as a rare cause of blockage of the endotracheal tube: A case report, JCA Advances (2024), <https://doi.org/10.1016/j.jcadva.2024.100038>*
8. **Dey A, Grewal A**, Patlan M. *Anaesthetic management of a child with suspected Opitz-Kaveggia syndrome.* *Indian J Anaesth.* 2024;68(10): 924-925. doi: 10.4103/ija.ija_548_24
9. **Pruthi G, Sharma J**, Singla M, **Grewal A**. *An unidentifiably severed LMA supreme: An unanticipated critical incident.* *J Anaesthesiol Clin Pharmacol.* 2024;40(3): 544-545. doi: 10.4103/joacp.joacp_89_23
10. Sharma A, Singh U, Kaur G, **Grewal A**, Maingi S, Tidy S. *Role of preoperative carbohydrate loading for prevention of perioperative ketoacidosis in elective cesarean delivery.* *J Anaesthesiol Clin Pharmacol.* 2024;40(3): 439-444. doi: 10.4103/joacp.joacp_172_23
11. Singh G, Luthra N, Jain R, **Grewal A**, Garg S, Mann LD. *Comparison of nasal and face mask ventilation in anaesthetised obese adults: A randomised controlled study.* *Indian J Anaesth.* 2024;68(3): 267-272. doi: 10.4103/ija.ija_404_23
12. **Sharma, Jyoti; Paliwal, Shashank;** Tamilchelvan, Hemanthkumar; **Grewal, Anju.** *Reflex Lobar Atelectasis Posttracheal Intubation under General Anaesthesia in a Child.* *Airway* 7(3): p 134-135, Sep–Dec 2024. | DOI: 10.4103/arwy.arwy_33_24
13. Singh, Harsimran; Dugg, Kavita¹; Singh, Mirley Rupinder²; **Sharma, Jyoti³; Grewal, Anju³.** *Comparative Evaluation of Effectiveness of Two-handed E-C Clamp Technique versus V-E Technique in Patients with Predicted Difficult Mask Ventilation.* *Airway* 7(2): p 54-63, May–Aug 2024. | DOI: 10.4103/arwy.arwy_23_24
14. **Gupta M**, Mahajan R, Marcus S, Goel A, **Grewal A.** *Tapping corporate social responsibility to develop comprehensive palliative care services in India: a retrospective review of services.* *Oral Presentation. Indian J Palliat Care.* 2025;31: 91- 118. doi: 10.25259/IJPC_117_2025
15. **Gupta M**, Joshi U, Rao SR, Longo M, Salins N. *Views and attitudes of healthcare professionals on do-not-attempt-cardiopulmonary-resuscitation in low-and-lower-middle-income countries: a systematic review.* *BMC Palliat Care.* 2025 Apr 2;24(1): 91. doi: 10.1186/s12904-025-01676-8.



16. Bhattacharjee S, Mothsara C, Shafiq N, Panda PK, Rohilla R, Kaore SN, Kumar D, Gupta S, Singh P, Trivedi N, Khadanga S, Murali N, Kakkar AK, Kumari D, Chaudhary M, Malhotra S, Kaore N, Sadasivam B, Arora P, Dhaliwal N, Biswal M, Bhalla A, Suri V, Agarwal R, Prasad A, Dhamija P, **Gupta M**, Verma M, Patel T, Rukadikar A, Kumar K, Bankar M, Meena M, Islahi S, Bohra GK, Meena DS, Naik D, Pathak J; ASPIRE II study group (SASPI). *Antimicrobial prescription patterns in tertiary care centres in India: a multicentric point prevalence survey*. *EClinicalMedicine*. 2025 Mar 28;82: 103175. doi: 10.1016/j.eclinm.2025.103175.
17. Rohilla R, **Gupta M**, Anish TS, Cherian JJ, Singh MP, Kakkar AK, Mukherjee A, Mittal N, Kaushal S, Vijay D, Kaushik R, Naeem SS, Charan J; IMPRESS ('Impact of Multi-Pronged intervention on REducing Surgical Site Infection') Study Group. *Multipronged interventions to reduce surgical site infections: A multicenter implementation research protocol*. *PLoS One*. 2025 Mar 27;20(3): e0319645. doi: 10.1371/journal.pone.0319645.
18. Rani B, **Gupta M**, Ganesh V, Sharma R, Bhatia A, Ghai B. *Efficacy of mobile health interventions in the conservative management of chronic low back pain in low- and middle-income countries: a systematic review, meta-analysis, and trial sequential analysis*. *Pain Rep*. 2025 Feb 13;10(2): e1242. doi: 10.1097/PR9.0000000000001242.
19. Atreya S, Butola S, Bhatnagar S, Kumar D, Muckaden M, Kuraikose J, Jeba J, **Gupta M**, Palat G, Sanghai P, Mathews L, Kumar G, Joad A, Giri P, Kadri A. *Integration of Palliative Care into Primary Care: A Collaborative Effort Between the Indian Association of Palliative Care and the Indian Association of Preventive and Social Medicine*. *Indian J Community Med*. 2024 Dec;49(Suppl 2): S234-S239. doi: 10.4103/ijcm.ijcm_858_24.
20. **Gupta M**, Pruthi G, Saini V, Sharma J. *Let awake transorbital fiberoptic intubation solve the triple trouble*. *J Anaesthesiol Clin Pharmacol*. 2024 Oct-Dec;40(4): 707-708. doi: 10.4103/joacp.joacp_16_23.
21. **Gupta M**, Gupta P, Devi P, Utkarsh, Butola D, Butola S. *Patients' experiences of mechanical ventilation in intensive care units in low- and lower-middle-income countries: protocol of a systematic review*. *Syst Rev*. 2024 Aug 12;13(1): 217. doi: 10.1186/s13643-024-02630-0
22. **Samagh N, Sharma J, Paliwal S, Grewal A**. *Mystery of the missing epidural tip! Was it really missing?* *Journal of Anaesthesiology Clinical Pharmacology*. 2024 Oct 1;40(4): 727-8.
23. Kochhar S, **Samagh N***, **Sharma J**, Kaur A, Verma M. *Knowledge and Skill Retention in First-Year MBBS Students After Basic Life Support Training: A One-Year Longitudinal Study*. *BMC Med Educ*. 2024 Sep 5;24(1): 971. doi: 10.1186/s12909-024-05922-0. PMID: 39238013; PMCID: PMC11378406.
24. Veparala PR, **Samagh N***, Jangra K, Jabbal HS. *Left head rotation (LeHer), an innovative approach for intubation in patients with missing and loose teeth*. *BMJ Case Rep*. 2024 Apr 4;17(4): e258012. doi: 10.1136/bcr-2023-258012. PMID: 38575332; PMCID: PMC11002426.
25. **Sharma J**, Murmu S, **Samagh N**, **Grewal A**. *Management of an Epidural Catheter Rent: An Anesthesiologist's Dilemma*. *Indian Journal of Pain*. 2024 Sep 1;38(Supplement Issue): S53-4.
26. **Pruthi G, Samagh N***, Kaur J, **Grewal A**. *Navigating the perioperative maze: Challenges in neurosurgical patients with pacemakers*. *The Indian Anaesthetists' Forum* 25(1): p 55-57, Jan–Jun 2024. | DOI: 10.4103/TheIAForum.TheIAForum_3_24
27. **Samagh N**, Utkarsh, Sharma V, **Grewal A**. *Anesthesia management of a patient with multiple facial hemangiomas: Sometimes less is more!* *J Anaesthesiol Clin Pharmacol*. 2024;40(4): 711-712. doi: 10.4103/joacp.joacp_104_23
28. Singh N, **Samagh N***, **Paliwal S, Sharma J**. *Use of a Novel Video Laryngoscope (TASCOPE) for Endotracheal Intubation in a Patient with Restricted Mouth Opening: A Case Report*. *Airway*. 2024 May 1;7(2): 93-4.
29. **Dey A**, Tamilchelvan H, **Samagh N**. *Diabetic Ketoacidosis Masquerading as Ventricular Bigeminy in an Adult Patient Scheduled for Emergency Lumbosacral Laminectomy for Cauda Equina Syndrome*. *J Neuroanaesth Crit Care*. 2024 Sep 10;11: 142–3.



30. Kaur B, **Samagh N***, Narang A, **Paliwal S**. *Anesthetic Management of a Neurosurgical Patient with Amyotrophic Lateral Sclerosis: A Case Report*. Cureus. 2024 Jul 13;16(7): e64492.
31. **Samagh N, Dey A**, Sharma R, Sharma R. *Septated internal jugular vein: A case report*. JCA Advances. 2024 Dec 1;1(3-4): 100051.
32. **Samagh N, Dey A, Paliwal S**, Patlan M. *Successful perioperative management of a pediatric patient scheduled for the clipping of a recurrent intracranial aneurysm: A case report*. JCA Advances. 2024 Dec 1;1(3-4): 100048.
33. **Samagh N, Paliwal S, Grewal A**, Shergill J. *Anaesthesia management of a patient with a large sinus venosus atrial septal defect for laparoscopic surgery-A case report*. JCA Advances. 2024 Dec 1;1(3-4): 100043.
34. Abdulkader RS, Ponnaiah M, Bhatnagar T, S D, Rozario AGA, K G, Mohan M, E M, Saravanakumar D, Moorthy A, Tyagi AK, Parmar BD, Devaraja K, Medikeri G, Ojah J, Srivastava K, K K, Das N, B N, Sharma P, Kumar Parida P, Kumar Saravanam P, Kulkarni P, S P, Patil S P, Kumar Bagla R, D R, S Melkundi R, S Satpute S, Narayanan S, Jahagirdar S, Dube S, Kumar Panigrahi S, Babu D S, Saini V, Singh Saxena R, Srivastava A, Chandra Baishya A, Garg A, Kumar Mishra A, Jyoti Talukdar A, Kankaria A, Karat A, Sundaresh Kumar A, Chug A, Vankundre A, Ramaswamy B, Mb B, R Jadav B, Dhiwakar M, Ghate G, Shah HV, Saha I, Sivapuram K, J Joshi K, Singh M, Chand Bairwa M, K D, K K, E M, **Samagh N**, Dinakaran N, Gupta N, Gupta N, M Nagarkar N, Solanki N, Kumar Panda P, Bachalli P, Shanbag R, Patil R, Kumar A R, Narayan Patil R, Thookkanaickenpalayam Vijayaraghavan R, Hanumantappa R, A R, Mandal SK, Kishve SP, Varghese Thomas S, Sarkar S, Thakur S, Patil S, Lakshmanan S, D Rao S, V S, Nayak T, Dixit UR, B U, Backiavathy V, Shenoy V, Hallur VK, Bhatnagar A, Murhekar MV. *Baseline findings of a multicentric ambispective cohort study (2021-2022) among hospitalised mucormycosis patients in India*. Mycology. 2024 Jan 17;15(1): 70-84. doi: 10.1080/21501203.2023.2271928. PMID: 38558844; PMCID: PMC10976993.
35. Patra A, Kaur H, Chaudhary P, Asghar A, **Samagh N**, Walocha JA, Rutowicz B, Brzegowy-Solewska K, Lusina D, Skrzat J. *Morphological and morphometric analysis of the Sacral Hiatus using lumbosacral spine CT scans: clinical relevance in Caudal Epidural Analgesia*. Folia Morphol (Warsz). 2024 Aug 28. doi: 10.5603/fm.101363. Epub ahead of print. PMID: 39192699.
36. Garg B, **Samagh N***, Taj Y, **Grewal A**. *Critical Care Management of a Postoperative Case of Lower Segment Caesarean Section with Clot-In-Transit*. Journal of Obstetric Anaesthesia and Critical Care. 2025 Jan 1;15(1): 66-8.
37. **Sharma J, Paliwal S**, Singh N, **Samagh N***. *Anaesthesia Management of Renal Angiomyolipoma Excision in pregnancy*. Journal of Obstetric Anaesthesia and Critical Care. 2025 Jan 1;15(1): 59-61.
38. **Samagh N, Sah S, Pruthi G, Sharma J**. *Anesthetic Management of a Patient with Dilated Cardiomyopathy Undergoing Cerebral Aneurysm Clipping Surgery: A Case Report*. Journal of Neuroanaesthesiology and Critical Care. 2025 Jan 20.
39. **Sharma J**, Sharma R, Mir MA, **Grewal A**. *Awake fiberoptic intubation in a pediatric patient with Tessier's cleft: Navigating the challenges*. Saudi J Anaesth. 2025 Jan-Mar;19(1): 137-139. doi: 10.4103/sja.sja_486_24. Epub 2025 Jan 1. PMID: 39958291; PMCID: PMC11829683.
40. Solanki SL, **Sharma J**. *Dexmedetomidine in colon cancer surgery: Evaluating its impact and efficacy*. World J Gastrointest Surg. 2024 Dec 27;16(12): 3663-3665. doi: 10.4240/wjgs.v16.i12.3663. PMID: 39734443; PMCID: PMC11650235.
41. Kumar P, Singh A, **Sharma J**, Parshad S, Johar S, Kaur K. *Assessment of ultrasound-guided erector spinae plane block for early post-operative analgesia for modified radical mastectomy: a prospective, randomized, controlled study*. Med Gas Res. 2024 Dec 1;14(4): 201-205. doi: 10.4103/mgr.mgr_74_20. Epub 2024 Mar 28. PMID: 39073328; PMCID: PMC11257189.
42. Jain M, Tantia K, Johar S, Singh AK, Bansal T, **Sharma J**. *Effect of operation table height on ease of mask ventilation, laryngeal view, and endotracheal intubation success*. J Anaesthesiol



- Clin Pharmacol. 2024 Jul-Sep;40(3): 416-421. doi: 10.4103/joacp.joacp_443_22. Epub 2023 Oct 18. PMID: 39391644; PMCID: PMC11463936.
43. S Jolly, **S Paliwal**, A Gadepalli, S Chaudhary, H Bhagat, R Avitsian. *Designing enhanced recovery after surgery protocols in neurosurgery: a contemporary narrative review*. Journal of Neurosurgical Anesthesiology. 2024 July; 36 (3), 201-210
 44. S Jolly, **S Paliwal**, A Gadepalli, S Chaudhary, H Bhagat, R Avitsian. *Reply to Comment to the Editor "More Investigations Needed for Enhanced Recovery After Anesthesia for Craniotomy"*. Journal of Neurosurgical Anesthesiology. , July 2024;36(3): p 273-274
 45. **Kanwat J, Jalwal G, Rathi U**, Kaur K. *An Innovative Use of Point-of-Care Ultrasound for Identification and Management of a Rare and Uncommon Perioperative Complication: Periorbital Emphysema Following Sinus Surgery in a Pediatric Patient*. Cureus. 2024 Apr;16(4).
 46. Goyal S, Garg P, **Kanwat J**, Kaur N. *Vaginal leiomyoma in a perimenopausal woman: A rare case report and review of the literature*. Journal of Family Medicine and Primary Care. 2024 May 1;13(5): 2161-3.
 47. **Dey A**, Bidkar PU, Swaminathan S, M MK, Joy JJ, Balasubramanian M, Bhimsaria S. *Comparison of two techniques of goal directed fluid therapy in elective neurosurgical patients - a randomized controlled study*. Br J Neurosurg. 2025 Feb;39(1): 23-31. doi: 10.1080/02688697.2023.2173722. Epub 2023 Feb 3. PMID: 36734344.
 48. **Pruthi G, Dey A**, Tamilchelvan H, Kapoor S, Jain K, Kasodekar SV, **Grewal A**. *Drug errors in obstetric anesthesia: A narrative review*. Journal of Obstetric Anaesthesia and Critical Care. 2024 Jul 1;14(2): 106-14.
 49. Chandar Chinnarasan V, Bidkar PU, Swaminathan S, Mani M, Vairappan B, Chatterjee P, Joy JJ, **Dey A**, Ramadurai R, Gunasekaran A. *Comparison of dexmedetomidine versus fentanyl-based total intravenous anesthesia technique on the requirement of propofol, brain relaxation, intracranial pressure, neuronal injury, and hemodynamic parameters in patients with acute traumatic subdural hematoma undergoing emergency craniotomy: A randomized controlled trial*. Surg Neurol Int. 2024 Dec 13;15: 462. doi: 10.25259/SNI_892_2024. PMID: 39777171; PMCID: PMC11704446
 50. **Pruthi G, Dey A**, Shwaetha R, Kumar R. *Dwelling on the Utility of Transesophageal Echocardiography (TEE) in the Operating Room: Is It Time to Integrate Training in TEE into the Anesthesia Postgraduate Curriculum?* Ann Card Anaesth. 2024 Oct 1;27(4): 384-386. doi: 10.4103/aca.aca_96_24. Epub 2024 Oct 4. PMID: 39365137; PMCID: PMC11610788.
 51. **Grewal, Anju; Dey, Ankita**. *Understanding paediatric anaesthesia, Fourth edition*. Journal of Anaesthesiology Clinical Pharmacology 40(3): p 551, Jul–Sep 2024. | DOI: 10.4103/joacp.joacp_285_24
 52. Bidkar PU, **Dey A**, Chatterjee P, Ramadurai R, Joy JJ. *Target-controlled infusion - Past, present, and future*. J Anaesthesiol Clin Pharmacol. 2024 Jul-Sep;40(3): 371-380. doi: 10.4103/joacp.joacp_64_23. Epub 2023 Aug 16. PMID: 39391641; PMCID: PMC11463930.
 53. Salih MSM, Sethuramachandran A, Bidkar PU, **Dey A**, R G, Gunasekaran A, Chandar V. *Comparison of Optic Nerve Sheath Diameter (ONSD) Measurements Obtained from USG Before and After Placement of Ventriculoperitoneal Shunt in Obstructive Hydrocephalus as a Surrogate Marker for Adequacy of Shunt Function: A Prospective Observational Study*. Asian J Neurosurg. 2024 Jun 3;19(2): 242-249. doi: 10.1055/s-0044-1786701. PMID: 38974437; PMCID: PMC11226299.
 54. Sakkanan NV, Swaminathan S, Bidkar PU, Vairappan B, Sathiaprabhu A, **Dey A**. *Comparison of the efficacy of 0.9% normal saline with balanced crystalloid (Plasmalyte) in maintaining the metabolic profile in head injury patients undergoing evacuation of acute subdural haematoma - A randomised controlled trial*. Indian J Anaesth. 2024 Jun;68(6): 553-559. doi: 10.4103/ija.ija_1160_23. Epub 2024 May 8. PMID: 38903257; PMCID: PMC11186531.



55. **Paliwal S, Samagh N, Dey A, Singh N.** *Managing a leaky epidural catheter: Thinking out of the box.* J Anaesthesiol Clin Pharmacol. 2024 Apr-Jun;40(2): 360-362. doi: 10.4103/joacp.joacp_317_22. Epub 2023 Aug 16. PMID: 38919422; PMCID: PMC11196060.
56. **Grewal A, Pruthi G, Tamilchelvan H** | *Are We Depleted of Research Questions in Regional Anaesthesia?* | International Journal of Regional Anaesthesia | January-June 2024; 5(1): 03-06 | DOI: <https://doi.org/10.13107/ijra.2024.v05.i01.83>
57. Sood D, Singh P, **Pruthi G**, Kaur G, Goyal N, Taneja A, **Grewal A.** *Comparative Efficacy of Intermittent Bolus Doses of Phenylephrine and Norepinephrine in Preventing Maternal Bradycardia during Cesarean Section under Spinal Anesthesia: A Randomized Controlled Trial.* Journal of Obstetric Anaesthesia and Critical Care. 2024 Jul 1;14(2): 146-52.

IX. List of books/chapters published:

1. Sodhi, K., **Samagh, N.**, Phillips, A., Kumar, M. (2024). Percutaneous Tracheostomy. In: Prabhakar, H., Singhal, V., Zirpe, K.G., Sapra, H. (eds) Principles and Practice of Neurocritical Care. Springer, Singapore. https://doi.org/10.1007/978-981-99-8059-8_65
2. Kumar, P., Manohar, M., Kaur, K., **Sharma, J.** (2024). Cerebral Resuscitation in Neurocritical Care. In: Prabhakar, H., Singhal, V., Zirpe, K.G., Sapra, H. (eds) Principles and Practice of Neurocritical Care. Springer, Singapore. https://doi.org/10.1007/978-981-99-8059-8_40
3. **Sharma J**, Maurya RG. Noninvasive Mechanical Ventilation. In: Siddiqui SS (eds) Critical Care Perspectives: From Theory to Practice. 1st ed. New Delhi. Jaypee Brothers.2024.p 105-110.
4. **Sharma J**, Gupta J, Sethi S. Status epilepticus. In: Rungta N, Ray B (eds) Multiorgan failure: Prevention and management. 1st ed. Saurabh Medical Publishers 2024 P 307-312 ISBN 978-81-973044-6-0
5. **Paliwal, S., Grewal, A.** (2024). Local Anesthetics and Local Anesthetic Systemic Toxicity (LAST) in Relation to Obstetric Anesthesia. In: Sinha, A.C., Pasca, I.F. (eds) Peripartum Care of the Pregnant Patient. Springer, Cham. 04 September 2024;243-250
6. **Luqman Mohd.** Echocardiography practical pocket guide for an intensivist/Emergency medicine. 1st ed. Puneet Khanna: Gaurav Mittal; 2025.
7. **Grewal A, Pruthi G**, Kumar H. Simulation and Educational Principles in Obstetric Anesthesiology. In Peripartum Care of the Pregnant Patient: A Question-and-Answer Review for Anesthesiologists and Obstetricians 2024 Sep 4 (pp. 395-402). Cham: Springer Nature Switzerland.

X. Key Highlights and Departmental Activities:

Sl no.	Name of the conference/CME	Date
1	DHR-ICMR Clinical Training workshop on perioperative ultrasound	April, 2024
2.	Comprehensive Cardiac Anaesthesia update: Escalating care NZACTA Annual Conference	July, 2024
3.	33 rd National and 4 th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology- RSACPCON 2025	March, 2025

XI. Thesis Supervised (MD/MS): Number: 29





Anaesthesia/01

Anaesthesia/02



Anaesthesia/03



DEPARTMENT OF ANATOMY

Name of the Department	ANATOMY
Head of the Department	PROF (DR) PRITI CHAUDHARY

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	DR PRITI CHAUDHARY	PROFESSOR & HEAD	23-8-2019
2.	DR NAVITA AGGARWAL	ADDITIONAL PROFESSOR	22-8-2019
3.	DR APURBA PATRA	ASSOCIATE PROFESSOR	17-08-2019
4.	DR ANJALI SINGAL	ASSOCIATE PROFESSOR	20-08-2019
5.	DR VANDANA TIWARI	ASSISTANT PROFESSOR	08.12.2021
6.	DR ANJU CHOUDHARY	ASSISTANT PROFESSOR	18.12.2021

II. Brief Introduction of the department:

Academics and teaching:

The educational efforts are directed towards undergraduate & postgraduate teaching in gross anatomy, microscopic anatomy, embryology and neuroanatomy. Also started teaching of postgraduate students of other/clinical departments as a part of Vertical Integration to strengthen their basics and hands on workshops to enhance their skills. We added Anatomage (Virtual Dissection Table), 3-D Atlas along with other innovative teaching learning methods for the better understanding of the subject. We established a well-equipped dissection hall, microscopy laboratory, Anatomage lab, Foetal Research lab, Museum and Research laboratory.

Vision:

- To be an active partner in the institute's effort to surmount in teaching and research and to impart a strong conceptual and relevant factual knowledge of Anatomy to undergraduate and postgraduate students.
- To impart Clinical Skills to the students by various innovative teaching-learning methods. Steps have been taken in this regard and planning of introducing the Living Anatomy in the Curriculum has been initiated.

Expansion planned for the future:

- a. **Clinical Services:** The department plans to conduct more hands on workshops in collaboration with various clinical departments. In the spirit of the same, five such hands-on workshops had already been conducted with E.N.T., Orthopaedics & Anaesthesia departments during above said period.
- b. **Research:** The department plans to establish an electron microscopy laboratory; to develop various embalming techniques and research in relevant surgical anatomy as required and liked by clinicians for novel techniques and to start Living Anatomy Lab.

III. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference: 19

Number of Papers presented in International Conference: 1



Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1.	Dr Apurba Patra (PI), Dr Priti Chaudhary (CO-PI)	<i>Morphological and morphometric analysis of the Sacral Hiatus using lumbosacral spine CT scans: clinical relevance in Caudal Epidural Analgesia</i>	12 th Interational Conference of Society of Clinical Anatomists (SOCA-2024),	DY Patil University, Pune 2 nd to 4 th April 2024
National conferences				
1.	Dr Priti Chaudhary	Participated as Panelist in panel discussion on the topic " <i>Incorporating Generative AI tools into Anatomy Curriculum: Challenges Ahead</i> "	6th CME & Conference of North Chapter of Anatomists Society	Department of Anatomy, AIIMS Bilaspur on 28th September 2024.
2.	Dr Priti Chaudhary	Delivered a guest lecture on " <i>Pivotal Role of Anatomy Department in Promoting & Facilitating Eye Donation</i> "	CME on "Eye Banking Updates"	Department of Ophthalmology, AIIMS Bathinda on 30-11-2024.
3.	Dr Priti Chaudhary	Participated as Panelist in panel discussion on the topic " <i>Anatomy education: Balancing tradition and innovations</i> "	NATCON-71 (National Conference of Anatomical society of India)	Department of Anatomy, Sri Guru Ram Das Institute of Medical Sciences & Research, Sri Amritsar on 24th November, 2024.
4.	Dr Priti Chaudhary	As Resource faculty conducted Hands on session' along with description on " <i>Formulating Research question, Hypothesis & Objectives</i> "	Research Methodology workshop	Research cell, AIIMS Bathinda in November 2024 (4-11-2024).
5.	Dr Priti Chaudhary	Delivered a lecture on " <i>Visualization Technologies in Teaching & Research: Virtual Cadaver, An Emerging Tool</i> "	Academic program	Dean office, AIIMS Bathinda on 28-11-2024.
6.	Dr Navita Aggarwal	<i>Morphological Analysis and Clinical Significance of the Nutrient Foramen in Upper Limb Bones</i>	APRIL 2024 SOCA	DPU Pune
7.	Dr Apurba Patra	<i>Newly proposed classification of plantaris tendon insertion based on branching patterns: a morphological study</i>	71st National Conference of Anatomical Society of India (21st to 24th November, 2024)	Sri Guru Ram Das Institute of Medical Sciences & Research.
8.	Dr Apurba Patra	<i>Reliability of Sedillot's triangle as a potential anatomical landmark for</i>	6 th National Conference of North Chapter of	AIIMS, Bilaspur, India held from 28 th Sept 2024.



		<i>central venous catheter insertion: insights from cadaveric study</i>	Anatomists Society (NCAS-2024)	
9.	Dr Apurba Patra	Delivered a guest lecture on the topic “ <i>endoscopic anatomy of nose during fess</i> ” during 43 rd north west zonal conference of association of otolaryngologists of india	during 43 rd north west zonal conference of association of otolaryngologists of india	Deptt of ENT, AIIMS, Bathinda
10.	Dr Anjali Singal	<i>Let’s talk about morphometry of fenestra cochlea and its surgical implications</i>	1 st Otology cum temporal bone dissection workshop, April 2024	AIIMS Bathinda
11.	Dr Anjali Singal	<i>High-Origin and Superficial Course of the Deep Femoral Artery with Bilateral Absence of the Common Femoral Artery: A Rare Case Report</i>	6 th CME and conference of North Chapter of Anatomists Society	AIIMS Bilaspur
12.	Dr Anjali Singal	<i>Double infra-renal Inferior vena cava, right renal artery; right common iliac vein absence, “All in One”: A Rare case report</i>	71 st National conference of anatomical society of India	Sri Guru Ram Das University of Health Sciences, Amritsar
13.	Dr Anjali Singal	<i>Evaluating cochlear morphometry for optimal electrode size selection in cochlear implantation</i>	43 rd North West Zone, The Association of Otolaryngologists of India, NWZ, AOICON, Dec, 2024	AIIMS Bathinda
14.	Dr Anjali Singal	<i>Thoracic Block Vertebrae at T3-T4: A Radio Anatomic Case Analysis</i>	4 th International North Zone Symposium of Anatomy, Feb 2025	Desh Bhagat University, Punjab
15.	Dr Anjali Singal	Lecture entitled “ <i>Exploring the Temporal Bone: A closer look at tympanic Cavity</i> ”	43 rd North West Zone, The Association of Otolaryngologists of India, NWZ, AOICON, Dec, 2024	AIIMS Bathinda
16.	Dr Vandana Tiwari	<i>Exploring the intricacies of gestational diabetes on umbilical cord morphology: a comparative analysis</i>	Oral presentation SOCACON 24	DY Patil Medical College Pune
17.	Dr Vandana Tiwari	<i>Anatomical correlates of sciatic nerve compression in the pelvis Focus on piriformis syndrome</i>	Oral presentation NATCON 71	SGRD university of health sciences Amritsar



18.	Dr Vandana Tiwari	<i>Multifaceted analysis of sexual dimorphism in hip bones: A descriptive and Quantitative analysis of indian population</i>	Oral presentation UPASICON 30	IMS BHU Varanasi
19.	Dr Anju choudhary	<i>Anatomic Variation of the hepatic artery and its importance in preoperative planning. (12 CME hours accredited)</i>	NATCON 2024 (21-24 NOVEMBER 2024)	SGRD Amritsar

IV. Faculty achievements –awards, honours etc

Sl No	Name of faculty	Award/honour	Event	Organised by
1.	Dr.Priti Chaudhary	Re-elected and continuing as <i>international member of Anatomical Society of U.K.</i>		Anatomical Society of U.K.
2.	Dr.Priti Chaudhary	Got selected as <i>Editorial Board member</i> of BMC Medical Education Journal.		BMC Medical Education Journal (Springer Nature)
3.	Dr.Priti Chaudhary	Continued working as <i>Editorial board member As Academic Editor</i>		Journal PLOS ONE (PUBMED indexed)
4.	Dr.Priti Chaudhary	Continued working as <i>Editorial board member (NJSOMA).</i>		Journal of Society of Medical Anatomists
5.	Dr.Priti Chaudhary	Got the <i>acknowledgement</i> in recognition of an outstanding contribution to the quality of the journal		Editor-in-chief of NJCA Journal
6.	Dr.Priti Chaudhary	Got <i>certificate of Acknowledgement</i> for contribution in <i>Human Anatomy book by B.D. Chaurasia</i> for first Prof MBBS students in September 2024.		CBS Publisher & Distributors
7.	Dr.Apurba Patra	FIMSA		International Medical Sciences Academy
8.	Dr.Apurba Patra	Got the <i>acknowledgement</i> in recognition of an outstanding contribution to the quality of the journal		Editor-in-chief of NJCA Journal
9.	Dr.Anjali Singal	<i>Dr Ramesh memorial best junior consultant paper award</i>	43 rd North West Zone, The Association of Otolaryngologists of India, NWZ, AOICON, Dec, 2024	AIIMS Bathinda
10.	Dr.Anjali Singal	<i>Award of appreciation for best e-poster presentation</i>	1 st Otolaryngology workshop cum temporal bone	AIIMS Bathinda



			dissection course, April, 2024	
11.	Dr Vandana Tiwari	Membership Post-DNB MNAMS	64th NAMS Annual Scientific Conference and Convocation	All India Institute of Medical Sciences, Jodhpur, Rajasthan.

V. Research activities undertaken in the department:

Number of Project Sanctioned with the Name of Funding Agency: 10

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1.	PI: Dr. Monika Kakkar Co-PI: Dr. Priti Chaudhary Professor	<i>In vitro study, employing cadaver blood vessels, on the role of calcification in determining the patency of arterial and venous conduits routinely employed for CABG.</i>	SERB (Extramural)	Ongoing	Rs 52,25,000/-
2	PI: Dr. Priti Chaudhary Professor	<i>Comparative Analysis of Learning Outcomes in First-Year MBBS Students: Combining Living Anatomy with Soft Embalmed Cadaver Dissection versus Cadaveric Dissection Alone- A Prospective Study with Student Perception.</i>	Intramural	Approved	2,40,000/-
3	PI: Dr. Apurba Patra Associate Professor	<i>Correlation Between Histological Alterations in the radial arterial Wall and Short- and Long-</i>	Intramural	Approved	2, 91, 000/-
		<i>Influence of Demographic and Socio-Economic Factors on Academic Performance in First-Year MBBS Students</i>	Intramural	Approved	Non funded
		<i>Association of MRI defined paraspinal muscle mass with spinal deformity in chronic low back pain patients</i>	Intramural	Approved	Non funded
4	PI: Dr. Anjali Singal Associate Professor	<i>Surgical and topographic anatomy of intrapetrous part of facial nerve and its clinical implications during various middle ear approaches</i>	Intramural	Ongoing	Non funded
		<i>Anatomical study of cervical vertebrae with special reference to uncovertebral joint</i>	Intramural	Ongoing	Non funded



		<i>Morphometric and topographic anatomy of stylomastoid foramen and its clinical implications</i>	Intramural	Ongoing	Non funded
5	Dr. Vandana Tiwari Assistant Professor	<i>Morphometric analysis of clavicle and its correlation with dependent and independent factors in Indian population: A prospective CT study</i>	Intramural	ongoing	Non funded
6	Dr Anju Choudhary Assistant Professor	<i>Relationship of acromion morphology with its lateral extension: An anatomical study.</i>	Intramural	Ongoing	Non funded

Number of Project Submitted with the name of Funding Agency*06

Projects submitted					
1.	PI: Dr. Priti Chaudhary, Professor	<i>Enhancing Medical Education Through Integration of Living Anatomy Into The First Year MBBS Curriculum: A Prospective Analytical Study</i>	Extramural ANRF	Under review	
2.	PI: Dr. Apurba Patra Associate Professor	<i>Establishing a National Repository for High-Quality Histology Slides to Support New Medical Colleges in India</i>	Extramural	Under review	18,093,76/-
		<i>AI-Driven Craniofacial Anthropometric Landmark Detection for Precision Medicine and Surgical Innovation</i>	Extramural	Under review	2,447,609/-
		<i>Comparing the efficiency of In house aligners with Conventional Fixed Appliances in Orthodontics patients</i>	Extramural	Under review	
3.	PI: Dr. Anjali Singal Associate Professor	<i>Surgical anatomy of optic nerve and its clinical implications in traumatic optic neuropathy treatment: An Observational study</i>	Applied for Intramural grant	Proposed	Below 5 lakhs
4.	Dr. Vandana Tiwari Assistant Professor	<i>Anatomical Insights into Fetal Dissection: A Comprehensive Study of fetal Development and malformation</i>	Intramural	Under review	Non funded



III. Papers and Books/chapters published by the department:

Sl. No.	List of Papers in Vancouver style	Type of paper (Original article/ review / case report/ editorial)	Impact Factor
1.	Chaudhary P, Patra A (corresponding author), Singal A, Arora KK. Assessment of the Attitude, Anxiety Episodes and Perceived Psychological Impact of the Pandemic on Medical Undergraduate Students - a Retrospective Study. <i>Maedica (Bucur)</i> . 2024 Dec;19(4): 750-755. doi: 10.26574/maedica.2024.19.4.7502024;. PMID: 39974459; PMCID: PMC11834834.	Original article	1.84
2.	Patra A, Chaudhary A, Asghar A, Chaudhary P (corresponding author). Reliability of Sedillot's triangle as a potential anatomical landmark for central venous catheter insertion: insights from cadaveric study. <i>Anat Cell Biol</i> . 2025 Mar 5. doi: 10.5115/acb.24.271. Epub ahead of print. PMID: 40037645.	Original article	1.20
3.	Arora K, Kapila R, Singh R, Chaudhary P (Corresponding author). Clinical and radiological outcome of three treatment modalities for fracture clavicle: A comparative prospective study. <i>Journal of Clinical and Scientific Research</i> . Nov, 2024; 207-215.	Original article	3.4
4.	Patra A, Kaur H, Chaudhary P, Asghar A, Samagh N, Walocha JA, Rutowicz B, Brzegowy-Solewska K, Lusina D, Skrzat J. Morphological and morphometric analysis of the Sacral Hiatus using lumbosacral spine CT scans: clinical relevance in Caudal Epidural Analgesia. <i>Folia Morphol (Warsz)</i> . 2024 Aug 28. doi: 10.5603/fm.101363. Epub ahead of print. PMID: 39192699.	Original article	1.20
5.	Patra A, Tiwari V, Chaudhary P, Asghar A, Kaur H, Trzeciak M, Paziewski M, Sychta M, Mazur M, Walocha JA. Newly proposed classification of plantaris tendon insertion based on branching patterns: a morphological study. <i>Folia Morphol (Warsz)</i> . 2025 Feb 26. doi: 10.5603/fm.103897. Epub ahead of print. PMID: 40007220.	Original article	1.20
6.	Patra A, Kaur H, Chaudhary P, Ravi KS, Asghar A, Walocha J, Iskra T, Blaszczyk M. Quantitative Analysis of Cerebral Ventricular Dimensions in the Adult Population of Northern India: A Cross-Sectional Study Using Magnetic Resonance Imaging. <i>Clin Ter</i> . 2025 Jan-Feb;176(1): 13-20. doi: 10.7417/CT.2025.5160. PMID: 39957446.	Original article	1.20
7.	Patra A, Aggarwal N, Chaudhary P, Tiwari V (Corresponding author). Reappraisal of the Variations in the Origin of the Obturator Artery With Clinical and Developmental Perspectives: A Cadaveric Analysis. <i>Cureus</i> . 2024 Sep 5;16(9): e68728. doi: 10.7759/cureus.68728. PMID: 39371812; PMCID: PMC11454843.	Original article	1.20
8.	Singal A, Choudhary A, Chaudhary P, Monga S. Bilateral absence of the common femoral artery with high-origin and superficial course of the deep femoral artery: a rare case report. <i>Surg Radiol Anat</i> Dec 2024; 46(12): 2075-2078. doi: 10.1007/s00276-024-03486-8. Epub 2024 Sep 27	Case Report	1.41



9.	Singal A, Choudhary A, Chaudhary P (2025) Variations in Coronary Arteries: A Rare Case Report. J Anat Soc India 74(1): p 73-75, Jan-Mar 2025 DOI: 10.4103/jasi.jasi_35_24	Case Report	0.4
10.	Singal A, Choudhary A, Chaudhary P. Article entitled "Eighty Percent of Success? Just Be There!" published in DGHS news-letter Swasthya Sarvopari "Reforming education with special focus on health care" issue V, Jan-March 2025		
11.	Choudhary A, Singal A, Chaudhary P. Student's perception of three-dimensional atlas interactive system beside traditional cadaveric dissection in learning human anatomy. Surg Radiol Anat.2025; 47: 50.	Original article	1.41
12.	Arora K, Kapila R, Chaudhary P. Comparative efficacy of ultrasonically guided infiltration of single shot of platelet-rich plasma and triamcinolone acetonide in adhesive capsulitis of shoulder joint - a prospective clinical study. National journal of physiology, pharmacy and pharmacology. 2024; 14(06): 1097-1103.	Original article	0.166
13.	Patra A, Asghar A, Pushpa NB, Chaudhary P, Ravi KS, Kaur H, Przybycień W, Musiał A, Walocha JA. Reappraisal of the Morphological and morphometric diversity of the psoas minor muscle with clinical and developmental insights: cadaveric analysis. Folia Morphol (Warsz). 2024;83(4): 886-892. doi: 10.5603/fm.99128. Epub 2024 Apr 15. PMID: 38619066.	Original article	1.20
14.	Kalsi P, Aggarwal N, Shukla KK, Sharma J, Goyal G, Prasad R, Sharma H. SARS-CoV-2 Associated Impact on Reproductive Health: A Global Perspective. Indian Journal of Clinical Biochemistry. 2024 Jun 21: 1-2.	Original article	
15.	Goel G, Alice K P, Negi P, Aggarwal N. Factors influencing radiation induced oral mucositis in head and neck cancer. J Cancer Res Ther. 2024; 20(5): 1564-69.	Original article	
16.	Verma N, Badyal D K, Aggarwal N, Modi J N, Sethi S. Introduction of an online mentoring program for final professional MBBS students. Int J Appl Basic Med Res. 2024;14(4): 214-19.	Original article	
17.	Asghar A, Priya A, Narayan RK, Patra A (corresponding author), Walocha J, Skrzat J. An evaluation of morphometry and dehiscence of facial canal: a systematic review and meta-analysis of observational studies. Surg Radiol Anat. 2024 Sep;46(9): 1501-1516. doi: 10.1007/s00276-024-03435-5. Epub 2024 Jul 13. PMID: 38997588.	Original article	1.40
18.	Chaudhary A, Patra A (corresponding author), Garg P. Reappraisal of anatomical diversity of lateral circumflex femoral artery with its substantial clinical applicability: cadaveric study. Anat Cell Biol. 2024 Sep 30;57(3): 346-352. doi: 10.5115/acb.24.047. Epub 2024 Jul 15. PMID: 39005044; PMCID: PMC11424569.	Original article	1.40
19.	Kaur H, Walia R, Patra A (corresponding author), Singh P, Singh K. CT coronary angiographic approach to delineate terrible triad of coronary-cameral microfistulae, myocardial bridge and hypertrophic obstructive cardiomyopathy presenting with angina: a case report. Clin Ter. 2024 Nov-Dec;175(6): 370-373. doi: 10.7417/CT.2024.5140. PMID: 39584753.	Original article	1.20



20.	Kaliappan A, Motwani R, Chandrupatla M, Patra A (corresponding author). Mullan's triangle or anteromedial triangle of the middle cranial fossa: a cadaveric study with its surgical importance. <i>Surg Radiol Anat.</i> 2024 Nov;46(11): 1761-1767. doi: 10.1007/s00276-024-03475-x. Epub 2024 Sep 3. PMID: 39225862.	Original article	1.40
21.	Kumar A, Rana SS, Gupta S, Patra A (corresponding author) . Cephalometric Analysis of Maxillary Sinus for Gender Determination Using Lateral Cephalogram: A Novel Retrospective Study in the North Indian Population. <i>Cureus.</i> 2024 Aug 2;16(8): e66030. doi: 10.7759/cureus.66030. PMID: 39221388; PMCID: PMC11366398.	Original article	1.20
22.	Bąk K, Fuksa K, Lipski M, Wajda J, Pasternak A, Patra A , Walocha JA. Thyroid ima artery (the artery of Neubauer) - how much do we know? <i>Folia Morphol (Warsz).</i> 2025;84(1): 263-266. doi: 10.5603/fm.101553. Epub 2024 Aug 13. PMID: 39136374.	Original article	1.20
23.	Singh R, Barwa J, Patra A , Peer S, Kumar A. A Medical Miracle: Surviving a Perforating Gunshot Injury to the Neck. <i>Cureus.</i> 2025 Jan 20;17(1): e77713. doi: 10.7759/cureus.77713. PMID: 39974232; PMCID: PMC11837981.		1.20
24.	Ravi KS, Basavanna PN, Viveka S, Patra A , Asghar A, Pasi R, Mahadevappa M. Revisiting the safe zone for axillary nerve concerning the deltoid intramuscular injection site: a review. <i>J Morphol Sci.</i> 2024; 41: 142-6.	Original article	0.40
25.	Patra A , Kumar A. Advancing Ethics in Medical Education: A Strategy to Prevent Medical Negligence. <i>Punjab Academy of Forensic Med and Toxicol</i> 2024;24 (1): 5-7.	Editorial	0.30
26.	Kumar A, Patra A (corresponding author) . Anatomical techniques in forensic medicine: A pathway to personal identification. <i>Punjab Academy of Forensic Med and Toxicol</i> 2024 (2024): 137-141.	Review	0.30
27.	Pushpa NB, Patra A , Ravi KS. Chalk and Board Teaching and its Integration with the Modern Educational Methods. <i>National Journal of Clinical Anatomy.</i> 2024 Oct 1;13(4): 165-7.	Editorial	0.30
28.	Singal A , Goyal S. Exploring gender disparities in first authorship in anatomy during last two decades. <i>Surg Radiol Anat</i> 2025 Feb 21;47(1): 82. doi: 10.1007/s00276-025-03597-w.	Research Article	1.41
29.	Singal A "Let's Talk About the Anatomy of Nervus Conarii" <i>Acta Scientific Otolaryngology</i> 6.5(2024): 01-02.	Editorial	0.8
30.	Singal A , Goyal S. Reliability and efficiency of ChatGPT 3.5 and 4.0 as a tool for scalenovertebral triangle anatomy education. <i>Surg Radiol Anat</i> 2024 Dec 9;47(1): 24. doi: 10.1007/s00276-024-03513-8.	Research Article	1.41
31.	Singal A . "Let's Revisit "The Mysterious Cranial Nerve: CN 0" <i>Acta Scientific Otolaryngology</i> 6.11 (2024) 01-02.	Editorial	0.8
32.	Singal A . Article entitled "A heart rooted in righteousness: Foundation of ethical life" published in DGHS news-letter swasthya sarvopari July 2024		
33.	Choudhary A . An anomalous additional muscle belly of flexor digitorum profundus: A Case Report with its Clinical Insight. <i>Int Jr Anat.</i> 2024; 13(2): 71-73.	Case Report	
Chapter in Book			
1.	Patra A , Asghar A, Ravi KS, Chaudhary P* (corresponding author) , Rajagopalan A. Visualization Techniques for Craniofacial Anthropometry. In <i>Applications of Three-dimensional Imaging for</i>	Chapter in Book	



	Craniofacial Region 2024 Oct 19 (pp. 119-130). Singapore: Springer Nature Singapore. In: Rana, S.S., Chaudhari, P.K., Gupta, A. (eds) Applications of Three-dimensional Imaging for Craniofacial Region. Springer, Singapore. https://doi.org/10.1007/978-981-97-4608-8_9		
	Chaudhary P. - Member of National Advisory Board in Inderbir Singh's Books of Human Embryology, 14 th Edition and Human Histology, 11 th Edition for first Prof MBBS students. -Got Acknowledgement for contribution in Human Anatomy book by B.D. Chaurasia; Text book of Human Embryology, General Anatomy and Text book of Human Anatomy VOL 1,2,6 by Yogesh Sontakke in 2024-2025.		
2.	Kumar A, Patra A (Corresponding author) . Cardiotoxicity: In book: OSCE and OSPE in Forensic Toxicology. July 2024. Publisher: IP Innovative Publication Pvt. Ltd	Chapter in Book	
3.	Singal A, Jacob J, Arora J. (2024) Sources and Distribution of Radioactive Pollutant in the Environment. DOI: 10.1007/978-3-031-73796-1_1 Chapter in book entitled "Radioactive Pollutant" by Springer;2024	Chapter in Book	
4.	Singal A Contributor in book (Anatomy & Embryology Part) "Radiology of the Abdomen and Pelvis A case-based guide" published in 2024 CRC press by Taylor & Francis Group; 2024	Chapter in Book	


Research Papers, Book/Book Chapters, i10-index, h-index:

S.No	Name of Faculty	Research papers	Book/Book chapter	i10 index*	H index*
1	Dr Priti Chaudhary	13	8	18	14
2	Dr Navita Aggarwal	4	0	3	5
3	Dr Apurba Patra	18	2	26	14
4	Dr Anjali Singal	10	2	20	15
5	Dr Vandana Tiwari	2	0	1	3
6	Dr Anju Choudhary	7	0	3	2

VIII. Other important Highlights with relevant photographs of the department: Training activities conducted, surgeries, camps, etc.

Sl.No.	Name of CME/Workshop	Dates
1.	1 st Hands-on Cadaveric Otology cum temporal bone dissection workshop in collaboration with E.N.T. Department	20-21 April, 2024
2.	Hands-on Cadaveric RHINOLOGY workshop in collaboration with E.N.T. Department	25 th & 26 th May, 2024
3.	Organized Guest Lectures, Screen decoration of anatomical topics & Functional Models making activities for the first year MBBS Students batch 2023-2024 on the eve of World Anatomy Day	23 rd October 2024
4.	Interactive hands-on session for M.B.B.S. students (2 nd Prof) of "Adesh Institute of Medical Sciences & Research	14 th August 2024
5.	Cadaveric Oath Ceremony	29 th October 2024
6.	Interactive Virtual Dissection: Explore Human Anatomy in 3D" for MBBS students of different profs of various medical colleges across India as a part of INFUSE	17 th October 2024
7.	Hands-on Cadaveric Workshops in Head & Neck region in collaboration with E.N.T. Department	13 th -15 th December 2024
8.	Hands-on Workshop on Cadaveric Hip Arthroplasty course in collaboration with Orthopedics Department	16 th March 2025
9.	Hands-on Cadaveric Workshop on Minimally Invasive Pain & Spine Interventions in collaboration with Anesthesia Department	30 th March 2025

IX. Number of Thesis Supervised MD/MS*
Any other achievements in number*

1. Procured sufficient number of cadavers through Body donation Program in the department, for teaching & research purposes.
2. As a part of continuous Medical Education and vertical integration, continuing "Inter-Departmental Teaching"; conducted P.G. teaching for Ophthalmology, ENT and Burn & Plastic surgery departments on Anatomage with prosections, bones etc.; training of PGs and SRs in surgical procedures like enucleation of eye (Hands on cadavers) with Ophthalmology department and temporal bone dissection in collaboration with E.N.T. department.
3. Foetal research lab has been started in addition to well-equipped & functional Dissection Hall, Histology lab, Anatomage lab, Museum, Research Laboratory;
4. Services of Social embalming have been started in the department.

Hands-on Cadaveric RHINOLOGY Workshop
25th & 26th May, 2024



Cadaveric Oath Ceremony, 29th October 2024



1st Hands-on Cadaveric Otology cum temporal bone dissection workshop
20-21 April, 2024



World Anatomy Day (23rd October 2024)

Guest Lectures, Screen decoration of anatomical topics & Functional Models making activities



Interactive Virtual Dissection: Explore Human Anatomy in 3D" for MBBS students of different profs of various medical colleges across India as a part of INFUSE (17th October 2024)





Hands-on Workshop on Cadaveric Hip Arthroplasty course
16th March 2025



Interactive hands-on session for M.B.B.S. students (2nd Prof) of “Adesh Institute of Medical Sciences & Research” 14th August 2024





DEPARTMENT OF BIOCHEMISTRY

Name of the Department	Biochemistry
Head of the Department	Prof (Dr)Gitanjali

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Gitanjali	Prof and Head	17/12/2021
2	Dr Shilpa Jain	Professor	18/06/2024
2	Dr Monica Kakkar	Additional Professor	11/12/2021
3	Dr. Sanjay Kumar	Additional Professor	13 /8/ 2019
4	Dr Saket J Sinha	Associate Professor	9/9/2019
5	Dr Himanshu Sharma	Associate Professor	14/8/2019
6	Dr. Rajani	Associate Professor	14/08/2019
7	Dr. Archana Nimesh	Assistant Professor	07/9/2022

II. Brief Introduction of the department:

Vision: The Department envisions state of art facilities for patient care, research and medical education.

Patient Care-

- a. OPD Patients: Department is providing diagnostic care to patients through OPD routine investigations (Blood, Urine and Fluid Biochemistry), Immunoassay facility including hormonal profiles, tumor markers and nutrition markers.
- b. IPD patients: For indoor patients all required routine investigations are done 24x7
- c. Emergency patients and triage patients: department is running 24x7 STAT lab with all investigations for critical care of patients
- d. Advanced Biochemistry lab: Newborn screening, prenatal screening, ELISA and flowcytometry based immunological investigations are done in Medical College and Molecular diagnostics have also been started.
- e. NABL Accreditation: Department has preparedness for NABL Accreditation and application will be submitted in next financial year soon.

Future plans: Department is willing to initiate expanded molecular diagnostics investigations.

Research: Department has many extramural projects funded by ICMR and SERB .PhD Programme has been started and two PhD scholars have been enrolled under that. Department is imparting training to various PGs for thesis ans also collaborating with various Departments for research.

Observership: Department is providing observership to students from various universities across India.

Medical Education: Innovative teaching methods are regularly implemented along with routine teaching. Small group teaching , SDL and case based learning is routinely done. Integrated teaching activities -model making, concept mapping, jigsaw activities for increasing interest in basic subject is frequently done.



III. Patient care Data:

For Diagnostic departments: Routine investigations

STAT LAB		OPD/IPD LAB	
Name of the test	Number of tests	Name of the test	Number of tests
ABG	66603	HS -CRP	111
ADA	1309	ADA	177
ALBUMIN	33956	ALB	56508
ALP	33859	ALP	55451
AMMONIA	677	ALT	55305
AMYLASE	1410	AMY	1247
B- HCG	461	Anti CCP	627
CALCIUM	6811	AST	55301
CHLORIDE	38848	BID	55205
CHOLESTROL	1325	BIT	55289
CK MB (Mass)	155	CA	13579
CKMB	1786	CHOL	15900
CK-Nac	565	CKMB	96
CREATININE	40530	CL	60033
CRP	11158	CRP	15808
DIRECT BILIRUBIN	34093	CRT	73287
GLUCOSE	5532	GLU	30472
HDL	1319	HBA1C	21859
HS CRP	45	HDL	15891
IRON	124	IRON	420
IRON PROFILE	655	IRON PROFILE	4530
LDH	1762	K	60331
LIPASE	1255	LDH	1667
MAGNESIUM	1703	LIPSE	1307
MPR	1204	MAL	3053
PCT	6110	MG	3013
PHOSPHORUS	5027	MPR	2865
POTASSIUM	38218	NA	71102
PRO BNP	13781	PHOS	7720
RF	390	RF	3638
SGOT	33908	TG	15899
SGPT	33936	TOTAL	992440
SODIUM	38949	TP	55095
TOTAL BILIRUBIN	34676	UA	7422
TOTAL PROTEIN	33971	UIBC	53
TRIGLYCERIDES	1311	UREA	72750
TROP I	7107		
UIBC	102		
UREA	40576		
URIC ACID	2018		
TOTAL	577225		1885451



IMMUNOASSAY PARAMETERS			
Name of the test	Number of tests	Name of the test	Number of tests
AFP	745	FREE T4	14182
ANTI-TPO	1138	TSH	22853
CA-125	855	INSULIN	357
CA-15.3	75	FSH	882
CA-19.9	1210	iPTH	4254
CEA	1357	LH	770
CORTISOL	1392	PROLACTIN	1664
C-PEPTIDE	228	TESTOSTERONE	730
FERRITIN	4019	TOTAL PSA	1646
FOLATE	2924	VITAMIN D	13851
FREE PSA	445	VITAMIN B12	10220
FREE T3	13632	Total	99429

ADVANCED BIOCHEMISTRY LAB			
Name of the test	Number of tests	Name of the test	Number of tests
Pancreatic Elastase	213	Lymphocyte subset	40
Fecal Calprotectin	253	CD19	6
ANA	2456	Newborn Screening	703
Ttg	1856	Prenatal testing	259
HLA B27	444	HLA B27 by RT-PCR	16
CD4/CD8	375	TOTAL	6605

Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Rajani	A comparative analysis of circulating miRNA-21 and miRNA-155 in asthma patient versus healthy controls: Insight into potential biomarkers.	Poster presentation as a co-author 9 th Sept. 2024 held at Vienna, Austria.	ERS 2024
National conferences				
1	Dr Gitanjali	Immune response and senescence	Immunology day celebration at AIIMS Bathinda	AIIMS Bathinda, 29 th April 2024
2		Role Of Cytokines In Health and Disease	3rd National Postgraduate Update cum CME “Virtual-Bio-Connect”	Department of Biochemistry, GMC 32
3		Expression of miRNA and its plausible role in aberrant proteomics in Carcinoma Ovary	National Conference on Emerging trends in Cancer prevention and Therapeutic interventions	Central University Punjab



4		Inflammageing in Immunsence: The untold story	31 st Annual Conference of Association of Medical Biochemists of India (AMBICON 2024)	Annual Conference AMBI, Gujrat Chapter
5		Prediction of risk of metabolic syndrome using Data visualization viz artificial intelligence	50 th Annual Conference of Association of Clinical Biochemists of India (ACBICON 2024)	PGIMER Chandigarh from 4 th -7 th December 2024
6		Hands-on Training on Study Design.	"Research Methodology Workshop on Thesis Protocol Writing".	AIIMS Bathinda
7		Understanding diagnostic errors & their consequences	Workshop under the MoHFW Scheme- Development of Nursing Services. "Patient Safety: Ensuring Excellence, Preventing Harm"	AIIMS Bathinda
1	Dr. Shilpa Jain	Innovative Breakthrough screening of early hepatic cancer: GALAD and HES-V2 serum biomarker model.	31 st Annual Conference of Association of Medical Biochemists of India held at Convention & Celebration Center, Ahmedabad from 18-31 December, 2024.	Organized by AMBI Gujarat Chapter, GCS Medical College, Ahmedabad.
1	Dr Monica Kakkur	Establishing Reference Intervals: A Vital Step for Geriatric Healthcare- Oral paper presentation	50 th ACBICON 2024	ACBI at PGIMER, Chandigarh from 4 th -7 th December 2024
2		Age Matters: Need for Establishing Geriatric-Specific Reference Intervals in Laboratory Investigations Guest speaker	11 th MAPICON 2024	Association of Physicians of India (Malva branch) from 26 th to 29 th September 2024, AIIMS Bathinda
3		Common Errors in the Laboratory: A Laboratorian's Guide to Identification & Circumvention- Guest speaker	11 th ACCLMPCON 2025	ACCLMP at Dichang Resort Guwahati, Assam on 11th and 12th January 2025
4		Understanding the key differences between ISO 15189: 2022 and ISO 15189: 2012 for an improved medical laboratory quality of services- Panellist	Pre Conference CME	HIMS SRHU Dehradun on 29th November 2024



1	Himanshu Sharma	Frequency of Y-chromosome microdeletions and its association with male infertility	Golden Jubilee Conference of Association of Clinical Biochemists of India, 4 th to 6 th Dec 2024	Department of Biochemistry PGIMER Chandigarh under aegis of ACBI
2		Role of Extracellular vesicle miRNA cargo in smooth muscle cell Hyperplasia HIV infection	Annual meeting of Indian Academy of Biomedical Scientist 11 th to 13 th Feb 2025	Department of Biochemistry AIIMS Bhopal under aegis of IABS
3		Association of MTHFR gene genetic polymorphism in Pathogenesis of oesophageal squamous cell carcinoma	CME on Biochemistry and Precision Oncology 22 nd March 2025	Department of Biochemistry AIIMS Bathinda
1	Dr. Archana Nimesh	Cord vitamin D as a predictor of neonatal outcome in mothers with decreased gestational glucose tolerance	24-sep 2024 (presented in workshop)	Dept. of Biochemistry, AIIMS Bathinda

V. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1	Dr Gitanjali	e-certificate	1st Annual Online International Winter School	Flowcytometry Solutions (P) Ltd, Jaipur, India 13th November – 15th December, 2024
2	Dr Shilpa Jain	1.Organizing Joint Secretary 2.awarded prestigious Dr. Sheela Devi Kodiwadmth Oration titled Innovative Breakthrough screening of early hepatic cancer: GALAD and HES-V2 serum biomarker model	31 st Annual AMBICON. of India held at Convention & Celebration Center, Ahmedabad from 18-31 December, 2024.	AMBI Gujarat Chapter organized by GCS Medical College, Ahmedabad.
3	Dr Monica Kakkar	STAR PROFORMER Award	11 th ACCLMPCON 2025	held at Dichang Resort Guwahati, Assam on 11th and 12th January 2025
4	Dr Sanjay	1. Nominated for National Academy of Sciences membership by Honorary NASI Scientists. 2. Successfully isolated and preconditioned stem cells from Wharton Jelly for the first time in AIIMS Bathinda and second AIIMS to do so. 3. CSIR-JRF awarded (AIR-175 with 99.12 percentile) to Anshika Sethi Ph.D. Student.		



		4. First time initiated the process of Institutional Registration on CSIR- New FMS portal. 5. GATE 2025 qualified: Namrata Sharma 6. PhD Guide(03 students)	
5	Dr. Rajani	Joint Chairperson Scientific Committee member of ACCLMP Punjab Chapter	ACCLMP Punjab chapter

VI. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/completed)	Budget
Projects sanctioned					
1	Dr Gitanjali Prof and Head	"Expression of Interest (Eoi) for ICMR's Taskforce on Establishment of Reference Intervals in Indian Population (TERIIP)"	Extramural	Ongoing (Capacity building and systematic review for project going on under ICMR)	1.49 cr (yet to be received)
2	Dr. Shilpa Jain	Role of Cytochrome C and apoptotic index factor I in apoptotic death in response to chemoradiotherapy in locally advanced head & neck cancer patients. Co-I	Intramural	Ongoing	
3	Dr Monica Kakkar Additional Professor	In vitro study, employing cadaver blood vessels, on the role of calcification in determining the patency of arterial and venous conduits routinely employed for CABG	ICMR IIPR small grant	ongoing	63 lakhs
4	Dr Himanshu Sharma	To investigate the potential role of salivary exosomal miRNAs in the lung cancer pathogenesis, and to evaluate their clinical utility as	Extramural from DHR	Ongoing (2025-2028)	45,00,000/-



		biomarkers for diagnosis, prognosis, therapeutic potential			
		Extracellular vesicles mediated induction in pro-inflammatory response leading to pulmonary endothelial dysfunction in cystic fibrosis patients	Extramural- ICMR	Ongoing (2023-2026)	40,00,000/-
		Investigating the role of Extracellular vesicles derived miRNA released from mutant CFTR expressing epithelial cells in modulating oxidative stress and pulmonary endothelial dysfunction in cystic fibrosis patients	Extramural- DST	Ongoing (2025-2030)	28,00,000/-
		To assess the impact of endocrine disrupting chemical (EDC) exposure on DNA methylation in infertile males: A multicentric study in India	Extramural from DHR	Ongoing (2024-2027)	52,00,000/-
5	Dr. Rajani Associate Professor	Evaluating the Impact of Intermittent Fasting on Sleep Quality and Biochemical Profile	Intramural (non-funded)	Ongoing	-
		Utility of Fecal Calprotectin in Assessing Disease Severity in Ulcerative Colitis: A Prospective Cohort Study	Intramural (non-funded)	Ongoing	



6	Dr Archana Nimesh	Gamification using crossword puzzles as an innovative learning tool in biochemistry for medical students. (PI)	Intramural (non-funded)	Ongoing	
		Assessment of compliance of medical follow up in type 2 diabetes patients and its correlation with medical profile: A cross-sectional study. (PI)	Intramural (Non-funded)	Ongoing	
		To evaluate the potential of 'Jigsaw Technique' as a learning tool in biochemistry for the medical students. (PI)	Intramural (Non-funded)	Ongoing	
		To evaluate the potential of concept mapping as a learning tool in biochemistry for medical students. (PI)			
7	Dr. Saket (CoPI)	Screening and evaluation of natural cyclin-dependent kinase (CDK)-5 inhibitors in Chlorpyrifos-associated dementia in ageing and elderly population	ICMR Small Grant	Ongoing	₹6459586 (3 years w.e.f. March 2025)
	Dr. Saket Sinha	Study of association between Non-Alcoholic Fatty Liver Disease (NAFLD)/Metabolic associated Fatty Liver Disease (MAFLD) and chronic kidney disease (CKD) across diverse stages via	Intramural	Ongoing	Non funded



		radiological and biochemical profiling			
Projects submitted					
1	Dr Gitanjali	“miRNA expression profiling and immunomodulation in polycystic ovary syndrome”			7,125,240.00
2		Harnessing exosomal miRNA, aberrant proteomics and immunomodulation in patients with carcinoma ovary”			11,758,441.00
3		Developing a collaborative model for the newborn screening for early detection of inborn errors of metabolism in public health facilities of Bathinda District, Punjab			23,963,478.60
4	Dr Himanshu	Developing Novel CFTR modulator of CF patients in India with rare and novel mutations	NRF	Submitted	65,00,000/-
5		Identifying Association of Genetic Polymorphism in Pathogenies and high prevalence of Esophageal squamous cell carcinoma	ICMR	Submitted	50,00,000/-
6	Dr Archana	Assessment of serum TNF alpha. IFN gamma, IL 6, and adenosine deaminase levels as novel biomarkers of TB spine.	Funded (Intramural)	Ongoing	Approx. 2 lacs
7	Dr. Saket Sinha,	Burden of metabolic dysfunction associated fatty	ICMR-STC	Not shortlisted	Non funded



		liver disease related advanced hepatocellular carcinoma (MAFLD-HCC) and its prognostic association with metabolic indices: A hospital based cross-sectional study			
8	Student Investigator : Javatrika (5th Semester MBBS) Mentor: Dr. Saket Sinha, Associate Professor, Biochemistry	Cross-sectional study of prevalence and correlations of metabolic dysfunction-associated steatotic liver disease (MASLD) among patients of primary hypothyroidism in a north Indian tertiary care hospital	ICMR-STS	Not shortlisted	Non funded

VII. Papers and Books/chapters published by the department:

1. Kaur N, Goyal G, Garg R, Tapasvi C, Demirbaga U. Ensemble for evaluating diagnostic efficacy of non-invasive indices in predicting liver fibrosis in untreated hepatitis C virus population. *World Journal of Methodology*. 2024 Sep 20;14(3): 91058.
2. Singh Gill G, Kaushik M, Kharb S, Goyal G, Malik U. Exploratory role of serum FGF-8 as a marker of bone metastasis in tumor progression. *Int J Med Biochem* 2024;7(1): 33–40.
3. Jain S, Goel A, Patel A, Shaikh S. Predictive and Prognostic Molecular Markers of Oral Cancers and Potential Therapeutic Agents Targeting These Markers. *Indian J Med Biochemistry* 2024; 28(3): 82-90.
4. Purandare N, Jain S, Shinde S, Patel N. Serum Anti-Mullerian hormone and antral follicle count: Indicators of Ovarian reserve in Primary Infertility. *International J Infertility and Fetal Medicine* 2025; 16 (1): 1-4.
5. Purandare N, Goyal A, Shinde S, Jain S. Comparative analysis of Sensitivity & Specificity of Creatinine kinase MB and cardiac Troponin I for diagnosis of acute Myocardial Infarction. *Journal of Indian Medical Association* 2024; 122 (12): 47-51.
6. Sharma N, Kumar S (Corresponding author) et al. Unravelling the Mystery of Hypoxia-induced miRNAs in Breast Cancer: A Molecular Cross-Talk Driving Tumor Progression and Therapy Resistance (Under Review) IF-11.
7. Kumar S (First & Corresponding author), Yadav V, Vaidya M. Novel Heart Specific Conditional STAT3 Knockout Abolish Cardioprotection against Ischemic/Reperfusion Injury upon Tadalafil Treatment (under review)
8. Kalsi P, Gupta N, Goyal G, Sharma H. Decoding the role of extracellular vesicles in pathogenesis of cystic fibrosis. *Mol Cell Pediatr*. 2025 Apr 21;12(1): 5. doi: 10.1186/s40348-025-00190-4. PMID: 40257719.
9. Kalsi P, Jain P, Goyal G, Sharma H. In silico drug repurposing approach to predict most effective HAART for HIV drug resistance variants prevalent in the Indian HIV-positive population. *AIDS Rev*. 2024;26(3): 93-101. PMID: 39466703.



10. Sharma B, Shekhar H, Sahu A, Kaur D, Haque S, Tuli HS, Sharma H, Sharma U. Epigenetic insights into prostate cancer: exploring histone modifications and their therapeutic implications. *Front Oncol.* 10.3389/fonc.2025.1570193. PMID: 40356745. 2025 Apr 28;15: 1570193.
11. Kalsi P, Aggarwal N, Shukla KK, Sharma J, Goyal G, Prasad R, Sharma H. SARSCoV-2 Associated Impact on Reproductive Health: A Global Perspective. *Indian J of Clin Biochemistry*, 2024; 1-12.
12. Kumawat R, Nimesh A, Jalandra R, Agrawal S, Srinivas H, Ahirwar AK. Perception, acceptance, and adverse effects of COVID-19 vaccines: Insights from Indian population. *J Family Med Prim Care.* 2024 Mar;13(3): 1062-1067. doi: 10.4103/jfmpc.jfmpc_1668_23. Epub 2024 Apr 4. PMID: 38736779; PMCID: PMC11086799.)
13. Nimesh A, Kumawat R, Sinha S, et al. (November 29, 2024) Jigsaw as a Revision Module for Enhancing Learning in Biochemistry Among First-Year Medical Students. *Cureus* 16(11): e74720. DOI 10.7759/cureus.74720
14. Nimesh A, Kumawat R, Pathak A, Kumar S. Coexistence of Hemoglobin D and Thalassemia Trait: A Rare Phenomenon with Cardiac Presentation. *J Tehran Heart Cent.* 2024;19(S1): 68-73.
15. Sinha S, Kumar B, Prasad CP, Chauhan SS, Kumar M. Emerging Research and Future Directions on Doxorubicin: A Snapshot. *Asian Pacific Journal Cancer Prevention.* MEDLINE. 2025.Jan 1;26(1). 5-15

For Book/ Chapter:

1. Edited book: Dr. Monica Kakkar

1. Associate Editor 2nd South Asian Edition of Lippincott Illustrated Reviews Biochemistry
2. Reviewer Textbook of Biochemistry for Medical Students 11th edition by Dr. DM Vasudevan.

The department needs to provide the following numbers **individual faculty wise:**

Research Papers, Book/Book Chapters, i10-index, h-index

	Dr Gitanjali	Dr Shilpa	Dr Himanshu	Dr Saket	Dr Rajani	Dr Archana
Research papers	2	3	4	2	3	5
Book/Book chapter	-		2		0	
i10 index	9		11	2	0	6
H index*	9		10	2	1	6

VIII. Key Highlights and Departmental Activities:

- Number of Conference Organized*-CME 01(Biochemistry and Precision Oncology)
- Number of Workshop Organized* - 01(Newborn screening)
- Number of Days/week days – 03
- Infuse workshop -01 (Undergraduate intercollegiate event)

- IX. Thesis Supervised (MD/MS): *Number: 08
- X. Other Notable Achievements (in numbers): *



Biochemistry/01



Biochemistry/02



Biochemistry/03



Biochemistry/04



DEPARTMENT OF BURNS & PLASTIC SURGERY

Name of the Department	Department of Burns & Plastic Surgery
Head of the Department	Dr. M Altaf Mir

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Mohd.altaf mir	Associate professor & head	27 july 2021
2.	Dr. Rajesh kumar maurya	Assistant professor	02 august 2021
3.	Dr. Sarabjot singh anant	Assistant professor	15 march 2024 & relieved on 10 february 2025

II. Brief Introduction of the Department:

- (a) The department of Burns & Plastic Surgery at the All-India Institute of Medical Sciences, Bathinda, Punjab, was established in July 2021 with the joining of Dr. M. Altaf Mir as Associate Professor on 27th of July 2021.
- (b) The Department is rapidly increasing the spectrum of reconstruction and undertaking the major reconstruction surgeries in head and neck cancer patients, hand and lower limb injuries, post skin malignancy defects, oculoplastic surgery, and almost all the congenital and acquired defects and deformities of anatomical body parts.
- (c) Micro-vascular tissue transfers like free Flaps, repair of nerve and vessel injuries, Brachial plexus surgery, cleft and craniofacial surgeries, and lymphedema surgery are being routinely done. Corrective surgeries and rehabilitation of post-burn deformity, post-burn scarring, and limb deformity are done. Pediatric Congenital deformities like syndactyly, polydactyly, hypospadias, cleft lip-palate, and club hand are being corrected. Aesthetic Surgeries like otoplasty, rhinoplasty, abdominoplasty, breast reduction, gynecomastia correction, and scar revision are being done. A minor surgical procedure room has been set up in the outpatient clinic and in the Burns & Plastic Surgery Ward.
- (d) The Department is planning to establish a microvascular training lab for teaching and training of residents and the establishment of a dedicated 55-bedded Burn unit with modern facilities, with HDU and a dedicated Burn OT (under CSR) for the care of Acute Burn patients in the near future.
- (e) The Department has already started M.Ch. Plastic and Reconstructive Surgery and M. Ch in Hand and Microvascular Surgery. The post-doctoral certificate course (PDCC), with two seats per year in Hand Surgery, is also approved. The department has also started short (3-month) and long (6-month) observer-ship courses in Hand and Brachial Plexus surgery, and Maxillofacial surgery.
- (f) The department is planning to start a 6-year course in Plastic and reconstructive Surgery and a Post-doctoral fellowship in Cleft and Craniofacial Surgery in the near future.

III. Patient care:

SR. No	Category	Number
1.	Patients seen in OPD	8328
2.	Patients admitted in IPD	699
3.	Teleconsultations	0
4.	Procedures performed	
	A. dressing	2861
	B. OPD procedures	281
5.	OT performed	
	A. Major	724



	B. Minor	41
6.	Patients seen in	
	A. Cleft lip and Craniofacial clinic	1506
	B. Hand and Brachial Plexus Surgery clinic	2147

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference – 7 papers and 2 posters

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences/CMEs/Workshops/Courses/Orientation Programmes				
1.	Dr Mohd Altaf Mir	Breaking the Myths regarding Plastic Surgery	CME and Celebration of World Plastic Surgery Day 2024	Department of Burns and Plastic Surgery, AIIMS Bathinda, 15th July 2024
2.	Dr Mohd Altaf Mir	'Importance of workshop on Microvascular Anastomosis	CME & Workshop on Suturing and Microvascular Anastomosis at AIIMS Bathinda, 27th April 2024.	Department of Burns and Plastic Surgery, AIIMS Bathinda, 27th April 2024.
3.	Dr Mohd Altaf Mir	Breaking Bad News	the MD/MS Orientation Program at AIIMS Bathinda, 13th August 2024.	AIIMS Bathinda
4.	Dr Mohd Altaf Mir	'Importance of Patient Communication & Soft Skills	MBBS Orientation Program at AIIMS, Bathinda, 19th October 2024.	AIIMS Bathinda
5.	Dr Mohd Altaf Mir	'Sampling Methods	the thesis writing workshop conducted by the Research Advisory Committee, AIIMS Bathinda, 4th to 8th November 2024	AIIMS Bathinda
6.	Dr Mohd Altaf Mir	Transforming Wound care: Bridging gaps and advancing practices	1st Annual Conference of the Interprofessional Wound Care Association, organized by IWCA, 9th November 2024.	IWCA
7.	Dr Mohd Altaf Mir	"Optimizing outcomes: Immediate flap coverage for acute traumatic lower limb wounds	26TH Annual Conference of the Indian Society of Wound Management, WOUNDCON 2024	JN Medical College, AMU, ALIGARH, 22nd - 23rd November 2024.

V. Faculty achievements –awards, honours etc

Number of Award Received (only from registered professional organization of national and international repute) * 2

SI No	Name of faculty	Award/honour	Event	Organised by
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1.	Dr Mohd Altaf Mir	Award of Appreciation	World Plastic Surgery Day 2024	AIIMS Bathinda, 15th July 2024
2.	Dr Mohd Altaf Mir	Award of Honor	WOUNDCON 2024, 26TH Annual Conference of Indian Society of Wound Management	Indian Society of Wound Management at JN Medical College AMU, ALIGARH, 22nd - 23rd November 2024.

VI. Number of Recognitions Received (only from registered professional organization of national and international repute) * 3

SI No	Name of faculty	Recognition	Professional organization
1.	Dr Mohd Altaf Mir	Breast Reconstructive and Aesthetic Surgery (BRASA) life membership) on 18th June 2024, Life Membership ID: 382	Breast Reconstructive and Aesthetic Surgery Association (BRASA)
2.	Dr Mohd Altaf Mir	Indian Society of Peripheral Nerve Surgery (ISPNS) on 17 th Aug 2024, life membership ID: A-359	Indian Society of Peripheral Nerve Surgery (ISPNS)
3.	Dr Mohd Altaf Mir	Interprofessional Wound Care Association, 9 th Nov 2024, (Executive board member) life membership ID: U88900PB2024NPL061968	Interprofessional Wound Care Association (IWCA)

VII. Books/chapters published by the faculty:

A. Book Chapters: 2

B. Books: 1

Book Chapters/ Books published:
1. Book chapter ‘Shattered Faces, Surprising Discoveries: Unravelling the Enigma of Traumatic Facial Fracture Leading to Pneumopericardium’ in a book Medical Research and Its Applications Vol. 6, 3 June 2024, Page 90-96 https://doi.org/10.9734/bpi/mria/v6/840
2. Book Chapter ‘Post Burn Microstomia: Challenges and Comprehensive Management’ in book Medicine and Medical Research: New Perspectives Vol. 8, 4 October 2024, Page 97-115. https://doi.org/10.9734/bpi/mmrnp/v8/2156
3. Book ‘Paediatric Abdominopelvic Trauma’ May 2024 with ISBN 978-81-973924-4-3 (Print), ISBN 978-81-973924-0-5 (eBook) https://doi.org/10.9734/bpi/mono/978-81-973924-4-3

VIII. Papers Published: 3

- Sharma J, Sharma R, Mir MA, Grewal A. Awake fibreoptic intubation in a paediatric patient with Tessier’s cleft: Navigating the challenges. Saudi Journal of Anaesthesia. 2025 Jan 1;19(1): 137-9. DOI: https://doi.org/10.4103/sja.sja_486_24 , PMID: <https://pubmed.ncbi.nlm.nih.gov/39958291/> (International). 3rd Author. Case Report.
- Chaturvedi J, Goyal D, Ruchika FN, Mir MA, Saini R. A Systematic Review of Paediatric Abusive Head Trauma: What a Surgeon Needs to Know Before Using a Knife. Cureus. 2025 Feb 3;17(2). DOI: <https://doi.org/10.7759/cureus.78419> , PMID: <https://pmc.ncbi.nlm.nih.gov/articles/PMC11881666/> (International). 4th & Corresponding Author. Systematic Review.
- Mir MA, Pal S, Sharma J, Goyal D, SHARMA J. Microstomia Release in Post-burn Contractures: A Case Report. Cureus. 2025 Feb 17;17(2). DOI: <https://doi.org/10.7759/cureus.79184> , PMID: <https://pubmed.ncbi.nlm.nih.gov/40125204/> (International). 1st & Corresponding Author. Case Report.



Sr. No.	Parameter	Dr. Altaf Mir (Associate Professor)	Dr. Rajesh K Maurya (Assistant Professor)	Dr. Sarabjot Singh Anant (Assistant Professor)
1.	Research papers	61	14	6
2.	Book chapter	9	2	0
3.	Books	3	0	0
4.	Number of citations	272	6	1
5.	i10 index	9	-	0
6.	h-index	9	2	1

IX. Number of Thesis Supervised MD/MS* =3

- One (1) MD Radiodiagnosis thesis co-supervised by Dr. Mohd Altaf Mir
- One (1) M. Ch Hand and Microvascular Surgery thesis supervised by Dr. Mohd Altaf Mir
- One (1) M. Ch Plastic and Reconstructive Surgery thesis supervised by Dr. Mohd Altaf Mir
- Any other achievements in number*=2Two (2) STS project supervised by Dr. Mohd Altaf Mir

X. Number of Conference Organized – 04 National Conference/CMEs

1. CME ON SUTURING AND MICROVASCULAR ANASTOMOSIS, 27th April 2024.
2. CME & CELEBRATION OF WORLD PLASTIC SURGERY DAY, 15th July 2024
3. CME ON HAIR TRANSPLANT AND FACIAL INJECTION, 7th December 2024.
4. CME ON VASCULAR AND MICROVASCULAR ANASTOMOSIS, 22nd February 2025

A. Number of workshops Organized – 03 Workshops

1. WORKSHOP ON SUTURING AND MICROVASCULAR ANASTOMOSIS, 27th April 2024.
2. OPERATIVE WORKSHOP ON HAIR TRANSPLANT AND FACIAL INJECTION, 7th December 2024.
3. WORKSHOP ON VASCULAR AND MICROVASCULAR ANASTOMOSIS, 22nd February 2025

c. Other important Highlights with relevant photographs of the department:



CME & Workshop On Suturing And Microvascular Anastomosis, 27th April 2024.



CME & celebration of world plastic surgery day 2024 & release of two books authored by Dr. M. Altaf Mir, 15th July 2024



Operative Workshop On Hair Transplant And Facial Injection, 7th December 2024.



CME & Workshop on Vascular and Microvascular Anastomosis, 22nd February 2025



DEPARTMENT OF CARDIOLOGY

Name of the Department	Cardiology
Head of the Department	Prof. (Dr) Bhupinder Singh

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
01	DR BHUPINDER SINGH	PROFESSOR	12/4/2025
02	DR SURAJ KUMAR	ASSISTANT PROFESSOR	16/08/2021
03	DR TEJINDER SINGH MALHI	ASSISTANT PROFESSOR	08/12/2023

II. Brief Introduction of the department:

The Department of Cardiology is focused on providing HOLISTIC CARDIOVASCULAR care in all its domains, viz clinical cardiology, diagnostic cardiology, and interventional cardiology. Presently, we are covering the whole spectrum of cardiovascular diseases including Coronary artery diseases, Heart failure, cardiac arrhythmias, and Preventive cardiology for risk stratification,

Apart from routine cardiology services, we have started CARDIAC REHABILITATION PROGRAM, which involves YOGA care, predischarge counselling in the cardiology ward, and regular cardiac awareness lectures in the cardiology OPD/ main reception area premises.

We are involved in the emergency cardiac services for ACUTE MI (STEMI) patients in collaboration with the PUNAJB STATE STEMI PROJECT under NP-NCD.

Futuristically, we plan to expand the non-invasive cardiology (diagnostic services) , interventional cardiology services, and more and more use of the TELEMEDICINE services for the follow-up patients (to decrease the travel burden of the patients).

Research perspective: We are a part of multicentric national projects. A total of 2 extramural projects are ongoing. 2 funded by ICMR. Apart from this, we have ongoing 1 intramural projects and 3 are in the pipeline for approval purpose.

III. Patient care Data:

For Clinical departments:

Sl No	Category	Number
1.	Patients seen in OPD	45363
2.	Patients admitted in IPD	
	*CARDIOLOGY WARD	1806
	* CCU CARDIOLOGY	1289
	* CATH CCU	340
3.	Teleconsultations	
4.	Procedures performed	
	• PTCA	889
	• CATH STUDY	16
	• IVC FILTER	04
	• PACEMAKERS (TPI,PPI,AICD/CRT-D,CRT-P)	311
	• DEVICE CLOSURE (ASD,VSD,PDA,RSOV)	20
	• BALLOON VALVOTOMY (BMV,BPV)	33
	• TAVI	01
	• EPS+RFA	10
	• TEVAR	03
5.	Any other special clinic/activity	
	• HEART FAILURE CLINIC	813
	• HEART VALVE CLINIC	12
	• PEDIATRIC CLINIC	413



For Diagnostic departments:

SI No	Category/ Name of test	Number
1.	ECG	11381
2	ECHOCARDIOGRAPHY	16855
3	HOLTER MONITORING	454
4	AMBULATORY BLOOD PRESSURE MONITORING	282
5	CORONARY ANGIOGRAPHY	2365

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Bhupinder Singh	Heart failure with preserved ejection fraction: Evolving trends	MAPICON	API, Malwa branch.
2	Bhupinder Singh	Prevention and Control of Hypertension- Nursing perspective	INER	AIIMS, Bathinda

V. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Bhupinder Singh, Prof. & Head	Effectiveness of Yoga-based Cardiac Rehabilitation (Yoga-CaRe) HF trial in Heart Failure: A Randomised controlled Clinical Trial abbreviated as Yoga-CaRe-HF"trial	Extramural: ICMR	Ongoing	36,00,280 INR
2	Bhupinder Singh, Prof. & Head	TOPSPIN TRIAL	Extramural: Imperial College of London	Completed	11,77,680 INR
3	Bhupinder Singh, Prof. & Head	Diagnostic accuracy and clinical utility of Kardia 12L handheld ECG device as compared to standard 12-lead ECG machine in a tertiary care hospital setting"	Intramural	Ongoing	-
4	Dr Suraj Kumar, Assistant prof.	A study on normal reference values of left ventricular strain using three-dimensional speckle tracking	Intramural	Ongoing	-



		echocardiography in a sample of asymptomatic adult Indian population			
Projects submitted					
5	Dr Suraj Kumar, Assistant prof.	To study the correlation of the novel inflammatory marker- SIRI in in-hospital outcome of patients with ADHF	Intramural	-	-
6	Bhupinder Singh, Prof. & Head	Selatogrel Outcome Study in suspected Acute Myocardial Infarction (SOS-AMI) Multi-center, double-blind, randomized, placebo-controlled, parallel-group study to evaluate the efficacy and safety of self-administered subcutaneous selatogrel for prevention of all-cause death and treatment of acute myocardial infarction in subjects with a recent history of acute myocardial infarction	Extramural	-	2.5Lakh per patient Competitive.

VI. Papers and Books/chapters published by the department:

1. Salhan S, Dhillon NS, Singh A, Kumar S, Singh B. Goldberger's Triad: An Electrocardiographic Key to Unlock Dilated Cardiomyopathy. *Am J Med.* 2025 Jun;138(6): 958-960.
2. Beura SK, Panigrahi AR, Yadav P, Kulkarni PP, Lakhnpal V, Singh B, Singh SK. Role of Thrombosis in Neurodegenerative Diseases: An Intricate Mechanism of Neurovascular Complications. *Mol Neurobiol.* 2025 Apr;62(4): 4802-4836.
3. Kiru G, Roy A, Kondal D, Chandrasekaran AM, Mukherjee S, Mohan B, Singh K, Salwa H, Christa E, Lobo AS, Mahajan G, Khanna A, Malviya A, Patil SG, Abichandani VK, Singh B, Gupta BK, Yellapantula B, Shailendra D, Sengupta S, Kumar S, Bardoloi N, Khanna M, Mishra A, Aithal K, Chavda V, Cornelius VR, Prabhakaran D, Poulter N; TOPSPIN Investigators. Treatment optimisation for blood pressure with single-pill combinations in India (TOPSPIN) - Protocol design and baseline characteristics. *Int J Cardiol Cardiovasc Risk Prev.* 2024 Oct 24;23: 200346.
4. Rakesh Aseri, Manoj Aseri, Rohit Tandon, Abhishek Goya, Bhupinder Singh, Shibba Takkar, Naved Aslam, Bishav Mohan, Gurpreet Singh Wander. A Comparative Study of Risk Factors in Patients with Coronary Artery Disease with Their Siblings in Tertiary Care Hospital in North India. *European Journal Of Cardiovascular Medicine.* Volume 14 Issue: 4 (Jul-Aug, 2024) | Pages 737 - 743
5. Dhillon NS, Singh A, Kumar Suraj, Singh Bhupinder. Oesophageal submucosal haematoma in a patient with acute coronary syndrome. *BMJ Case Rep.* 2024 Dec 11;17(12): e262541.
6. Singh A, Dhillon NS, Kumar Suraj, Singh Bhupinder. Mediastinal haematoma following permanent pacemaker insertion. *BMJ Case Rep.* 2024 Dec;17(12).
7. Kumar Suraj, Kumar R, Malhi Tejinder Singh, Singh Bhupinder. Giant stent-related coronary pseudoaneurysm. *J Invasive Cardiol.* 2024 Aug 9.



8. Reddy S, Rao RK, Kashyap JR, Kadiyala V, Kumar Suraj, Dash D, Uppal L, Kaur J, Kaur M, Reddy H, Rather IIG, Malhotra S. Association of non-HDL cholesterol with plaque burden and composition of culprit lesion in acute coronary syndrome: An intravascular ultrasound-virtual histology study. Indian Heart J. 2024;76(5): 101062.
9. Wander A, Basra VS, Malhi TS, Singh R. Giant Aortic Arch Aneurysm Presenting as Ortner's Syndrome in Polycystic Kidney Disease: A Radiological Perspective. Cureus. 2024 Jun 29;16(6): e63490.

For Book/ Chapter:

Role of Integrative Medicine in Diabetes Care: Strengths, Weaknesses, Opportunities, and Challenges – Analysis Based on Current Evidence. Trending topic: Diabetes, 21 chapter.

Faculty	Research papers	Book/Book chapters	i10 index	H index
Dr Bhupinder Singh	7	1	20	15
Dr Suraj Kumar	5	-	4	7
Dr Tejinder Singh Malhi	2	-	-	2

VII. Key Highlights and Departmental Activities:

- Organised “World Heart Day” event on 29th Sept. 2024
- Organised a staff training session on heart failure clinic management by online CME with AIIMS Delhi
- Training programs, activities conducted, surgeries, Health & awareness camps, etc.

VIII. Thesis Supervised (MD/MS): *

- Dr Bhupinder Singh: 5 Thesis (3 as Guide and 2 as Co-guide)
- Dr Suraj Kumar: 5 Thesis (2 as Guide and 3 as Co-guide)

IX. Other Notable Achievements (in numbers): *

- 1) Completed a multicentric National RCT and got the publication of its methodology.
- 2) Department became a part of PUNJAB STATE STEMI PROJECT under NP-NCD program as a “Hub-and-spoke” model.



DEPARTMENT OF CARDIOTHORACIC & VASCULAR SURGERY

Name of the Department	Cardiothoracic and Vascular Surgery
Head of the Department	Prof. (Dr.) Rajiv Kumar

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
01.	Dr. Rajiv Kumar	Professor & Head	08-12-2022
02.	Dr. Klein Dantis	Assistant Professor	13-05-2022
03.	Dr. Dilrag Dhindsa	Assistant Professor	17-03-2024

II. Brief Introduction of the department:

- Beating Heart coronary artery Bypass grafting.
- Minimal invasive CABG
- Valvular Heart Surgery
- Congenital Cardiac Surgeries

TOF The vision is to provide tertiary-level care for our patients undergoing surgical procedures. We provide a well-rounded cardiac, thoracic, and vascular surgical education, providing training in all facets of our specialty.

Since the inception of the Department, the following procedures have been performed regularly.

- Tetralogy of Fallot
- Neonatal PDA Closure
- AV Canal Defect Repair
- VSD Closure and Aortic Valve Repair
- Ruptured Sinus of Valsalva Repair
- ECMO and surgical treatment of end-stage heart failure

Complex Cardiac Procedures:

- Post M.I. Ventricular septal rupture repair
- Post M.I. Left Ventricular Rupture Repair
- Carotid Endarterectomy Procedure
- Video-assisted thoracoscopic surgery
- Thoracic tumours
- Lobectomies
- Decortication
- Vascular Surgeries
- Endovascular Aortic Repair
- Open vascular grafting

III. Patient care Data:

Sl No	Category	Number
1.	Patients seen in OPD	5946
2.	Patients admitted in IPD	336
3.	Teleconsultations	
4.	Procedures performed	
	A. Major	235
	B. Minor	230
5.	Any other special clinic/activity	



IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference: 3

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
National conferences				
1	Dr. Rajiv Kumar	Vascular And Micro vascular Anastomosis	CME & Workshop On Vascular And Micro vascular Anastomosis	AIIMS Bathinda
2	Dr. Rajiv Kumar	Invasive Monitoring: Arterial pressure Monitoring, pulmonary artery catheter , cardiac output monitoring	NZACTA Annual Conference 2024	AIIMS Bathinda
3	Dr. Rajiv Kumar	Key Note: Patient Safety & Diagnosis: A Global Perspective	Work Shop Under the Scheme Development of Nursing Services, MoHFW, New Delhi 2024 "Ensuring Excellence, Preventing harm"	AIIMS Bathinda
4	Dr. Rajiv Kumar	Disaster management: An Overview	Work Shop Under the Scheme Development of Nursing Services, MoHFW, New Delhi 2025 "Disaster Management: Preparedness and Response	AIIMS Bathinda
5	Dr. Rajiv Kumar	Chairman Organising Committee Presented a paper on Role of MID CABG in Coronary Artery Disease	MAPICON 2024	AIIMS Bathinda
6	Dr. Rajiv Kumar	On topic Cath or Not to Cath, A Surgeon's dilemma, and Chaired the Session on Role of ECMO	RSACPCON 33rd Annual National Conference 2025 "Empowered Perioperative Physicians: Crafting Pathways to Safer patient Outcomes"	AIIMS Bathinda
7	Dr. Klein Dantis	Clinical evaluation and Non-surgical treatment for chest Deformity	IACTS- Jammu 2024	IACTS
8	Dr. Klein Dantis	Non-operating Management of pectus excavatum: our experience	Symposium on chest wall diseases AIIMS Delhi 2024	AIIMS New Delhi
9	Dr. Klein Dantis	Laser lung metastesectomy workshop	RGCI new Delhi	RGCI new Delhi
10	Dr. Klein Dantis (As mentor)	Unusal giant Hereditary osteochondroma vascular related:	INSIGHT New Delhi	AIIMS New Delhi



		technical challenge and outcome		
11	Dr. Klein Dantis (As mentor)	Unveiling the uncommon intrapleural extra parenchymal liposarcoma diagnostic and therapeutic challenges.	LHMC Per update 2025	LHMC New Delhi
12	Dr. Dilrag Dhindsa (Organising Secretary)	Vascular And Microvascular Anastomosis	CME & Workshop On Vascular And Microvascular Anastomosis	AIIMS Bathinda
13	Dr. Klein Dantis	Laser lung metastesectomy workshop	RGCI new Delhi	RGCI new Delhi

V. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Rajiv Kumar CO PI- Dr. Dilrag Dhindsa	Association between visceral adipose Tissue inflammation and body composition with type 2 Diabetes undergoing Coronary Artery Bypass Grafting (CABG).		On going	Not Funded
2	PI- Dr. Bhupinder Singh/CO PI- Dr. Rajiv Kumar	A study on normal reference values of left ventricular strain using three- dimensional speckle tracking echocardiography in a sample of asymptomatic adult Indian Population.			
3	PI-Dr. Monica Kakkar/CO PI- Dr. Rajiv Kumar	In vitro study, employing cadaveric and CABG patient conduit blood vessel , on the role of calcification in determining patency of arterial and venous conduits routinely employed for CABG(GAP0041)	ICMR	On going	63,46,121
Projects submitted					
4	Dr. Rajiv Kumar	To Establish Myocardial Infarction and cardiac Ischemic/Reperfusion Injury Model for understanding therapeutic	Extramural DBT	Submitted	1,21,31,646



		Potential of Drug Tadalafil: An In vivo study			
5	PI- Dr. Sanjay Kumar Co PI- Dr. Rajiv kumar	Randomised Phase-I clinical and preclinical Trials with dose escalation study to evaluate safety & efficacy of dual pharmacologically conditioned human and transplanted stems cells in myocardial infraction.	Extramural ICMR	Submitted	4,89,10,140
6	PI- Dr. Sanjay Kumar Collabrate- Dr. Rajiv Kumar	Therapeutic potential of exosomes derived from pharmacological precombined mesenchymal stem cells against Ischemic / Reperfusion Injury in myocardial Infraction.	Extramural ANRF ARG	Submitted	99,00,800

VI. Papers and Books/chapters published by the department:

VII. Thesis Supervised (MD/MS): Number: 02

1. A Comparative Study of the Efficacy of Fuji Uniblocker and the EZ Blocker for One Lung Ventilation in Adult Cardiothoracic Surgery: A Randomized Controlled Trial
2. Effect of Short-Term Yoga on Myocardial Protection in Patients Undergoing off Pump Coronary Artery Bypass Surgery: A randomised Controlled Study

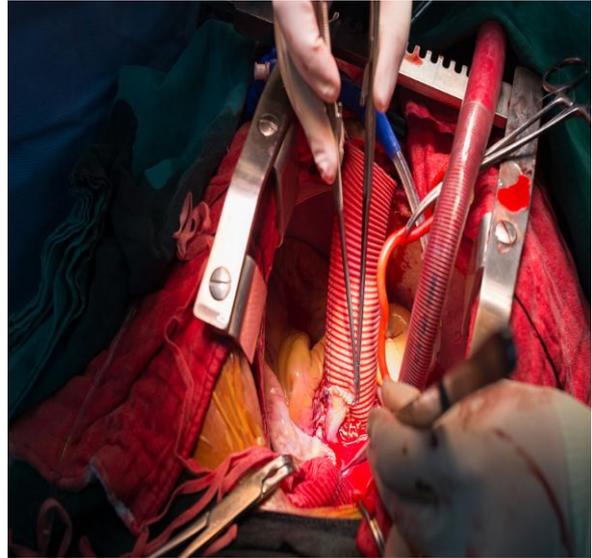
VIII. Other Notable Achievements (in numbers): *



LA Myxoma Removal



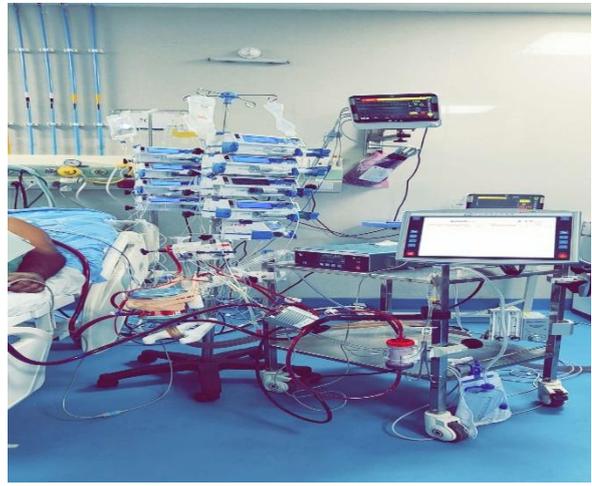
MID CABG



BENTALL'S PROCEDURE



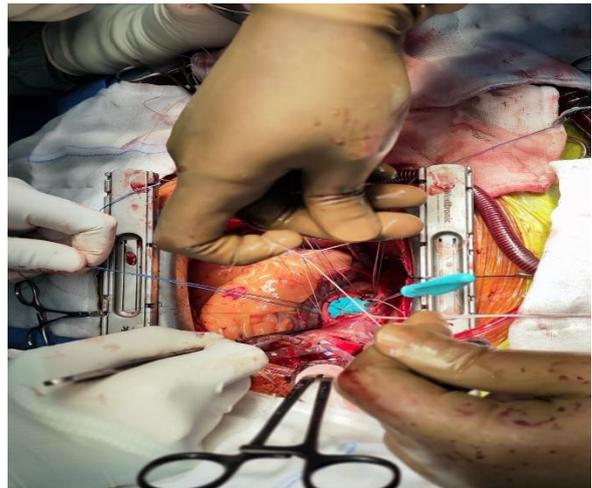
MITRAL VALVE REPLACEMENT



ECMO



Aortic Valve Replacement





DEPARTMENT OF COMMUNITY & FAMILY MEDICINE

Name of the Department	Community & Family Medicine
Head of the Department	Dr. Rakesh Kakkar

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Rakesh Kakkar	Professor & Head	28-12-2021
2.	Dr. Ramnika Aggarwal	Additional Professor	22-08-2019
3.	Dr. Pravin Pisudde	Additional Professor	21-10-2023
4.	Dr. Ankita Kankaria	Associate Professor	20-08-2019
5.	Dr. Madhur Verma	Associate Professor	14-08-2019
6.	Dr. Soumya Swaroop Sahoo	Associate Professor	20-08-2019

II. Brief Introduction of the Department:

Vision and Contributions:

Vision: The Department of Community and Family Medicine at AIIMS Bathinda strives to be a leader in public health by fostering healthier communities through innovative education, research, and equitable healthcare delivery as of March 2025.

Academic Contributions: Our robust curriculum integrates clinical practice with public health, training students to address healthcare challenges in rural and underserved areas of Punjab. We offer postgraduate programs in Community Medicine, emphasizing epidemiology, biostatistics, and Health System strengthening. Faculty research, including the National One Health for Prevention & Control of Zoonosis (NOHPCZ), Cancer screening and early diagnosis, and antimicrobial resistance studies, contributes to national health policies.

Patient-Related Services: We provide preventive care, chronic disease management, and immunization clinics, targeting vaccine-preventable diseases in children and adults. Community outreach includes health camps, awareness drives, and training for ASHA workers. As a Regional Coordinating Centre for NCDC, we support zoonotic disease surveillance and outbreak response, ensuring accessible, high-quality care to enhance regional health outcomes.

Our holistic approach empowers communities, improves quality of life, and strengthens public health infrastructure in Punjab.

III. Patient care Data

S. No	Category	Number
1.	Patients seen in OPD	RHTC: - 3158 IMMUNIZATION: 2134doses (pediatric & Adult) Yellow fever- 249 ARV doses-97
2.	Any other special clinic/activity	<ul style="list-style-type: none"> • Yellow Fever vaccination, Anti-Rabies immunization and all adult immunization services are available under one roof. • A Regional Center and Sentinel Surveillance site for One Health under the Prevention and Control of Zoonotic Diseases are established.



IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Rakesh Kakkar	‘Regional consultation for key stakeholders and networking partners’ with the aim ‘To develop a road map for effective implementation of tobacco control measures in India.	On 6- 8 th August 2024, at NAMS Delhi	by the resource centre for tobacco control, PGIMER, in collaboration with the National Academy of Medical Sciences
2	Dr. Rakesh Kakkar	Panellist in discussion, titled ‘Life Course Immunisation and Enabling Ecosystem: Policy, Practice and Implementation’.	March 21.	Organised by USISPF and SCOPE, alongside the Associations of Environmental and Occupational Health, Delhi and Haryana (IAOH Delhi and AEOHH)
3	Dr. Rakesh Kakkar	‘Chairman Scientific Committee’ and ‘Guest Speaker’ in MAPICON Bathinda 2024 as part of the 11th annual conference	26th to 29th September 2024	Association of Physicians of India (Malwa branch
4	Dr. Rakesh Kakkar	‘Chairman Scientific Committee’ ‘Guest Speaker’ ‘Panelist’ in Session on ‘Stress Management’ Organized ‘UG Quiz’ in MAPICON Bathinda 2024 as part of 11th annual conference of the Association of Physicians of India (Malwa branch) from 26th to 29th September 2024		
5	Dr. Rakesh Kakkar	Resource faculty in 1-day hands-on training workshop for ‘advancing skills in basic and advanced statistical analysis using SPSS’ jointly organised by the Central Library and the Department of Community and Family Medicine from 5th to 6th September 2024		
6	Dr. Rakesh Kakkar	Resource person in the 27th annual conference of North Zone chapter of		



		IAPSM, organised by Medical College and Hospital, Faridabad, Haryana, under the Ministry of Labour and Employment, Government of India, that is NZIAPSMCON 2024 from 14 to 15 September 2024		
7	Dr. Rakesh Kakkar	Participated in workshop conducting 'Research Renaissance', a part of Infused 2024, held at AIIMS Bhatinda from 16 to 18 October 2024		
8	Dr. Rakesh Kakkar	Participated as a 'Panellist' for the topic 'obesity epidemic strategies for a healthier future of our young generation in the 17th IAPSM on Punjab chapter on 25th and 26 th , 2024, Department of Community Medicine, AIMSR Bathinda		
9	Dr. Rakesh Kakkar	Organising Chairman in IMPACT 2024, i.e. Implementation Method for Practical Action and Collaborative Transformation – 3-day workshop from 25th to 27th November 2024 at AIIMS Bathinda, jointly organised by the CFM AIIMS Bathinda and the Division of Implementation Research, ICMR, New Delhi, for developing Implementation Research proposals.		
10	Dr. Rakesh Kakkar	'Chairperson' & 'Judge' in 17th IAPSMCON Punjab chapter with the theme 'From Bump to Birth and Beyond: Prioritising Maternal and Child health', October 25th and 26 th , 2024, by the Department of Community Medicine at AIMSR Bathinda (credited it with PMC hours)		
11	Dr. Rakesh Kakkar	Attended the meeting on 'Climate and health solutions India conclave' on 25th September 2024, Delhi		
12	Dr. Rakesh Kakkar	Organised a hands-on workshop for UG students 'INFUSE 2024' - 'Unlocking research to publication', a workshop for aspiring scholars on 17th October 2024		
13	Dr. Rakesh Kakkar	Resource faculty for the topic 'Nutraceuticals in NCD' in the second online National conference on nutrition and health, 1st October 2024		
14	Dr. Rakesh Kakkar	Attended workshop on 'Travel Health Clinic- Need of the hour' organised by Department of Community Medicine and Family Medicine, AIIMS Bhubaneshwar on 17th and 18th		



		February 2025		
15	Dr. Rakesh Kakkar	Participated as resource faculty in workshop on emerging and reemerging diseases conducted by the INER AIIMS Bathinda under the scheme for development of nursing services, Ministry of Health and Family Welfare, from 4th to 10th March 2025		
16	Dr. Rakesh Kakkar	Keynote address on 'Communication at workplace- an overview' in workshop under the scheme-development of nursing services, MoHFW, with the theme on 'Patient safety ensuring excellence, Preventing harm' on 17th to 23rd December 2024		
17	Dr. Rakesh Kakkar	Chairperson in National conference SPNCON2024 organised by INER AIIMS Bathinda under the aegis of Society of Perioperative Nursing (SPN) India from 18 to 19th May 2024 (awarded 10 credit points by PMC)		
18	Dr. Rakesh Kakkar	Key Speaker in a Webinar on "One Health Approach" - "Gaps in Implementation of One Health" in Webinar Series under the Training Committee of SASPI, which was held on the 24th of December 2024 (Online).		
19	Ramnika Aggarwal	Assessment of Geriatric Friendly Health Care Services preparedness to enhance Healthcare in Punjab	17 th IAPSMCON Punjab Chapter 2024	Adesh University Bathinda
	Dr Pravin Pisudde	Resource person Research Methodology Workshop on thesis Writing from 04-11-2024 to 08-11-2024 which is conducted by Research Advisory Committee, AIIMS, Bathinda.		AIIMS, Bathinda.
	Dr Pravin Pisudde	Speaker in pre-Conference workshop on Bibliometric Analysis	26 th Annual Joint State Conference of IAPSM Maharashtra Chapter & IPHA Maharashtra	Dr. Ulhas Patil Medical College and Hospital, Jalgaon Kh. On 16 th -18 th January 2025.
	Dr Pravin Pisudde	Resource person in 7-Day Workshop on Disaster Management: Preparedness and Response	INER, AIIMS Bathinda under the scheme Development	AIIMS Bathinda



			of Nursing Services from 13 th – 19 th Feb 2025	
	Dr Pravin Pisudde	Resource Faculty in Workshop Series Training The Trainer	CMET AIIMS Bathinda on 24 th - 25 th Feb 2025	AIIMS Bathinda
	Dr Pravin Pisudde	Participated as Delegate in on Breast Cancer Awareness	3 days CME Breast	The Department of Community and Family Medicine, General Surgery, Radiation Oncology, AIIMS Bathinda, ABS (UK), ABSI & Ambuja Foundation on 25 th -27 th Feb 2025.
	Dr Pravin Pisudde	Participated as Delegate	Workshop on Writing A Research Paper	AIIMS Bathinda dated 16 th March 2024.
	Dr Pravin Pisudde	Resource Faculty	Workshop on Basics of Medical Education	CMET AIIMS Bathinda on 18 th & 19 th March 2025.
	Dr Pravin Pisudde	Resource Faculty	Research Methodology Workshop on Thesis Writing	AIIMS Bathinda dated 17 th -22 nd March 2024.
20	Soumya Swaroop Sahoo	Participated as resource faculty in workshop on emerging and reemerging diseases conducted by the INER AIIMS Bathinda under the scheme for development of nursing services, Ministry of Health and Family Welfare, from 4th to 10th March 2025		AIIMS Bathinda
21	Soumya Swaroop Sahoo	Panellist on topic “Know your Lung function” on World COPD Day 20 th Nov 2024		AIIMS Bathinda
22	Soumya Swaroop Sahoo	Sampling in Statistics” in Clinical Trials & Cancer Statistics CME	48th ICRO Sun PG teaching program	AIIMS Bathinda

V. Lectures delivered/papers presented by the faculty members in academic programs

Dr. Ramnika Aggarwal: -



- Resource person for conducting 3-day training program on ‘Disaster Management Basic Training for Police and Civil Employees’ and presented Guest Lecture on the topic- ‘Strengthening Communities: The Role of Medical Response in Disaster’ – organized by Mahatma Gandhi State Institute of Public Administration, Chandigarh
- Participated as Faculty in a course on Health Policy Leadership & Management – a 20 hour module from 11Nov to 12 Dec 2024 by GRID Council
- Guest Lecture on ‘Risk factors and Preventive measures of COPD’ during CNE on ‘World COPD Day 2024’
- Guest Lecture on ‘First aid and Emergency care’ during orientation of MBBS students
- Guest Lecture on Session on ‘Importance of Research and Key Methodologies for Conducting Research’ during ‘Research Renaissance’ workshop

VI. Faculty achievements –awards, honours etc

Number of Awards Received (only from registered professional organization of national and international repute) *

Number of Recognition Received (only from registered professional organization of national and international repute)*

SI No	Name of faculty	Award/honour	Organised by
1	Dr Rakesh Kakkar	Oration in the 27th annual conference of North Zone chapter of IAPSM, organised by Medical College and Hospital, Faridabad, Haryana, under the Ministry of Labour and Employment, Government of India, that is NZIAPSMCON 2024 from 14 to 15 September 2024	
		National IAPSM World Health Day Quiz 2024 – UGs have won 1 st prize in state competition	
2	Dr Pravin Pisudde	Post Graduate Diploma in Management – Public Health Nutrition	NIHFW, New Delhi
3	Dr Soumya Swaroop Sahoo	Nominated as Academic Editor as a part of Editorial Board: BMC Public Health	

VII. Research activities undertaken in the department:

Number of **Project Submitted** with the name of Funding Agency*: - - 1 in ICMR, 1 in STS

Number of **Project undergoing** with the name of Funding Agency*

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Rakesh Kakkar	Completed as Principal Investigator in Johns Hopkins Bloomberg School of Public Health: Health Harms Among Beedi Rollers in India, involving five states across India- Multi-institutional Project	Johns Hopkins Bloomberg School of Public Health	Completed	1, 25,00,000
2	Dr. Rakesh Kakkar	National One Health Programme for Prevention and Control	NCDC New Delhi	Ongoing	87,20,500



		of Zoonoses			
3	Dr. Rakesh Kakkar	Community based HOCPR project (2023 - 26)	American Heart Association	Ongoing	11,00,000
4	Dr. Rakesh Kakkar	Research study on Assessment of individual and health system factors for cardiovascular disease risk reduction at diverse regions and facilities in India - A cross-sectional study, ICMR-funded study for the Centre for Advanced Research under the extramural programme in collaboration with St. John Medical College and Research Institute, Bangalore.	ICMR	Completed	
5	Dr. Rakesh Kakkar	Completed- Feasibility Study on Introduction of 'Mathru Samman Pant' to increase client satisfaction in labour room".	ICMR, New Delhi		8,00,000
6	Dr. Rakesh Kakkar	Ongoing- NHRP Project entitled "Implementation Research to Enhance Screening, Early Diagnosis, and Initiation of Treatment for Oral, Breast and Cervical Cancer in Selected Districts of India"			
7	Dr Madhur Verma	Preparedness of the schools to tackle childhood obesity in Punjab -A concurrent mixed method exploratory survey.	DHR Punjab		277000
8	Dr Madhur Verma	Trends and patterns in the epidemiology, risk factors, and impact of T2DM on premature morbidity and mortality rates in India- a secondary data analysis using national	RSSDI		4,87,000



		datasets			
9	Dr. Rakesh Kakkar	Non-communicable Disease Services in the Health Facilities of Employees' State Insurance Corporation in India – A Situational Analysis (Site PI)	WHO India Country Office		1,00,000
10	Dr Ankita Kankaria Dr Soumya Swaroop Sahoo	Implementation Research to Enhance Screening, Early Diagnosis and Initiation of Treatment for Oral, Breast and Cervical cancer in Selected Districts of India	ICMR	Ongoing	1.02 crores
Projects submitted					
1	Dr Ramnika Aggarwal, Additional Professor	Improving Early Detection of Tuberculosis in Malwa region of Punjab: A Participatory Implementation Research Model	Extramural	Proposal submitted	2 cr

VIII. Papers and Books/chapters published by the department:

Detail of Paper published with indexing database*

1. Rao CR, Kamath VG, Nadda A, Parida SP, Sharma N, Goel K, Shetty RS, **Verma M**, Singh AK, Mishra A, Kiran S. IAPSM's Position Paper on Pneumococcal Vaccine (PCV) for Adult Immunization in India. Indian Journal of Community Medicine. 2024 Dec 1;49(Suppl 2): S132-8.
2. Goel K, **Verma M**, Sharma N, Parida SP, Bhardwaj A, Nadda A, Sharma S, Sen A, John J, Bansal A, Gupta M. IAPSM's Position Paper on Typhoid Vaccines for Adult Immunization in India. Indian Journal of Community Medicine. 2024 Dec 1;49(Suppl 2): S139-45.
3. Sharma N, **Verma M**, Goel K, Kulkarni MM, Bhardwaj A, Sharma S, Singh T, Gupta M, Nadda A, Sankhe LR. IAPSM's Position Paper on Influenza Vaccines for Adult Immunization in India. Indian Journal of Community Medicine. 2024 Dec 1;49(Suppl 2): S146-52.
4. Kamble SN, Gohil D, **Pisudde PM**, Telang-Chaudhari S, Baxi GD, Palekar TJ. Immediate Effect of Ultrasound-Guided Dry Needling on Soleus Muscle Spasticity in Stroke Survivors. Cureus. 2024 Jun 12;16(6).
5. Goyal LD, Garg P, **Kankaria A**, Kaur N. The current status of cervical cancer awareness and HPV Vaccination among rural women of India: An impediment to the WHO cervical cancer elimination initiative. Journal of Cancer Research and Therapeutics. 2025 Jan 1;21(1): 57-63.
6. Duggal M, **Kankaria A**, Rohilla L, Jindal H, Jamir L, Gupta PC, Sarkar D, Miglani V, Kumar A, Sharma D, Dahiya N. Vision-related Quality of Life (VRQOL) and its determinants among the Elderly in rural blocks of Haryana, India. Clinical Epidemiology and Global Health. 2025 Jan 1;31: 101865.
7. Nimesh A, Goyal G, **Aggarwal R**. Evaluating the Effectiveness of Jigsaw-Based Learning in Medical Education: Students' Perceptions and Feedback. Cureus. 2025 Jan 9;17(1).



8. Aggarwal R, Garg P, Verma M. et al. Decadal trends in the exclusive breastfeeding practices among working Indian mothers: a multi-level analysis. *Int Breastfeed J.* 2024, 19: 83.
9. Garg P, Krishnamoorthy Y, Halder P, Rajaa S, **Verma M**, **Kankaria A**, Goel A, Kakkar R. Urban-rural disparities in cervical cancer screening among Indian women between 30–49 years: a geospatial and decomposition analysis using a nationally representative survey. *BMC cancer.* 2025 Jan 11;25(1): 67.
10. Sai Sushma K, Kumar S, Gujjarlapudi C, Bodhi Srividya V, **Verma M**, Nagamani NG, Jothula KY, Jaswal N, Goel S. Unhealthy behaviours associated with uncontrolled hypertension among adults in India-Insights from a national survey. *PloS one.* 2025 Jan 17;20(1): e0310099.
11. **Verma M**, Sidana S, Kumar P, Singh O, Esht V, Balasubramanian K, Kapoor N, Kakkar R, Kalra S. Distress and coping mechanisms among people with diabetes: cross-sectional assessment from an NCD screening clinic of a tertiary care hospital in North India. *Diabetology & Metabolic Syndrome.* 2025 Jan 25;17(1): 34.
12. Goel S, **Verma M**, Mohapatra A, Popovic S. Raising awareness around trends in noncommunicable diseases and their risk factors to promote global prevention and control. *Frontiers in Public Health.* 2025 Jan 28; 13: 1553630.
13. **Verma M**, Mirza M, Sayal K, Shenoy S, **Sahoo SS**, Goel A, Kakkar R. Leveraging artificial intelligence to promote COVID-19 appropriate behaviour in a healthcare institution from north India: A feasibility study. *The Indian Journal of Medical Research.* 2025 Feb 14;161(1): 81.
14. Khaira HK, Kochhar S, Aneja J, **Verma M**, Rajendran R, Thind A. Association of chronotype pattern on the quality of sleep and anxiety among medical undergraduates—a cross-sectional study. *International Journal of Adolescent Medicine and Health.* 2025 Feb 25;37(1): 53-8.
15. Bajaj S, **Verma M**, Sharma HB, Ramaiya K, Bahendeka S, Kalra S. Southeast Asian, African, and Middle East Expert Consensus on Structured Physical Activity—Dance, Exercise, and Sports. *Advances in Therapy.* 2025 Feb 28: 1-24.
16. Chauhan A, Duggal M, **Kankaria A**, Gupta V, Dhiman S, Singh M, Tigari B, Bhadada S, Vale L. Exploring patient and health care provider perspectives on barriers to diabetic retinopathy screening in public health facilities in North India. *Scientific reports.* 2025 Mar 10;15(1): 8251.
17. Reddy V, Sirisha P, Patil A, Tandon D, **Verma M**, Gupta P, **Kakkar R**, Pala S, Shullai WK, SIRISHA P. Assessing the Feasibility of Introducing Maathru Samman Pants in Labor Rooms to Improve Comfort and Satisfaction in Pregnant Women and Their Birth Companions in India: A Multicentric, Cross-Sectional Study. *Cureus.* 2025 Mar 13;17(3).
18. Bhattacharjee S, Mothsara C, Shafiq N, Panda PK, Rohilla R, Kaore SN, Kumar D, Gupta S, Singh P, Trivedi N, Khadanga S. Antimicrobial prescription patterns in tertiary care centres in India: a multicentric point prevalence survey. *EClinicalMedicine.* 2025 Apr 1;82.
19. **Verma M**, Kishore K, Parija PP, **Sahoo SS**, Gambhir D, Gupta U, Kakkar R. Investigating Google Trends to forecast acute febrile illness outbreaks in North India reported through the Integrated Disease Surveillance Program. *BMC Infectious Diseases.* 2025 Mar 28; 25(1): 431.
20. Pal M, Bekele A, Rebuma T, Zende R, Nair A, **Aggarwal R**. The Silent Culprit: Aflatoxin Contamination in Dairy Products and Its Serious Impact on Human Health.
21. Mirza M, **Verma M**, Aggarwal A, Satpathy S, **Sahoo SS**, Kakkar R. Indian Model of Integrated Healthcare (IMIH): a conceptual framework for a coordinated referral system in resource-constrained settings. *BMC Health Services Research.* 2024 Jan 9;24(1): 42.



22. **Verma M**, Kishore K, Parija PP, **Sahoo SS**, Gambhir D, Gupta U, Kakkar R. Investigating Google Trends to forecast acute febrile illness outbreaks in North India reported through the Integrated Disease Surveillance Program. BMC Infectious Diseases. 2025 Mar 28;25(1): 431.
23. Vennam BS, Kuppli SS, Kumar Bora J, **Sahoo SS**, Gujjarlapudi C, Bhimarasetty DM, et al. Socioeconomic and behavioral factors of hypertension among Indian tribal population: Evidence from national family health survey 5. PloS one. 2024 Dec 27;19(12): e0312729.
24. Panda UK, **Sahoo SS**, Samantaray S. Harm reduction approach for tuberculosis and substance use disorders: A review of approaches and implications in the Indian context. Indian Journal of Tuberculosis. 2024 Apr 1;71(2): 219-24.
25. Sahoo DP, **Sahoo SS**, Nirala SK, Rath RS, Agarwal N, Panda M, et al. Validation of the Indian (Hindi) version of the life-space assessment scale among community-dwelling older adults: a multicentric cross-sectional study. BMC geriatrics. 2024 Jun 6;24(1): 500.
26. Kaur N, Kaur A, Singh P, Kaur H, Peer S, **Sahoo SS**. Pulmonary mucormycosis as a presentation of COVID 19: Case series. Indian Journal of Tuberculosis. 2024 Jul 1;71(3): 366-9.
27. Panda UK, Ra D, **Sahoo SS**, Kakkar R, Singh J. Interplay between tuberculosis, mental illness, and treatment compliance: An integrative literature review. Indian Journal of Tuberculosis. 2024 Jul 1;71(3): 353-7.
28. **Verma M**, Mirza M, Sayal K, Shenoy S, **Sahoo SS**, Goel A, Kakkar R. Leveraging artificial intelligence to promote COVID-19 appropriate behaviour in a healthcare institution from north India: A feasibility study. INDIAN J MED RES. 2025 Jan.

Detail of Book published with indexing database*

- Contributed a chapter entitled 'Public health and socioeconomic perspective of pollution in India' in a book on 'Pollution and health' by the Association of Physicians of India, Malwa branch, and the Physician Research Foundation of the Association of Physicians of India.
- Editor and Author in the 3rd edition of IAPSM's Textbook of Community Medicine. India: Jaypee; 2021-25
- **Sahoo SS**. National Program on Palliative Care. In book IAPSM Textbook on Health Programs and Policies in a nutshell. Jaypee Publishers. 1st ed. 332-338

S.no	Research papers	Book/Book chapter	i10 index*	h index*
Dr. Rakesh Kakkar	2	7	35	17
Dr. Ramnika Aggarwal	3	-	6	8
Dr. Pravin Pisudde	2	-	6	6
Dr. Ankita Kankaria	5	-	12	12
Dr. Madhur Verma	20	3	52	25
Dr. Soumya Swaroop Sahoo	13	1	41	23

V. Key Highlights and Departmental Activities:

DR. Rakesh kakkar

1. Organized 'AIIMS Preventive Oncology- ECHO Programme' ten-session module on 'Awareness and early detection of preventive cancers' community health officers.
2. Organized 'Research Grant' workshop as Research Advisory Committee Member
3. Organized as a member of the Research Methodology Workshop on Thesis Writing organized by the Research Advisory Committee AIIMS Bathinda from 13th-19th September 2023 and 17-22 March 2024



4. Organized World Health Day Quiz as IAPSM Nodal Officer on the occasion of World Health Day (5th and 10th April 2023)

Dr. Ramnika Aggarwal

- Resource person for conducting 3-day training program on 'Disaster Management Basic Training for Police and Civil Employees' and presented an interactive session on the topic- 'Strengthening Communities: The Role of Medical Response in Disaster' – organized by Mahatma Gandhi State Institute of Public Administration, Chandigarh – 17- 19 March 2025
- Participated as Faculty in a course on Health Policy Leadership & Management – a 20 hour module from 11Nov to 12 Dec 2024 by GRID Council
- Jury member - Essay competition on Family Adoption Program conducted by UG Medical Education Board of NMC and IAPSM - July-Aug 2024
- Organising Secretary – National Nutrition Week (1-7 Sept 2024)
 - MasterChef Hostel Edition - No Fire Feast: Hands-on Activity on 'Cooking without Fire'
 - Awareness activity (Health talk and Role play) in UTHC & RTHC, School on the theme 'Feeding Smart right from Start' and in AIIMS OPD reception area- Health talk for patients and street play
- Organizing Committee member
 - Celebration of 'International YOGA Week'
 - World Meditation Day on the theme 'Inner peace, Global harmony'
 - 'IMPACT-2024'- Hands-on workshop for developing Implementation Research Proposals
- Resource speaker on various topics-
 - Risk factors and Preventive measures of COPD' during CNE on 'World COPD Day 2024'
 - First aid and Emergency care' during orientation of MBBS students-
 - Session on 'Importance of Research and Key Methodologies for Conducting Research' during 'Research Renaissance' workshop.
- Public awareness activities and Camps organised:
 - NCD screening camp – Bangi Nagar
 - Hands-only CPR sessions for common people of Bathinda district – Adesh Medical University, Civil Hospital-GNM college, School students, common people
 - Yoga Day Camp- Community Awareness at UTHC-20.6.24 and RTHC, Badal
 - World No-Tobacco Day: Community Awareness & tobacco counselling session RHTC
 - Facilitated awareness activity on Eye donation at RHTC Badal
 - Sensitization session on 'World Tuberculosis Day' in RHTC OPD & Amarpura basti
 - Community Awareness activities during Breastfeeding week at RHTC& UHTC
 - World Hepatitis Day camp- 26.7.24
 - World Diabetes Day – Role-play among OPD patients at UHTC, Lal Singh Basti
 - Dengue day: Sanitation drive in Lal Singh Basti field practice area/Amarpura basti
 - Active participation in '100 days campaign in TB Mukht Abhiyan' –
 - Developed Pamphlets in Punjabi language on – Preventable cancers, Breast cancer-SBE

Dr Soumya Swaroop Sahoo:

- Resource Faculty in Research Methodology Workshop, AIIMS Bathinda, UG Orientation Program, Development of Nursing Services organized by INER, AIIMS Bathinda, Implementation Methods for Practical Action and Collaborative Transformation (IMPACT 2024)
- Organizing team member of the workshop Strengthening Response capacities: A workshop on Zoonotic Disease Prevention and Management Feb 2025
- Thesis grant received under ICMR DHS scheme for the thesis "Assessment of Health System Preparedness for zoonotic diseases under One Health Program in district Bathinda:



A mixed method study”

- Guided student dissertation under NIHFW PG Diploma in Applied Epidemiology (PGDMAE- 2023-24) titled “Study on Screening, Diagnosis, Treatment and Continuum of Care for mental health services in Government health facilities of Raipur, Chhattisgarh, India”
- Resource person for 48th ICRO Sun PG teaching program on the topic “Sampling in Statistics” in Clinical Trials & Cancer Statistics CME at AIIMS, Bathinda (October 2024)
- Collaborated and trained during Primary Palliative Care training for Community Medicine Physicians (IAPSM and IAPC collaboration)
- Member of State Surveillance team for HIV and Trained as Master trainer in HIV Sentinel Workshop held at PGI Chandigarh (6th- 8th Nov 2024)
- Organized the UG Quiz at MAPICON 2024, AIIMS Bathinda as the quiz master
- Session on “Navigating Peer review process” in UG academic conference INFUSE 2024 dated 17/10/2024
- Jury member - Family Adoption Program conducted by UG Medical Education Board of NMC and IAPSM - July-Aug 2024

VI. Thesis Supervised (MD/MS): *

- Dr. Rakesh Kakkar: Two
- Dr. Ramnika Aggarwal: -One
- Dr Pravin Pisudde: -One
- Dr. Madhur Verma: - One
- Dr Soumya Swaroop Sahoo- Four (as Co -uide)
- Dr Ankita Kankaria- One (co-guide)

S. No.	Ph.D/MD/MS/ICMR STS	Guide/Co-guide	Title of thesis /dissertation/Project
1.	MD	Guide- Dr. Ramnika Aggarwal Co-Guide- Dr. Madhur Verma	Assessment of the public health system preparedness to provide geriatric friendly health care services in Punjab: A mixed method study
5	MD	Guide -Dr Rakesh Kakkar Co- Guide -(Dr Ankita)	Identification of people with diabetes at risk of developing Latent Autoimmune Diabetes in Adults and study its determinants: a cross-sectional study from North India

VII. Other Notable Achievements (in numbers): *

- Established *Regional centre and Sentinel surveillance site* under Prevention and Control of Zoonotic Diseases, NCDC, New Delhi
- Editorial Board member of the Indian Journal of Community Health, an official national publication of IAPSM
- Editor and Author of the 3rd edition of IAPSM's Textbook of Community Medicine. India: Jaypee; 2025
- Working as Chairman of the Central Library Committee, organized several training sessions, workshops for faculty, undergraduate and postgraduate students, and several initiatives to enhance ease of access and increase utilization of library resources.
- Working as OIC, Institutional Procurement Committee. Worked on enhancing the faster processing and procurement of goods and services.
- Chairman of Institutional Annual Report Committee 2023-24
- Member of Research Advisory Committee 2022-24



- Coordinator of a Tobacco Consumption Control Committee at AIIMS, Bathinda
- Member of Operational Research NTEP Punjab
- Nodal Person (Public Health) NTEP AIIMS Bathinda

Dr Pravin Pisudde

- Chairperson of committee for ascertaining whether the requirement for works received from various departments of the Institute in the Department of Engineering is actually needed/ required/ genuine and whether the work should be undertaken under GFR 155:
- Member of Centre for Medical Education and Technology (CMET) in AIIMS Bathinda
- Appointed as a Transparency Officer at AIIMS Bathinda
- Chairperson of Verification Committee for selection of Senior Nursing Officer.
- Practical File preparation: updating Practical note-book & Family study manual
- Prepare Question paper for INER professional exams on
- Awareness sessions on National Health Programs - National Nutrition week, World Yogaday, World Hepatitis day, World Environment Day, World Cancer Day, Breast-feeding week, Dengue day
- Submitted Research Projects at ePMSportal of ICMR, and STS

Dr Soumya Swaroop Sahoo:

- Member of Academic Cell as MBBS coordinator, AIIMS Bathinda
- Alternative Member Secretary, Research Advisory Committee for Thesis and STS Projects
- Member, Research Advisory Committee
- Coordinator of NTEP Core Committee, and TB-HIV program coordinator, AIIMS Bathinda
- Assistant Hostel Superintendent, UG Boy's Hostel (Till 12th May, 2024)
- Member Secretary, Reservation Roster Committee
- Member Organizing Committee for Convocation Ceremony 2025
- Faculty I/C Surgical Store
- Organizing Team Member, PG Research Methodology Workshop
- Co- In charge, Transport Wing









DEPARTMENT OF DERMATOLOGY

Name of the Department	DERMATOLOGY
Head of the Department	Dr Shivani Bansal

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Shivani Bansal	Assistant Professor	01.04.2022
2.	Dr Kavita Poonia	Assistant Professor	30.05.2022
3.	Dr Vishal Thakur	Assistant Professor	09.02.2024

II. Brief Introduction of the department:

1. Department vision:
 - a. To provide high-standard, ethical, affordable, personalized, and compassionate health care to patients suffering from skin diseases. Also to spread awareness about common skin disorders and to reduce stigma regarding various treatable skin and venereal disorders, for example, leprosy, vitiligo, HIV, syphilis etc.
 - b. Clinical – Further expansion of IPD, side lab facility, special clinics, and dermatosurgical services
 - c. Equipment – Lasers: CO2 laser, Nd: YAG laser, Diode Laser, Excimer Laser, Whole Body phototherapy,
2. Academics: Undergraduate clinical and theory classes are being conducted as per schedule. A postgraduate course has been started in the department from January 2022. Teaching schedule of PG includes: Seminars, journal club, clinical case discussion and spotters once per week, Academic ward rounds, conducting internal assessment exam every 6 months, Clinico-pathological teaching activities: in collaboration with the pathology department
3. **Patient-related services provided in the department:**
 - a. Daily General OPD, IPD, and special clinics
 - b. Procedures offered by the department includes: Intralesional injections, skin biopsies, electrocautery, radiofrequency ablation, chemical peeling and cautery, microneedling, platelet rich plasma therapy, mole excision, cyst excision, keloid surgeries, comedone extraction, corn enucleation, paring, cryosurgery, dermoscopy, trichoscopy, patch testing, wood's lamp examination acne scar surgeries, nail surgeries, vitiligo surgeries, full body phototherapy.

III. Patient care Data:

For Clinical departments:

SI No	Category	Number
1.	Patients seen in OPD	35929
2.	Patients admitted in IPD	361
3.	Teleconsultations	27
4.	Procedures performed	
	A. Major	341
	B. Minor	4016
5.	Any other special clinic/activity	729

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute



Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Vishal Thakur	Dermal compartment in vitiligo and its therapeutic implications (Lecture)	33rd Congress of the European Academy of Dermatology and Venereology, Amsterdam, Netherlands 25-28 September 2024	European Academy of Dermatology and Venereology
2	Dr. Vishal Thakur	Acquired macular hypomelanosis of lower lip: A new entity (poster)	33rd Congress of the European Academy of Dermatology and Venereology, Amsterdam, Netherlands 25-28 September 2024	European Academy of Dermatology and Venereology
National conferences				
1.	Dr Shivani Bansal	Biomarkers of activity in vitiligo	IADVL Vitiligo National E-symposium	Vitiligo task force and SIG Pigmentary
2.	Dr Shivani Bansal	Practical Approach to Facial Pigmentation	Dermazone North, 4-6 th Oct 2024, New Delhi	IADVL-DSB
3.	Dr Shivani Bansal	Chairperson	50 th Cuticon (State), 16 th -17 th November 2024	IADVL – Punjab HP Chandigarh
4.	Dr Shivani Bansal	Management of urticaria	Urticaria CME, Amritsar, Punjab on 25 th August, 2024	IADVL – Punjab HP Chandigarh
5.	Dr Shivani Bansal	Approach to ADMH	SIG Pigmentary CME on 8 th September, 2024	SIG Pigmentary
6.	Dr Shivani Bansal	Dermoscopy of inflammatory skin conditions	SIG Dermoscopy CME 4 th May 2024 at Faridkot	SIG Dermoscopy
7.	Dr Kavita Poonia	Panelist- Dermoscopy of interesting cases	SIG Dermoscopy CME 4 th May 2024 at Faridkot	SIG Dermoscopy
8.	Dr. Vishal Thakur	Panelist- For a better surgical outcome: tips and tricks	Vitiligo Day Online CME, June 2024	IADVL and SIG pigmentary and Vitiligo Task Force
9.	Dr. Vishal Thakur	Sunscreens in Children	Annual Conference of Indian Society of Pediatric Dermatology, 2024 Chennai, India; August 2024	Indian Society of Paediatric Dermatology
10.	Dr. Vishal Thakur	Panelist- Case based Panel Discussion on Inborn Errors of Immunity	Annual Conference of Indian Society of Pediatric Dermatology, 2024 Chennai, India; August 2024	Indian Society of Paediatric Dermatology
11.	Dr. Vishal Thakur	Vaccination should be rigorously followed in each immunocompromised patient	International Pemphigus & Pemphigoid Conference, Chandigarh; November 2024	IPPF and AIBD Task Force of EADV

V. Faculty achievements –awards, honours etc



Number of Awards Received (only from registered professional organization of national and international repute) * - 2

SI No	Name of faculty	Award/honour	Event	Organised by
1.	Dr.Vishal Thakur	IADVL scholarship	33rd Congress of the European Academy of Dermatology and Venereology at Amsterdam	European Academy of Dermatology and Venereology
2.	Dr. Vishal Thakur	Prof. Dr. HEMANGI JERAJANI AWARD for Best original Article published in IDOJ	Dermacon 2024-25, Jaipur; February 2025	Indian Association of Dermatologists, venereologists and Leprologists

VI. Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency with amount- 1

Number of **Project undergoing** with the name of Funding Agency- 1

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Vishal Thakur, Assistant Professor	A multi-centre cross-sectional comparative study to evaluate the serum and tissue levels of adiponectin in patients with vitiligo	Extramural Funded Funding Agency- IADVL	Ongoing	5,80,388/-
2	Dr Kavita Poonia Assistant Professor	Evaluation of the nailfold capillaroscopic findings in the patients of psoriasis at baseline and psoriasis area severity index 75 after methotrexate therapy - A prospective observational study	ICMR-STC	ongoing	100,000
Projects Submitted					
3	Dr Shivani Bansal Assistant Professor	Evaluation of hair follicle and serum oxidative stress in patients with premature grey hair – a pilot study	Intramural	submitted	464000

VII. Papers and Books/chapters published by the department:

1. Sardana K, Srinivasan CR, Girdhar M, Hazarika N, Patel K, Rao N Jain A, Sandhu J, **Bansal S**, Ghate S, Haq R, Agarwal DP. Analyzing the clinical efficacy and safety of levocetirizine based on its receptor occupancy, intraclass comparison and role in the treatment of CSU: an AROG consensus statement. Expert Rev Clin Pharmacol. 2024 Sep 12: 1-15.



2. Sushama; **Poonia, Kavita**; Soni, Ankita¹; **Bansal, Shivani**. Multiple Vascular Papular Lesions on Left Sole. Indian Journal of Dermatology (): 10.4103/ijd.ijd_122_24, November 15, 2024.
3. Kapatia G, Jindal A, **Bansal S**, Rana MK. Verrucous outgrowth on scalp. CosmoDerma. 2024; 4: 93.
4. Sidana, Shivani; Kaur, Navdeep¹; Bhardwaj, Naveen Kumar²; **Bansal, Shivani³**; Mittal, Paras. Congenital hypothyroidism and nephrocalcinosis—An uncommon association. IJEM Case Reports 2(2): p 50-53, April-June 2024.
5. **Bansal S**, Kaur H, Chojer P. Ultrasound Guided Intramatrix Injection - A Novel Technique. Indian Dermatol Online J. 2024 Jul 22;15(5): 898-899.
6. Sushama S, **Bansal S**, **Poonia K**. Dermatoscopy of pigmentary changes in systemic sclerosis. Australas J Dermatol. 2024 Sep;65(6): e171- e175. (Corresponding Author)
7. Goyal P, **Bansal S**, Kapatia G. Asymptomatic Nodule Over the Scalp. Indian Dermatol Online J. 2024 Apr 23;15(3): 566- 567. (Corresponding Author)
8. **Thakur V**, Karadia P, **Bansal S**. Bathing Suit Ichthyosis. Indian J Paed Dermatol 25(4): p 343, Oct– Dec 2024.(Corresponding Author)
9. Goyal L, **Bansal S**, Ernakulum A, Rana MK. Plasma Cell Gingivitis With Plasma Cell Cheilitis: A Diagnostic Challenge. Compend Contin Educ Dent. 2024 Nov-Dec;45(10): e1-e4.(Corresponding Author)
10. Gupta P, **Thakur V**, Behera B. Multiple nodular swellings with gingival hyperplasia and joint contractures. Pediatr Dermatol.2024 Mar-Apr;41(2): 336-338. PMID: 38014603.
11. Gowda SK, Errichetti E, **Thakur V**, Panda M, Dash S, Agarwal A, Sethy M, Ayyanar P, Behera B. Trichoscopic Features of Scalp Discoid Lupus Erythematosus versus Lichen Planopilaris: A Systematic Review. Clin Cosmet Investig Dermatol. 2024; 17: 805-827. PMID: 38616887.
12. Behera B, **Thakur V**, Sethy M, Ayyanar P, Garg S. COVID-19 Vaccine-Induced Erysipelas-Like Eruption. Indian J Dermatol. 2024 Mar-Apr;69(2): 204. PMID: 38841240.
13. Gowda SK, Baskaran N, Behera B, Ayyanar P, Vinay K, **Thakur V**. Reticulate scleroderoid pigmentation in Hutchinson-Gilford progeria syndrome - A report of two cases. Indian J Dermatol Venereol Leprol. 2024 May 25;1-3. PMID: 38841925. (Corresponding Author)
14. Gupta P, Sethy M, **Thakur V**. Annular syphilis: atypical secondary syphilis. QJM. 2024 Jun 4;117(5): 364-365. PMID: 38085251. (Corresponding Author)
15. **Thakur V**, Narang T, Bishnoi A, Dhawan G, Sharma A, Saikia UN, Razmi TM, Dogra S, Handa S, Modi M. Changes in the Cutaneous Nerve Fiber Staining and Distribution of PGP9.5 in Clinically Uninvolved Skin in Leprosy Patients after Completion of Multidrug Therapy and Assessing PGP9.5 as a Marker of Treatment Response. Indian Dermatol Online J.2024 Jul-Aug;15(4): 599-604. PMID: 39050073.
16. Gupta P, Garg S, Sethy M, Behera B, **Thakur V**. A Solitary Firm Nodule Over Back. Indian Dermatol Online J. 2024 Jul-Aug;15(4): 652-654 PMID: 39050056. (Corresponding Author)
17. Kaur M, Kumar A, Kaur S, Nagar PK, Nagi M, **Thakur V**, Khan R. Adverse Effects of Personal Protective Equipment and Their Self-Practiced Preventive Strategies among the Covid-19 Frontline Health Care Workers. Hosp Top. 2024 Jul-Sep;102(3): 152-163. PMID: 35983853.
18. Gowda SK, Behera B, **Thakur V**, Sahu DK, Ayyanar P, Sethy M. Agminated pigmented papules on the face: A rare presentation of neurofibroma. Indian J Dermatol Venereol Leprol. 2024 Jul 3;: 1-3. PMID: 39152855.
19. Gowda SK, Garg S, Khajjayam A, Sahu SK, Kaur M, Patra S, Behera B, **Thakur V**. Superior mesenteric artery syndrome - An unusual presentation associated with diffuse cutaneous systemic sclerosis in two cases. Indian J Dermatol Venereol Leprol. 2024 Jul 19;: 1-3. PMID: 39152842. (Corresponding Author)
20. Gowda SK, Garg S, Behera B, Priyadharsan B, **Thakur V**.Hereditary Sensory and Autonomic Neuropathy-Report of Two Cases in Siblings and Review of Literature. Indian J Dermatol. 2024 Jul-Aug;69(4): 366. PMID: 39296690. (Corresponding Author)
21. Gupta P, Sangwan P, Ayyanar P, Behera B, **Thakur V**. A Solitary Firm Nodule Over Cheek. Indian Dermatol Online J.2024 Sep-Oct;15(5): 904-905. PMID: 39359302. (Corresponding Author)



22. Gowda SK, Aggarwal A, **Thakur V**, Behera B, Garg S, Sethy M, Ayyanar P. Tofacitinib in Pediatric Alopecia Areata Totalis and Alopecia Universalis: A Retrospective Analysis From India. *J Cutan Med Surg.* 2024 Sep-Oct;28(5): 497-502. PMID: 39056399.
23. Gupta P, Behera B, Sethy M, **Thakur V**. Extensive Lupus Vulgaris Mimicking Chromoblastomycosis. *Am J Trop Med Hyg.* 2024 Sep 4;111(3): 452. PMID: 38955167. (Corresponding Author)
24. Gowda SK, Behera B, **Thakur V**, Garg S, Ayyanar P, Sethy M. Primary urogenital tuberculosis with papulonecrotic tuberculid. *Int J Dermatol.* 2024 Sep 11. PMID: 39258817.
25. Gupta P, Sangwan P, Das PK, Sethy M, Behera B, **Thakur V**. Palmoplantar Keratoderma in a Patient of Chronic Myeloid Leukemia on Dasatinib. *Indian J Hematol Blood Transfus.* 2024 Oct;40(4): 728-729. PMID: 39469164. (Corresponding Author)
26. Aparna JN, Ayyanar P, Sethy M, **Thakur V**, Behera B. Penile Bowen Disease-Associated Secondary Cutaneous Amyloidosis - A Rare Case With Review. *Am J Dermatopathol.* 2024 Oct 1;46(10): 718-719. PMID: 38842350.
27. K S, **Thakur V**, Sethy M, Sahu DK, Behera B. Linear indurated plaque over the neck. *Int J Dermatol.* 2024 Oct;63(10): 1366-1368. PMID: 38615334.
28. Gowda SK, Garg S, Behera B, **Thakur V**, Sahu DK. Mimickers of erysipelas and cellulitis: A narrative review. *Indian J Dermatol Venereol Leprol.* 2024 Oct 8;; 1-10. PMID: 39508653.
29. Gowda SK, Behera B, **Thakur V**. Disseminated Spina Ventosa in an Immunocompetent Young Girl. *Indian Dermatol Online J.* 2024 Nov-Dec;15(6): 1067-1068. PMID: 39640468. (Corresponding Author)
30. De D, Baskaran N, **Thakur V**, Hanumanthu VH, Bakshi S, Bhandari S, Katoch D, Handa S. A Clinicodemographic Study of Indian Patients with Hidradenitis Suppurativa and its Association with Metabolic Syndrome. *Indian Dermatol Online J.* 2024 Nov-Dec;15(6): 963-970. PMID: 39640442.
31. Behera B, Garg S, **Thakur V**, Gowda SK, Sangwan P. Dermoscopic features of the normal vermilion in skin of colour. *Australas J Dermatol.* 2024 Nov;65(7): 593-595. PMID: 38887103.
32. Gowda SK, **Thakur V**, Behera B, Garg S, Sahu DK, Sethy M, Ayyanar P. The efficacy and safety of oral tofacitinib in oral erosive lichen planus: a case series. *Int J Dermatol.* 2024 Dec;63(12): 1785-1786. PMID: 38773800.
33. Behera B, Errichetti E, Garg S, Gowda SK, **Thakur V**. The morphological spectrum of cheilitis. *J Am Acad Dermatol.* 2025 Jan 3. PMID: 39756618.
34. De D, Mehta H, Shah S, Ajithkumar K, Barua S, Chandrashekar L, Chatterjee M, Gupta V, Khandpur S, Khullar G, Kolalapudi SA, Kumar S, Neema S, Pandhi D, Poojary S, Rai R, Rajagopalan M, Rao R, Shah B, Singal A, **Thakur V**, Vinay K, Aggrawal A, De A, Mukherjee S, Prinja S, Mahajan R, Handa S. Consensus Based Indian Guidelines for the Management of Pemphigus Vulgaris and Pemphigus Foliaceus. *Indian Dermatol Online J.* 2025 Jan-Feb;16(1): 3-24
35. Gowda SK, Errichetti E, Behera B, **Thakur V**. Trichoscopic Features of Lichen Planopilaris versus Frontal Fibrosing Alopecia: A Systematic Review. *Dermatology Practical & Conceptual.* 2025 Jan 29;15(1): 4481.
36. Gupta P, Sangwan P, **Thakur V**, Behera B. Hypotrichosis simplex type 7: A rare cause of non-syndromic woolly hair. *Indian J Dermatol Venereol Leprol.* 2024 Dec 5;; 1-2. PMID: 39912188.
37. Gupta P, Sangwan P, **Thakur V**, Behera B. Papillon-Lefèvre syndrome: palmoplantar keratoderma with teeth abnormalities. *Clin Exp Dermatol.* 2025 Feb 15. PMID: 39953728.
38. Garg S, Behera B, **Thakur V**, Gowda SK. Cutaneous pigmentation and sensory ataxia in vitamin B12 deficiency. *J R Coll Physicians Edinb.* 2025 Mar 12;; 14782715251325580. PMID: 40071300. (Corresponding Author)
39. **Poonia K**, Chojer P, Kapatia G. Giant angiokeratomas of scrotum. *Indian J Dermatol Venereol Leprol.* 2024 Nov-Dec;90(6): 835.
40. **Poonia K**, Bhalla M. Premature Graying of Hair: A Comprehensive Review and Recent Insights. *Indian Dermatol Online J.* 2024 Aug 30;15(5): 721-731.



41. **Poonia K**, Sushama S, Kapatia G. Unilateral granular parakeratosis of an axilla. BMJ Case Rep. 2024 Jun 11;17(6): e257394.
42. Singh S, **Poonia K**, Kapatia G, Rana MK. Extensive Nodular Melanoma at the Site of Chronic Venous Insufficiency. Indian Dermatol Online J. 2024 Nov 26;16(1): 179-181.

Chapters

1. Bansal S, Sushma S. Tofacitinib in vitiligo. In: Sardana K ed. Tofacitinib in dermatology. 1st ed. Jaypee. 2024
2. Bansal S, Chawla H. Vitiligo
3. Bansal S, Gupta S. Myths and facts in acne
4. Bansal S, Chawla H. Vitiligo and other hypopigmentary disorders in pregnancy. In: Gupta S. Pregnancy Dermatoses. 1st ed. 2024

Individual faculty wise:

SI No	Name of faculty	Research paper	Book/chapter	I10index	H index
1.	Dr Shivani Bansal	42	23	9	9
2.	Dr. Kavita Poonia	28	2	3	4
3.	Dr. Vishal Thakur	112	7	17	12

VIII. Key Highlights and Departmental Activities:

1. Organized CME and workshop – hair transplantation and botox in December 2024
2. Leprosy awareness program done at Lal Singh Basti, Bathinda
3. Topical steroid awareness program conducted during patient safety week

IX. Thesis Supervised (MD/MS): Number: 7

X. Other Notable Achievements (in numbers):



Dr Shivani Bansal, speaker in SIG Pigmentary



DR. Stuti Agrawal, Junior resident, paper presentation in state level conference





Dr Shivani Bansal, speaker in SIG Pigmentary



Junior residents, quiz winner in different conferences



Poster Presentation by Junior residents in State level conference



Convocation 2024



Workshop on hair transplant and Facial injections in Collaboration with Deptt of Burns and Plastic Surgery



DEPARTMENT OF DENTISTRY

Name of the Department	Dentistry
Head of the Department	Dr Shailendra Singh Rana

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Shailendra Singh Rana	Associate Professor & H.O.D.	13-11-2019
2	Dr Lata Goyal	Associate Professor	08-11-2019
3	Dr Tarun Kumar Singh	Associate Professor	02-11-2019

II. Brief Introduction of the department:

Our mission is to promote sustainable development of dental and allied health education. We also encourage patient education and creating awareness regarding dental problems. We strive our best to provide excellent treatment to all sections of the society. We plan and continuously provide excellent infrastructure, learning resources required for quality education and innovations. We will foster specialty training and research in all disciplines of oral health sciences.

Teaching: Undergraduate Teaching MBBS students

Postgraduation Teaching: MDS: Orthodontics & Dentofacial Orthopedics

MDS: Periodontics

MDS: Conservative Dentistry & Endodontics

III. Patient care Data:

For Clinical departments:

SI No	Category	Number
1.	Patients seen in OPD	23,471
2.	Patients admitted in IPD	3
3.	Teleconsultations	5
4.	Procedures performed	
	A. Major	
	Dental Implants	24
	Periodontal Microsurgery	33
	Laser-Assisted Surgeries	7
	FPD	40
	Obturator	22
	Orthodontic Treatment	35
	Periodontal Surgeries	177
	RCT	291
	Dental Trauma Management	102
	Activator	25
	Fracture Reduction	17
	Impactions	39
	Cyst Removal	49
	Tumour excision	5
	B. Minor	
	Extractions	1645
	Complete Dentures	74
	RPD	42
	Oral Prophylaxis	541



	Scaling and Root planning	631
	Restorations	1565
	Study Cast	180
5.	Any other special clinic/activity	

For Diagnostic departments:

SI No	Category/ Name of test	Number
1.	CBCT	351
2.	IOPA	5872
3.	Lat ceph	96
4.	Routine blood investigations	253
5.	Biopsy/Histopathology examination/ FNAC	44

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Dr Shailendra Singh Rana	Title/Topic	Details of the Event	Organised by
National conferences				
1	I. Presented lecture and conducted free dental camp at Akal University, Talwandi Sabo, Punjab on 16 th April 2024.	Artificial intelligence and its applications in Dentistry	Lecture and free dental camp	Akal University, Talwandi Sabo
	II. Presented lecture at NIT Rourkela from 2 nd to 4 th May 2024.	Automation in Dentistry	Lecture	NIT Rourkela
	III. Presented paper at the IOS national conference held in Bengaluru from 19 th September to 22 nd September 2024.	Artificial intelligence and its applications in Dentistry	Paper	IOS National Conference
	IV. Presented lecture on “at Akal University, Talwandi Sabo, Punjab on 3 rd December 2024.	Effect of Oral Appliance Therapy in Patients with Obstructive Sleep Apnoea: Data Presentation	Lecture	Akal University, Talwandi Sabo
	V. Presented lecture at 11th ASRS Congress & 8th AFC, New Delhi, organized by Indian Society for Sleep Research from February 8-9, 2025.	Oral Health and Non-communicable diseases	Lecture	ASRS Congress and 8 th AFC, New Delhi
	VI. Presented a lecture on “Oral Health and Non-communicable at AIIMS, Bathinda on 22 nd May 2025.			AIIMS Bathinda



Sr No	Dr. Lata Goyal	Title/Topic	Details of the Event	Organised by
International conferences				
1		Periodontal and plastic Surgical Procedures	Symposium Plastic Surgery Procedures in Symposium Periodontal and Peri Implant Plastic Surgery May 2024 at Florence, Italy	Italian Society of Periodontology
2		Symposium on Hard and Soft tissue Regeneration	2 nd Asian Hard and Soft Tissue Symposium , Nov 2024, New Delhi	American Academy of Implant Dentistry
3		Effect of Clinical Experience on Accuracy of Dental Implants	6 th Global American Academy of Implant Dentistry Conference Nov 2024	American Academy of Implant Dentistry
4.		Treatment of Gingival Recession associated with Noncarious cervical abrasion: exploring the Evidence	NSPOI 10 th Annual International Conference Feb 2025	Nepalese Society of Periodontology
National conferences				
5		Periimplant mucosal thickness enhancement with titanium rich fibrin:	48 th National Annual Conference of Indian Society of Periodontology, Goa 2024	Indian Society of Periodontology
6		Current Status of INIs and challenges.	1st INI Dental Conclave conducted by All India Institute of Medical Sciences, Kalyani March 2025	All India Institute of Medical Sciences, Kalyani
7		Systematic Review and Meta Analysis	RSACPCON: 33 rd Annual National & 4 th International Conference of Research Society of Anesthesiology clinical pharmacology March 2025	Research Society of Anesthesiology

Sr No	Dr. Tarun Kumar Singh	Title/Topic	Details of the Event	Organised by
National conferences and International conferences				
1		Clinical Management of Early and Delayed Replantation of Maxillary Central Incisor	22nd WCDT Conference, Tokyo, Japan 12–15 July 2024	IADT and ISDT
2		Autonomous Robotic Endodontic Microsurgery: A Step Towards Precise and Efficient Care	39th IESCON Conference, Chennai 3–5 October 2024	IACDE and IES
3		Innovative CBCT-Assisted Strategies for Managing	39th IACDE Conference,	IACDE and IES



		Separated NiTi Instruments – Clinical Case Series	Mumbai 28 Nov – 1 Dec 2024	
4		International VPT Symposium and Workshop	19-21 Feb 2025	AIIMS, New Delhi

V. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1	Dr Shailendra Singh Rana	American Academy of Cosmetic Dentistry (AACD)	2024	AACD
2	Dr Lata Goyal	International Association for Dental Research		IADR
3	Dr Tarun Kumar Singh	International Association of Dental Traumatology (IADT)		IADT

VI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Shailendra Singh Rana	Etiology of temporomandibular disorders in Malwa region of Punjab – A pilot study			
2		A retrospective study proposing a novel approach to measurement of palatal volume in skeletal Class I, Class II and Class III subjects.			
3		Digital workflow with 3D repositioning splints in patients with temporomandibular joint disorders			
4	Lata Goyal	Patient ‘s illness perception based on Brief illness perception questionnaire in patients suffering from chronic periodontitis in the Indian Population: A cross sectional Study	Intramural	Ongoing	
5		Effect of Periodontal therapy along with antimicrobial photodynamic therapy on inflammatory markers and metabolic parameters in patient with metabolic syndrome	Intramural	-	
6	Tarun Kumar Singh	Retention of posts luted with a resin cement in canals obturated using a calcium hydroxide based sealer – An invitro study	Intramural	Completed	
7		A comparative evaluation of intensity of post endodontic pain following single visit root canal treatment with manual, rotary and reciprocating instruments with two different irrigation methods: an in vivo study”	Intramural	Ongoing	



8		To evaluate and compare Direct Pulp Capping using Biodentine and Bio Ceramic Material (BCM) in mature permanent teeth with adjunct of Cone Beam Computed Tomography (CBCT): Randomized Clinical Trial	Intramural	Ongoing	
9		Determine the core microbiotome for asymptomatic apical periodontitis using 16S rRNA illumina sequencing, identify biomarker for diagnosis and formulate the optimum irrigation protocols depend on microbiological evaluation	Extramural	Submitted	

VII. Papers and Books/chapters published by the department:

1. Gupta A, **Rana SS**, Eranhikkal A, Kumar P. Repeatability and reproducibility of landmark localization on panoramic images for PA (Posteroanterior) cephalometric analysis. *Multimedia Tools and Applications*. 2024 Apr;83(12): 35979-93.doi: 10.1007/s11042-023- 16961-y.
2. Kumar A, **Rana SS**, Gupta S, Patra A, Rana S, Gupta Sr SH. Cephalometric Analysis of Maxillary Sinus for Gender Determination Using Lateral Cephalogram: A Novel Retrospective Study in the North Indian Population. *Cureus*. 2024 Aug 2;16(8).doi: 10.7759/cureus.66030.
3. Sankar H, Alagarsamy R, Lal B, **Rana SS**, Roychoudhury A, Agrawal A, Wankhar S. Role of artificial intelligence in treatment planning and outcome prediction of jaw corrective surgeries by using 3-D imaging-A systematic review. *Oral Surgery, Oral Medicine, Oral Pathology and Oral Radiology*. 2024 Oct 1. doi: 10.1016/j.oooo.2024.09.010.
4. Maken P, **Rana SS**, Gupta A, Rajagopalan A, Gupta MK. 2D-to-3DMaxiDeform: A computer-aided approach for 3D construction of maxillary sinus from PA and lateral X-ray images. *Computers in Biology and Medicine*. 2024 Dec 1;183: 109263.doi: 10.1016/j.compbimed.2024.109263.
5. Rajagopalan A, Lal B, Chaudhari PK, **Rana SS**. Geometric morphometric analysis of palatal form in patients with maxillary anterior teeth impaction-A systematic review. doi: 10.18231/j.jco.2025.004.
6. **Rana SS**, Vichare S, Gupta A, Rajagopalan A, Kharbanda OP. Evaluation of the accuracy of a simplified hybrid method versus the traditional digital method for measuring palatal volume. *Journal of Oral Biology and Craniofacial Research*. 2025 Jan 1;15(1): 5-10. doi: 10.1016/j.jobcr.2024.10.011
7. Sankar H, Alagarsamy R, Lal B, **Rana SS**, Roychoudhury A, Barathi A, Ankush A. In reply to the Letter to Editor regarding Comment on: Role of artificial intelligence in magnetic resonance imaging-based detection of temporomandibular joint disorder: a systematic review. *British Journal of Oral and Maxillofacial Surgery*. 2025 Mar 29.
8. **Rana SS**, Sharma A, Gupta A, Vichare S, Rajagopalan A. Feasibility of craniofacial landmark plotting on magnetic resonance images. *Odontology*. 2025 Mar 10: 1-8. doi: 10.1007/s10266-025-01077-6
9. Rao NM, Kaur N, **Rana SS**, Gupta A, Vichare S, Rajagopalan A, Sivaraman J, Pal K, Neelapu BC. Can MRI be a potential substitute for CT in cephalometric analysis for radiation-free diagnoses?. *Journal of Orofacial Orthopedics/Fortschritte der Kieferorthopädie*. 2025 Mar 10: 1-4.
10. **Goyal L**, Gupta M, Gupta S. Is periodontal disease associated with gestational diabetes? Exploring the evidence. *Evid Based Dent*. 2025 Jan 31. . Epub ahead of print. PMID: 39890994.
11. Sareen S, Brar PK, Gupta S, **Goyal L**. Tooth vitality and periapical healing: is Biodentine at par with MTA in regenerative endodontics? *Evid Based Dent*. 2025 Mar;26(1): 6-7. PMID: 39885347.
12. **Goyal L**, Bansal S, Ernakulum A, Rana MK. Plasma Cell Gingivitis With Plasma Cell Cheilitis: A Diagnostic Challenge. *Compend Contin Educ Dent*. 2024 Nov-Dec;45(10): e1-e4. PMID: 39561333.



13. Perambudhuru Y, **Goyal L**, Dewan M, Mahajan A, Prabhat KC. Applications of 4D Printing in Dentistry: A Narrative Review. *J Adv Periodontol Implant Dent*, 2024, 16(1),55-63 PMID: 39027206
14. Dewan M, Shrivastava D, **Goyal L**, Zwiri A, Hussein AF, Alam MK, Srivastava KC, Anil S. Recent Advancements and Applications of Nanosensors in Oral Health: Revolutionizing Diagnosis and Treatment. *Eur J Dent*. 2024 Dec 30. Epub ahead of print. PMID: 39750525.
15. Chawla K, **Goyal L**. Root coverage with restoring non-carious cervical lesions: A systematic review and meta-analysis. *Dent Med Probl*. 2024 61(1): 99-119. PMID: 38445442.
16. Dewan M, Pandit AK, **Goyal L**. Association of periodontitis and gingivitis with stroke: A systematic review and meta-analysis. *Dent Med Probl*. 2024 May-Jun;61(3): 407-415. PMID: 36700798
17. Aji NRAS, Räsänen IT, Rathnayake N, Lundy FT, Mc Crudden MTC, **Goyal L**, Sorsa T, Gupta S. aMMP-8 POCT vs. Other Potential Biomarkers in Chair-Side Diagnostics and Treatment Monitoring of Severe Periodontitis. *Int J Mol Sci*. 2024 Aug 30;25(17): 9421. PMID: 39273368
18. **Goyal L**, Sankar H, Kapatia G, Perambudhuru Y. Solitary intraoral pyogenic granuloma in Neurofibromatosis Type 1: A Diagnostic Conundrum. *BMJ Case Reports* (Accepted)
19. Sareen S, Gupta S, **Goyal L**. Ozone therapy as a complementary approach in periodontal therapeutics. *Evid Based Dent*. (Accepted)
20. **Goyal L**, Saroya KK, Gupta S, Sareen S. Association between restoration of missing teeth with dentures and cognitive function. *Evid Based Dent*. (Accepted)
21. **Singh TK**, Choudhary E. A Comparative Clinical, Histological, and Radiographic Evaluation of Different Pulp Capping Materials on Permanent Teeth: Current Prospective and Future Direction. *Ind J Dent Educ*. 2024;17(2): 97-102.
22. Gupta A, **Singh TK**. Unravelling the sodium hypochlorite accident with comprehended treatment protocol: A Case Report. *Medical Reports*. 2024 Jun 7: 100077.
23. Kukreja BJ, Talukder D, Kumar KH, Yadav A, **Singh TK**, Sahoo N, Makkad RS. Clinical Evaluation of Role of Laser in Soft Tissue Surgical Guide for Implant Placement. *Journal of Pharmacy and Bioallied Sciences*.: 10-4103.
24. Johnson AJ, **Singh TK**, Gupta A, Sankar H, Gill I, Shalini M, Mohan N. Evaluation of validity and reliability of AI Chatbots as public sources of information on dental trauma. *Dental Traumatology*. 2024.

Chapters

1. **Springer** Nature Singapore Pte Ltd., 2024, An Overview of 3D Craniofacial Imaging.
2. Peer S, Singh P, Rana S S, Singh T K, In: **Rana SS**, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Computed Tomography Imaging for Craniofacial and Dental Applications.
3. Zere E, Manas RK, Sinha SP, **Rana SS**, Prabhat KC, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Noninvasive 3D Facial Scanning.
4. Lal B, Alagarsamy R, **Rana SS**, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, CAD/CAM Technology and Their Applications in Craniofacial Surgery.
5. Makkithaya K N, Melanthota S K, Rajib Biswas, **Rana SS**, Karnati M, Mazumder N, , In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Computational Analysis of 3D Craniofacial Imaging.
6. Sennimalai K, Vichare S, **Rana SS**, Lal B, Selvaraj M, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Cephalometric Analysis Using Three-Dimensional Imaging System.
7. Katyal S, Vichare S, **Rana SS**, Maken P, Gupta A, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore



- Pte Ltd., 2024, Three-Dimensional Superimposition of Craniofacial Structures.
8. Maken P, **Rana SS**, Gupta A, Kaur H, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Challenges for 3D Imaging for Craniofacial Applications.
 9. Rajasekaran A, **Rana SS**, Chaudhari PK, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Application of Three-Dimensional Scanning for In-Office Digital Manufacturing of Direct Printed Aligners.
 10. Mohanty D, Pritam Mohanty P, **Rana SS**, Rajagopalan A, In: Rana SS, Prabhat KC, Gupta A. Applications of Three-dimensional Imaging for Craniofacial Region. 1st Edition. Springer Nature Singapore Pte Ltd., 2024, Protection Over Innovation in Craniofacial Imaging.
 11. Maken P, Gupta A, **Rana SS**, In: Gupta A, Neelapu BC, Rana SS. Computer-Aided Diagnosis (CAD) Tools and Applications for 3D Medical Imaging will be published by Elsevier Inc., USA, Watermarking over medical images.
 12. Goyal, L., Dhingra, K., Pandey, J. (2025). Artificial Intelligence in Periodontology: Current Applications and Future Perspectives. In: Schwendicke, F., Chaudhari, P.K., Dhingra, K., Uribe, S.E., Hamdan, M. (eds) Artificial Intelligence for Oral Health Care. Springer, Cham. https://doi.org/10.1007/978-3-031-84047-0_4

BOOKS

- Rana SS**, Prabhat KC, Gupta A. "Applications of Three-dimensional Imaging for Craniofacial Region" currently under review for publication by Springer Nature Singapore Pte Ltd.
- Gupta A, **Singh TK**. Finishing and Polishing of Direct and Indirect Dental Restorations (Game Changer in Dentistry). Red Flower Publications, 2024.
- Gupta A, **Singh TK**, Singla E. "Applications of Robotics in Dentistry" currently under review for publication by Springer Nature Singapore Pte Ltd.

Dr Shailendra Singh Rana

1. Research papers- 30
2. Book/Book chapter- 2/17
3. i10 index*- 4
4. H index*- 9

Dr Lata Goyal

1. Research papers- 37
2. Book/Book chapter- 1/1
3. i10 index*- 20
4. H index*- 14

Dr Tarun Kumar Singh

1. Research papers- 29
2. Book/Book chapter- 2/5
3. i10 index*- 5
4. H index*- 7

VIII. Thesis Supervised (MD/MS/MDS): *

- Shailendra Singh Rana -2
Lata Goyal- 2
Tarun Kumar Singh- 2



DEPARTMENT OF DIETETICS

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Kamna Bhati	Dietician	15 th March 2024
2.	Ms Ankita	Assistant Dietician	14 th March 2024
3.	Ms Puja Kumari	Assistant Dietician	6 th March 2024

I. Brief Introduction of the Department:

Vision: To provide evidence-based nutritional care, empowering patients to optimize healing, prevention, and overall well-being through an integrated, innovative patient-centered approach.

Mission: The department provides nutritional screening, assessment, monitoring, and follow-up for personalized oral, enteral, and parenteral nutrition to meet patient requirements during various disease conditions. Department collaborates with healthcare team to educate and empower patients to optimize their nutritional intake for improved health outcomes. Our dietetics team strives to advance the field of clinical nutrition and enhance the quality of life for both patients and communities.

Services Provided:

- Medical Nutrition Therapy
- Education & Training

The services offered to patients with various nutritional needs and health conditions as follows:

- Malnutrition management and Nutrition rehabilitation
- Pre and post-operative nutrition
- Nutrition in critical care and cancer
- Management of gastric issues
- Metabolic and autoimmune disorders
- Inborn errors of metabolism
- Neurological disorders
- Renal disease
- Cardiovascular disease
- Maternal and child health

The department operates a diet clinic in the IPD area, located in Room No. 8 on the ground floor. Patients referred from various OPDs of the Institute receive diet counselling daily from 9: 00 a.m. to 5: 00 p.m. Additionally, parallel diet clinics are held in the OPD area Room No. 4212 during the same hours. Department provides a range of specialized diet services tailored to meet the nutritional needs of both outpatient (OPD) and inpatient (IPD) populations such as Normal and therapeutic diet (Diabetic Diet, Renal Diet, Hepatic Diet, High Protein Diet, DASH diet and Gluten Free Diet) and tube feeds as per patient's disease condition and nutritional requirements.

II. Patient care:

The department runs a diet clinic as well as provides IPD counselling.

Sl No	Category	Number
1.	Patients seen in OPD	6602 (1.4.24 to 31.3.25)
2.	IPD seen	1027



DEPARTMENTAL HIGHLIGHTS

The Dietetics Department spearheaded multiple impactful initiatives throughout the year, emphasizing the importance of balanced nutrition and wellness. Key events included community nutrition awareness camps, workshops for patients, outreach programs on healthy eating habits, and training sessions for staff on clinical nutrition practices. Special occasions were marked with interactive exhibits, expert talks, and diet consultations. These events enriched public engagement and reinforced the department’s commitment to promoting evidence-based nutritional care and education across diverse age groups and clinical conditions. Some of the highlights are mentioned below:



World Health Day 7th April 2024



World Asthma Day 7th May 2024



World Breastfeeding week 1st-7th August 2024



Food Safety Day 7th June 2024



National Nutrition Week 1st September-8th September 2024



Patient Safety week November 2024

Expansion planned for the future:

- To establish kitchen and provide dietary services for indoor patients
- To start internship, training, course programme and research



DEPARTMENT OF ENT AND HEAD AND NECK SURGERY

Name of the Department	ENT Head and Neck Surgery
Head of the Department	Dr. Vaibhav Saini

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Vaibhav Sa	Additional Professor	21/12/2019
2.	Dr Vikasdeep Gupta	Associate Professor	26/11/2019
3.	Dr Nikhil Rajan	Assistant Professor	16/11/2021
4.	Dr Ankur Mohan	Assistant Professor	07/11/2023

II. Brief Introduction of the department:

III. Patient care:

For departments engaged in clinical patient care:

Sl No	Category	Number
1.	Patients seen in OPD	32762
2.	Patients admitted in IPD	1209
3.	Teleconsultations	0
4.	Procedures performed	
	A. Major	A. 394
	B. Minor	B. 4586
5.	Any other special clinic/activity	28456

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr Vaibhav Saini	1. Invasive fungal sinusitis and recent trends in management. 2. Lateral strap approach, a safe and effective technique for parathyroid adenoma excision. 3. "1st Hands On CADAVERIC Basic FESS and Anterior Skull Base Workshop 4. 76th Annual Conference Of The Association of Otolaryngologists of India		Haryana AOICON 2024 RAJAOICON 2024 Atal Bihari Vajpayee Institute of Medical Sciences and Dr. RML Hospital Hotel Le Meridien, Kochi
2	Dr Vikasdeep Gupta	1. Facial nerve decompression: intact canal intact ossicle technique 2. Facial nerve decompression: various techniques/approaches		ISOCON 2024 agra ENT Resident conclave karnal 2024



		<ol style="list-style-type: none"> 3. Facial nerve paralysis 4. Orbital lesions: rhinologist perspective 5. Endoscopic glomus tumour excision 6. Surgical decision making in sleep disordered breathing: symposium 		<p>MAMCENT UPDATE '24 Haryana AOICON 2024</p> <p>NWZAOI DECEMBER 24 Asian sleep research society feb 2025 new delhi</p>
3.	Dr Nikhil Rajan	<ol style="list-style-type: none"> 1)Ossiculoplasty in a canal wall down cavity in a child 2) Surgical management of advanced differentiated thyroid cancer 	32 nd Annual national conference of Indian Society of otology 43rd North West Zone AOICON	<p>Indian Society of Otology, Pune</p> <p>AIMS, Bathinda</p>
4.	Dr.Ankur Mohan	<ol style="list-style-type: none"> 1. Dissector 2. Organizing team 3. Organizing team 4. Table coordinator 5. Organizing team Talk on parathyroid adenoma 6. "1st Hands On CADAVERIC Basic FESS and Anterior Skull Base Workshop 	<p>Oral cavity cancer update Temporal bone dissection workshop Cadaveric FESS dissection workshop</p> <p>CIGICON 2024</p> <p>NWZ-AOICON 2024</p>	<p>Navi Mumbai, DY Patil medical college AIIMS Bathinda</p> <p>AIIMS Bathinda</p> <p>AIIMS Patna</p> <p>AIIMS Bathinda</p> <p>Atal Bihari Vajpayee Institute of Medical Sciences and Dr. RML Hospital</p>

V. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1	Dr Vaibhav Saini	Elected as President of the North West Zone Association of Otolaryngologists of India	43 rd North West Zone AOICON	North West Zone Association of Otolaryngologists of India.



VI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Vaibhav Saini	<p>1. Chief Investigator: The Impact of strap muscle division during total thyroidectomy on post operative voice and swallowing outcomes.</p> <p>2. Co-Investigator:</p> <p>1. Effect of eustachian tube function assessed by saccharine clearance test on surgical outcome of type I endoscopy tympanoplasty. 2. A prospective observational study. Ultrasonography versus airway endoscopy for the assessment of vocal fold function and subglottic airway patency prior to tracheostomy decannulation in tracheostomised children: a prospective observational study.</p> <p>3. Impact of sinus volume on Incidence of AFRS-A comparative observational study.</p>			
2	Dr Nikhil Rajan (Assistant Professor)	Prevalence NA of outer hair cell dysfunction in patients of autoimmune thyroiditis: A cross sectional study	NA	Ongoing	Nil
3	Dr. Vikasdeep Gupta (As PI)	<p>Chief investigator:</p> <p>1. Impact of sinus volume on Incidence of AFRS-A comparative observational study.</p> <p>2. Effect of eustachian tube function assessed by saccharine clearance test on surgical outcome of type I endoscopy tympanoplasty</p> <p>3. Correlation of ankyloglossia in neonates and quality of breastfeeding</p>			



II. Papers and Books/chapters published by the department:

Book chapter: Transcanal Endoscopic excision of Glomus tympanicum. Clinical cases in endoscopic ear surgery -Springer Nature

1. Negi T, Saini V, Gupta V, Kumar S, Rajan N, Mohan A. Giant Parathyroid Adenoma Causing Dyspnea: A Rare Clinical Presentation; Indian J Otolaryngol Head Neck Surg. 2025;77(2): 1109–14.
2. Raj A, Gupta V, Krishnamoorthi S, Kaur H, Saini V. effect of the staging of rhino-orbital-cerebral mucormycosis on its management and clinical outcome Indian J Ophthalmol.2024;72(10): 1519-1523.
3. Sankar H, Mohan A, Rana SS, Rajan N. Atypical Presentation of Invasive Aspergillosis in the Infralabial Region of the Face in an Immunocompetent Young Adult: A Case Report. Journal of Maxillofacial and Oral Surgery, 2025;24(1): 62-4.

Name of faculty	Research Papers (24-25)	Book chapters	I10 index	H index
Dr Vaibhav Saini	02	0	0	03
Dr. Vikasdeep Gupta	07	1	0	03
Dr Nikhil Rajan	02	1	0	04
Dr Ankur Mohan	01	0	0	01

VIII. Other important Highlights with relevant photographs of the department:

New services started in 2024-2025

1. CO2 Laser surgeries for laryngeal lesions have been started in the department
2. Training activities conducted
 - a. World Hearing Day celebration 2025 with poster-making competition.
3. Number of Conferences Organized - 1
4. Number of Workshops Organized-7

IX. Number of Thesis Supervised MD/MS* - 7

X. Any other achievements in numbers

- 1) I was elected as the president of the North West Zone Association of Otolaryngologists of India in December 2024.
- 2) I provided my services as Organising chairperson for the successful conduct of the 43rd Northwest Zone AOICON 2024, which was organised at AIIMS Bathinda
- 3) I served as the External examiner for Postgraduate examination at Faridkot Medical College and as Undergraduate examiner at Bikaner Medical College and CMC Ludhiana during this period.
- 4) In addition, I was involved in the setting of a theory paper each for Faridkot Medical college (UG) and Hamdard Institute of Medical Sciences & Research.
- 5) I was also selected as reviewer for PHD thesis of one candidate from GMC Amritsar.
- 6) I have been entrusted with the following administrative duties during this period through which I have been able to contribute to the overall development of this prestigious institute.
 - i. Officer in charge- Security
 - ii. Officer in charge- Sports
 - iii. Member- Research Cell
 - iv. Member- OT committee
 - v. Member- Women Grievance Cell.



ENT/001



ENT/003



ENT/002



ENT/004



DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

Name of the Department	ENDOCRINOLOGY AND METABOLISM
Head of the Department	DR SHIVANI ASSOCIATE PROFESSOR(HOD)

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	DR. SHIVANI	ASSOCIATE PROFESSOR	02-AUG-2021

II. Brief Introduction of the department:

- The department of endocrinology and metabolism, AIIMS Bathinda is providing services to the patients on OPD basis. On daily basis patients are screened for complications of diabetes are educated regarding dietary plans, insulin techniques, diabetic foot care, risk factors for osteoporosis and life style modifications to prevent it. Procurement the equipment and instruments for the department
- Starting endocrinology lab- with facility of hormone testing by immune analyzer(Roche), Electrolyte analysis, Osmolality testing
- Starting USG Neck and FNAC thyroid nodules
- Undergraduate and Postgraduate teaching, clinical postings
- Nursing teaching and training
- Organized Insulin Workshop as a part of Nursing Education Program. AIIMS Bathinda. Date- 24 Oct 2024 to 25 Oct 2024
- Organized Public Awareness on World Celiac Disease Day on 16 May 2024
- Fibro-scan Camp. 13th August 2024, 9nd May 2024, OPD, AIIMS Bathinda
- Organized Mini Marathon on World Obesity Day (4 March 2025)
- Organized free diabetes screening camp on World Diabetes Day (Nov. 14th 2023) along with distribution of free Insulin pens and cooling wallets to the patients.
Collaboration with NGO- People to People Health Foundation and started free distribution of insulin, glucose testing strips, insulin syringes and pens etc to the 50 poor needy patients

III. Patient care:

For departments engaged in clinical patient care:

Sl No	Category	Number
1.	Patients seen in OPD	29355
2.	Patients admitted in IPD	455
3.	Teleconsultations	
4.	Any other special clinic/activity	Wednesday-Paediatic endocrinology Friday- Obesity Clinic

Procedures Performed in Departments:

Sr. No	Name of Test	Number
1	Dexa Scan	2215
2	Extended OGTT	23
3	Growth Hormone Suppression Test	22
4	Continuous Glucose Monitoring System	19
5	Serum Osmolality	284
6	Urine Osmolality	156
7	Urine Ketone	80
8	Clonidine Stimulation Test	15
9	ACTH Stimulation Test	21
10	Random Blood Sugar	9047
11	Injection leuprolide Acetate	10



12	Injection Testosterone	94
13	GnRH Stimulation test	11
15	Injection Zoledronic Acid	70
16	Injection Eutropin	17
17	Synthecthin Stimulation Test	15

III. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Shivani	Fibrodysplasia ossificans progressive: A rare disorder of heterotopic ossification.	4 th Global Webinar on Diabetes and Endocrinology December 02-03, 2024.	Scientex Conferences.
National conferences				
1.	Dr. Shivani	Van Wyk-Grumbach syndrome- An unusual presentation of a usual disorder.	Mapicon 2024. AIIMS Bathinda. 27 th -28 th September 2024.	
2.	Dr. Shivani	Lingual Thyroid Presenting as Tongue Mass in Adult Male: A Rare Presentation	Mapicon 2024. AIIMS Bathinda. 27 th -28 th September 2024.	

IV. Faculty achievements –awards, honours etc

ACADEMIC ACHIEVEMENTS:

- ✓ Got annual membership of Endocrine Society (ES-Membership number- 542385).
- ✓ Received DM Endocrinology Curriculum approval by the board of studies.

WORKSHOP/Training done in:

1. Gyaan Daan on Systematic Review. Discovery Research Division ICMR. 24th-26th July 2024. Room Number-301, V. Ramalingaswami Bhawan, ICMR Headquarters. New Delhi.
2. Advanced Training Course on Sample Size Determination & Power Analysis in Health Research (Online Mode) during 18-20 November, 2024. Resilient Foundation for Academic Innovation and Scientific Research, New Delhi
3. International Workshop on Biostatistics during 22-18 August, 2024. Resilient Foundation for Academic Innovation and Scientific Research, New Delhi
4. Participated in Neck USG Workshop. 22nd September. 2024. ESI- Focus. Bengaluru.
5. Systematic review and meta-analysis for beginners. RSACPON. 30th march 2025

WORKSHOP/CME: -

1. Resource faculty, type 1 diabetes educator (T1DE) course. SPEED Society. 17th-31st December 2024.
2. Organized Insulin Workshop as a part of Nursing Education Program. AIIMS Bathinda. Date- 24 Oct 2024 to 25 Oct 2024
3. Organizing committee member. Hands On Workshop in Minimally Invasive, Maximally Effective: Basics of USG-guided Interventions Organized by Department of Radiodiagnosis on 21st December, 2024 in AIIMS Bathinda.

GUEST SPEAKER

INTERNATIONAL:

1. Endocrine Society of US: Diabetes and Physical Activity: 12thDec 2024

**NATIONAL:**

1. Role of Endocrinologist Post Bariatric Surgery. Dept. of surgical disciplines, Bariatric & metabolic surgery Live Operative Workshop & CME. Friday, 5th April, 2024. AIIMS Bathinda.
2. Debate: Diabetes Management: From Sugar to Strain-What holds most promises? Adipocentric approach is the best. Cross connect. 5th May 2024. Hyatt Chandigarh.
3. Glucocentric to Adipocentric: Management Approach in diabetes. MAPICON, API (Malwa branch), 26th -29th September 2024. AIIMS Bathinda.
4. Diabetes- tackling the twin epidemic. Endocrine update. 28th September. 2024 Novel insights on pathophysiology, diagnosis and outcome in Gestational diabetes mellitus. 52nd Annual Conference of the Research Society for the Study of Diabetes in India (RSSDI 2024), November 14th to 17th 2024. Yashobhoomi Convention Centre, Dwarka, New Delhi. 26th October 2024.
5. Person-Centered, Family-Centered, Community-Based Approach. CME Course NICED. IJCP. 28TH Nov 2024. Online
6. Adrenal Steroids: A primer of Pharmacology. EPIC Webinar on Adrenal Medicine on 10th Nov'24.
7. Modalities for Prevention & Control of Diabetes Mellitus. 7th march 2025. International Nurses day 2025 on 9th May 2025, organized by Institute of Nursing Education & Research (INER), Workshop under the scheme-Development of Nursing Services MoHFW, New Delhi. AIIMS Bathinda (Punjab).

CHAIRPERSON:

1. Suppressed TSH in First Trimester. EPIC, Sweet Diabetes Foundation. 18th May-19th May, 2024, Chandigarh.
2. Advances in Glucose Monitoring & Insulin Delivery. EPIC, Sweet Diabetes Foundation. 18th May-19th May, 2024, Chandigarh.
3. Is autofluorescence required for parathyroidectomy? AOICON 13th-15th December 2024
4. Changing trends in parathyroid surgery- a shift towards minimally invasive technique. AOICON 13th-15th December 2024.
5. Chairperson: Dealing with barriers & challenges in management through motivational techniques. Mind Body Workshop "EPIC (Empowering Physicians in International Practices For Advanced Diabetes & Endocrine Care)". 26th-27th April 2025. Chandigarh.
6. Chairperson: Charcot Foot: What You Should Know. Diabetic Foot Workshop "EPIC (Empowering Physicians in International Practices For Advanced Diabetes & Endocrine Care)". 26th-27th April 2025. Chandigarh.
7. Chairperson: Footwear & Off Loading Techniques "EPIC (Empowering Physicians in International Practices For Advanced Diabetes & Endocrine Care)". 26th-27th April 2025. Chandigarh.

V. Research activities undertaken in the department:

S. No	Title	Cost in Lakh	Agency
1.	Comparative study of effect of fluorosis on Bone Mineral Density, Trabecular bone score, and Bone Turnover Markers in post-menopausal women.	5	ESI
2.	To study the risk factors, biomarkers and metabolic impact of sarcopenia in adults with Type 2 diabetes mellitus- A Cross-Sectional Study	5	Intramural Approved by RC Pending in Ethical committee
	Site-PI		
1.	Novel approach to management of PCOS in adolescents: towards tailored interventions devoid of conventional oral-contraceptive therapy. A Multicentric Study	9	Approved by ICMR Yet to start



2..	Investigative center of advance research in endotypes of type 1 diabetes (iCARE-T1DM): A national referral center for research in T1D	12.96	Approved by ICMR Yet to start
3.	A Multicenter, Randomized, Comparative, Active-Controlled, Open-Label, Phase 3 Study to Evaluate the Efficacy, Safety and Immunogenicity of Semaglutide injection in Weight Management		Approved by RC Pending in Ethical committee
4.	A Prospective, Phase 3, Randomized, Interventional, Open-label, Parallel Group. Multicentre, Active Controlled Study to Establish Noninferiority of IntasSemaglutide Subcutaneous Injection (Test) Against Innovator Semaglutide (Wegovy Flex Touch, Novo Nordisk) Subcutaneous Injection (Reference) in Overweight and Obese Adult Participants in Adjunct to Diet and Exercise	2.8	CSR Approved by RC Pending in Ethical committee
Co-PI			
1.	Taskforce on Establishment of reference intervals in Indian Population	85	ICMR
2.	A cross-sectional study to see the effects of glycemicontrol on bone characteristics measured by DXA in patients of type 2 Diabetes Mellitus	0.6	STS2024-07294

Submitted

1.	DR. Shivani Associate Professor	Clinic-Etiological Profile of Gynecomastia: an Observational Study	Intramural
2.	DR. Shivani Associate Professor	Association between Visceral Adipose Tissue Inflammation and Body Composition and clinical characteristics in Patients with Type 2 Diabetes Undergoing Coronary Artery Bypass Grafting (CABG)."	Intramural
3.	DR. Shivani Associate Professor	Assessment of body composition across the spectrum of glucose intolerance and impact of metformin, structured exercise plan and meditation on change in body composition and metabolic health-an open label randomised controltrial	ESI

VI. Papers and Books/chapters published by the department:

Paper Published 08

Book Published:

1) Research papers- 7

1. Verma, M., Sidana, S., Kumar, P. *et al.* Distress and coping mechanisms among people with diabetes: cross-sectional assessment from an NCD screening clinic of a tertiary care hospital in North India. *DiabetolMetab Syndr* **17**, 34 (2025). <https://doi.org/10.1186/s13098-025-01603-0>
2. Mohan V, Amutha A, Aarthy R, Poongothai S, Shanthirani CS, Unnikrishnan R, Anjana RM, Kanthimathi S, Bodhini D, Routray P, Hemachitra R, Gowthami GT, Naaraayan SA, Sureshkumar P, Saboo B, Masoodi S, Shruthi J, Singh M, Shah IA, Viswanathan V, Chandni R, Manikath N, Raghupathy P, Priyadarshini S, Jain V, Sharma R, Deshpande N, Yajnik CS, Dhadge S, Jog K, Rai S, Jali MV, Jali SM, Pachapure S, Sidana S, Ramuu M, Killivalavan D, Pande AR, Radha V; PAN INDIA Monogenic Study Collaborators Group from India. Profile of monogenic diabetes: a Pan-India study. *Diabetes Res Clin Pract.* 2025 Jun 2;226: 112289. doi: 10.1016/j.diabres.2025.112289. Epub ahead of print. PMID: 40466744.
3. Sidana S, Kaur N, Bhardwaj NK, Bansal S, Mittal P. Congenital hypothyroidism and nephrocalcinosis—An uncommon association. *IJEM Case Rep* 2024;2: 50-3.



4. Sidana S, Kapatia G, Thakur P, Roy A, Singla M. Histopathological features of non-insulinoma pancreatogenously hypoglycemia syndrome: A rare cause of hypoglycemia in non-diabetic adults. *IJEM Case Rep* 2024;2: 80-81.
5. Goel A, Kapatia G, Gupta S, Gupta V, Sidana S. Comments on "Diagnostic models for predicting malignancy in thyroid nodules classified as Bethesda category III in an endemic region". *Diagn Cytopathol.* 2024 May;52(5): 288-289. doi: 10.1002/dc.25302. Epub 2024 Mar 14. PMID: 38486129.
6. Raj, A., Singla, A. & Sidana, S. Preventive and therapeutic strategies via health care delivery system to minimize sight-threatening diabetic retinopathy: a narrative review. *Curr Diab Rep* 25, 36 (2025). <https://doi.org/10.1007/s11892-025-01591-5>
7. Surya Shanbhog, Gargi Kapatia · Saurabh Nayak · Shivani Sidana. Wcn25-4065. Evaluating Platelet Inflammatory Markers As Diagnostic Tools For Differentiating Proteinuric And Non-Proteinuric Variations Of Diabetic Nephropathy. *Kidney International Reports* (2025) 10, S1–S773

2) Book/Book chapter-5

1. Sidana S. (2025). Ammonium chloride loading test. *Endocrine dynamic testing protocols 2025*. Knowledge Bridge international
2. Shivani Sidana, Vikas Lakhnpal. Differential diagnosis of diabetic neuropathy– A case based discussion. book: “Diabetic Neuropathy: Understanding the gift of pain”. Research Society for the Study of Diabetes in India (RSSDI).
3. Chapter- Glucose-Lowering Therapies and Bone Health: Risk–Benefit Profiles. *RSSDI Handbook Series –Diabetes & the Bone, Skin, and Liver*
4. Shivani Sidana, Ritika Sharma. Role of Probiotics in Diabetes Management. Elsevier *Synthetic Biology and Engineering Probiotics*
5. Clinical Presentation of Polycystic ovary syndrome. Chapter. *PCOS Society of India*

3) Books Edited-

1. Co- editor, section: Diabetes Mellitus. *Yearbook of endocrinology 2024*. Endocrine society of India.

4) Newsletter-

1. Doctors Concern: Mortality Associated with Excessive Saccharin Intake. Editorial, newsletter, medenexus. Thu ,25 Apr 2024
2. Early Screening for Hepatic Fibrosis is Essential in Young Adults with Type 2 Diabetes and Obesity. Editorial, newsletter, medenexus. Tue, 8 Oct 2024
3. Glycemic Variability: A Harbinger of Diabetic Peripheral Neuropathy? Editorial, newsletter, medenexus. 15th Aug, 2024
4. Long-standing Hypertension and Risk of Incident Stroke. Editorial, newsletter, medenexus. Mon , Dec 16, 2024
5. Impact of insulin resistance on lung health. Editorial, newsletter, medenexus. Sun, 5 Jan 2025
6. Impact of Age on Cushing's Disease. Editorial, newsletter, medenexus. Tue, 4 Feb 2025
7. Global Study Confirms Safer Convenient Treatment for Sinus Thrombosis, newsletter, medenexus. Sat, 22 Feb 2025
8. Inflammation, Hypertension & Mortality in Type 2 Diabetes. Editorial, newsletter, medenexus. Thru, 20 Mar 2025

5) i10 index*-4

6) H index*- 5

VII. Other important Highlights:

Number of Workshop Organized*2

Number of Thesis Supervised MD/MS: -10



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DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY

Name of the Department	FORENSIC MEDICINE AND TOXICOLOGY
Head of the Department	Dr AKHILESH K PATHAK

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr AKHILESH K PATHAK	Professor	13 th Nov 2019
2	Dr Ajay Kumar	Professor	6 th Dec 2019
3	Dr Jyoti Barwa	Additional Professor	2 nd Dec 2019
4	Dr Rattan Singh	Associate Professor	2 nd Dec 2019

II. Brief Introduction of the department:

Department vision: Forensic medicine and toxicology are specialized branches of medical science that play a crucial role in the legal and criminal justice systems. Their primary goal is to assist in the investigation and resolution of legal issues related to health, injury, and death. Department is ready to established a futuristic Virtual Autopsy setup for conducting medicolegal cases, research and training program which will beneficial to various academicians and society at large.

Academic contributions: Faculty has given academic lectures and contributing in the workshop being organised at national and international level by reputed organisation. Faculty and junior residents have presented the academic work at national and international forum.

Patient related services: There is a regular posting of Faculty, senior residents and junior residents on monthly basis roster for attending the medicolegal cases in Hospital. Faculty provides the expert opinion on the medicolegal cases being referred to AIIMS Bathinda. Department is also providing service to assist in cases of poisoning, overdose, or drug abuse.

III. Patient care Data:

For Clinical departments:

Sl No	Category	Number
1.	Patients seen in OPD (emergency & trauma)	2520
2.	Teleconsultations	NA
3.	Procedures performed	
	A. Major (PM autopsy done)	63
	B. Minor (Age estimation)	1
	C. Board cases	34
4.	Any other special clinic/activity – Medicolegal Services	
	MLC Cases	2429
	MLR Cases	91
	Post-mortem Cases	63

For Diagnostic departments:

S. No	Category/ Name of test	Number
1.	Drug analysis by urine kit in patients	27
2.	Drug analysis by urine kit in deceased (PM)	

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute



Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Akhilesh Pathak	Deciphering the Genetic Puzzle: Challenges in Forensic Genetic Testing for Unexplained Sudden Death	Co-author in the American Academy of Forensic Sciences (AAFS) Annual Conference held in Baltimore, USA, in February 2025,	American Academy of Forensic Sciences (AAFS)
2	Dr. Akhilesh Pathak	Echoes of a Shotgun: Unraveling the Forensic and Clinical Mystery of Multiple Gunshot Wounds in a 26-Year-Old Male.	Co-author in the American Academy of Forensic Sciences (AAFS) Annual Conference held in Baltimore, USA, in February 2025,	American Academy of Forensic Sciences (AAFS)
3	Dr. Akhilesh Pathak	Questioning the Safety of Children at Home Following Two Recent Child Abuse Case Reports	I was coauthor at International Academy of Legal Medicine (IALM) held in Athens, Greece, from May 21st to 24th, 2024	International Academy of Legal Medicine (IALM)
4	Dr. Akhilesh Pathak	Co-author in Poster "The Conspicuous Occurrence of Post-Death Artefacts in a Case of Abrupt Demise at an Army Cantt: An Autopsy-Based Case Report"	I was coauthor at International Academy of Legal Medicine (IALM) held in Athens, Greece, from May 21st to 24th, 2024	International Academy of Legal Medicine (IALM)
5	Dr. Akhilesh Pathak	Child's Life in Jeopardy: The Callous Act of Deliberate Paraquat Poisoning.	I was coauthor at International Academy of Legal Medicine (IALM) held in Athens, Greece, from May 21st to 24th, 2024	International Academy of Legal Medicine (IALM)
6	Dr. Akhilesh Pathak	Overcoming Emergency Challenges with Poise: Emerging Strong India	WACEM 2024 ITALY Xth World Academic Congress of Emergency Medicine	Academic Congress of Emergency Medicine
7	Dr. Akhilesh Pathak	Nurturing Mental Health and Wellbeing of Medical Students: Need of Hour	WACEM 2024 ITALY Xth World Academic Congress of Emergency Medicine	Academic Congress of Emergency Medicine
8	Dr. Akhilesh Pathak	Jury member in 15th IASR International conference on 24 August 2024.	15 th International conference on 24 August 24.	International association of Science and Research



9	Dr. Akhilesh Pathak	Excellence beyond Academics: Nurturing Mental Health amongst Medical Students.	Nyay-Nityam: International Conference on 6 th Dec 2024.	Central University of Punjab
10	Dr. Akhilesh Pathak	Unravelling the case of self-strangulation.	5th International Conference of Forensic Science at Philippines	International association of Science and Research
National conferences				
1	Dr. Akhilesh K Pathak	Nurturing Mental Health and wellbeing in medical students.	30 September 24	Guest lecture in International Conference of International Association of Medico Legal Experts at AIIMS Jodhpur
2	Dr. Akhilesh K Pathak	Prevention of injuries and Corporal Punishment	19th October 2024	Attended and chaired a scientific session of Annual conference of Society
3	Dr. Akhilesh K Pathak	consortium meeting	26 November 24.	Attended consortium meeting at CUP under chairmanship of Secretary Education Ministry GOI
4	Dr. Akhilesh K Pathak	Medicolegal Pitfalls in Clinical	28 September 24.	Guest speaker in Annual Conference of Association of Physicians of India Malwa branch MAPICON 24
5	Dr. Akhilesh K Pathak	Nurturing Mental Health amongst Medical Students	6 Dec 2024	Invited as guest speaker in CUP in International Conference
6	Dr. Akhilesh K Pathak	IASR International Conference	23-25 August 24	Attended 15th IASR International Conference conducted by IASR at VPCI Delhi.
7	Dr Ajay Kumar	PAFMATCON	PAFMATCON 2024-2025	22 nd National conference of Punjab Academy of Forensic Medicine and Toxicology
8	Dr Ajay Kumar	Legal and Ethical Issues in Disaster Management	Disaster management: Preparedness and Response	Institute of Nursing Education and Research Sponsored by MHFW
9	Dr Ajay Kumar	Establishing Department of Forensic Medicine in	ICFMTCON 2024	21 st Annual National Conference of Indian Congress of Forensic



		an institute of National Importance		Medicine and Toxicology
10	Dr Ajay Kumar	Nursing Forensics	Advancing Nursing and its allied territories 13-14 Dec 2024	National Conference for Nursing Professionals
11	Dr Rattan Singh	Visualization of Latent fingerprint by non-toxic substance on various surfaces in raining weather condition	PAFMATCON 2024-2025	22 nd National conference of Punjab Academy of Forensic Medicine and Toxicology
12	Dr. Jyoti Barwa	Analysis of the injuries in a surgically operated case	5 th Annual AIIMS Forensic Guild conclave	Dept of FMT, AIIMS Bhubaneshwar
13	Dr Rattan Singh	Management of Dead in mass disaster	Disaster management: Preparedness and Response	Institute of Nursing Education and Research Sponsored by MHFW

V. Faculty achievements –awards, honours etc

Sl No	Name of faculty	Award/ honour	Event	Organised by
1	Dr. Akhilesh Pathak	India	International Multidisciplinary Research Foundation, India	International Multidisciplinary Research Foundation, India, registered with the Government of India and NITI Aayog.
2	Dr Rattan Singh	3 rd Prize	PAFMATCON-2025	HIMS, Dehradun under the aegis of Punjab academy of Forensic Medicine and Toxicology

VI. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Akhilesh Pathak	Comparative Analysis of Fetal Age Estimation Using Gustafson's Method and Anthropometric Measurements	Intramural	Ongoing	-
2	Dr Ajay Kumar	Sex determination by maxillary sinus area on lateral cephalogram: A novel retrospective study in North Indian Population	Intramural	Completed	-
3	Dr Ajay Kumar	Knowledge, Awareness and Perception regarding Advanced Medical Directives in patient and patient's relative admitted	Intramural	Completed	-



		in SICU/MICU/CCU: A pilot study			
Projects submitted					
5.	Dr Akhilesh Pathak Professor And Head	Advancing traumatic brain injury diagnosis in Road traffic casualties. Utilizing Circulating biomarker for enhanced detection.	Intramural	Submitted for IEC	nil
6	Dr Akhilesh Pathak Professor And Head	Traumatic Brain Injury Diagnosis in Road Traffic casualties: Utilizing Circulating Biomarkers for Enhanced Detection	Extramural	Submitted to ICMR	Awaited
7	Dr Akhilesh Pathak Professor And Head	A study to Determine the Efficacy of Neem and Antibiotic-based Alternatives to Formalin for Cadaver Preservation	Extramural	Submitted to ICMR	Awaited
8	Dr Akhilesh Pathak Professor And Head	Identification and analysis of Artifacts in 3D-CT Head Reconstruction in Trauma Cases: Implications of Virtual Autopsy and Forensic Interpretation	Extramural	Submitted to ICMR	Awaited
9	Dr Rattan Singh Associate Professor	Psychological assessment of police officials who are working on Medicolegal Cases – a cross sectional study	Intramural	Submitted for IEC	nil
10	Dr Rattan Singh Associate Professor	Effects of alcohol and nicotine dependency on the epiphyseal fusion of bones for bone age estimation detected by CT imagine techniques of Head and Chest of Adult Punjabi Population	Intramural	Submitted for IEC	nil
11	Dr. Jyoti Barwa	Morphological And Volumetric Analysis of HYOID Bone using cone beam computed tomography for human age & Sex Determination in the Living	Intramural	Submitted for IEC	nil

VII. Papers and Books/chapters published by the department:

	Name of Faculty	Research Papers	Book/ Book Chapters	i10 Index	H Index
1	Dr. Akhilesh Pathak	6	0	8	9
2	Dr Ajay Kumar, Professor	10	Book 1 Chapters 7	11	11

S.No	
1	Singh R, Barwa J, Patra A, Peer S, Kumar A. A Medical Miracle: Surviving a Perforating Gunshot Injury to the Neck. Cureus 2025;17(1).



2	Kumar A, Barwa J, Singh R, Thakral S, Patra A, Thakral S. Knowledge, Awareness, and Perception of Advanced Medical Directives Among Patients and Their Relatives in the Critical Care Unit: A Pilot Study. Cureus 2025; 17(3).
3	Kumar A, Kant K. Forensic Microbiology: Reveal the Microbial Signatures in Criminal Investigations. JPAFMAT 2024;(2):
4	Sahil Thakral, Ajay Kumar, Akhilesh Pathak, Treasa James Exploring the Contemplation of Banning Mercury Thermometers in Paediatric Care: A Case Study. JPAFMAT 2024;(2):
5	Arora D, Kumar A, Singh R , Barwa J. When Artifacts Deceive: Internal decomposition findings mimic firearm injury. . JPAFMAT 2024;(2):
6	Dhull A, Singh A, Harish D , Kumar A. Age Estimation Using Orthopantomogram of Mandibular and Maxillary Second and Third Molars by Modification of Nolla's Method. JPAFMAT 2024;(2):
7	Narang S, Singh A, Harish D , Kumar A. Determination of the sex of an individual from finger print ridge density. JPAFMAT 2024;(2):
8	Kumar A, Patra A. Anatomical Techniques in Forensic Medicine: A Pathway to Personal Identification. JPAFMAT 2024 (1) 138-41.
9	Patra A, Kumar A. Advancing Ethics in Medical Education: A Strategy to Prevent Medical Negligence. JPAFMAT 2024 (1) 5-7.
10	Kumar A, Rana S S, Gupta S, et al. Cephalometric Analysis of Maxillary Sinus for Gender Determination Using Lateral Cephalogram: A Novel Retrospective Study in the North Indian Population. Cureus 16(8): e66030. doi: 10.7759/cureus.66030

VIII. Key Highlights and Departmental Activities:

Conducted a training for Forensic Nursing students of Forensic science university Gujrat

Conference:

1. CME on "From Death to Diagnosis: Postmortem CT Angiography in Death investigation and management of snake bite on 6th September 2024.
2. Forensic Reel Through Workshop Lense- Reconstructing Academics on 12th May 2024.

IX. Thesis Supervised (MD/MS): *

1. PG Student: - Dr. DIVYA ARORA
Topic-Analysis of Human cadaver muscle protein degradation to estimate Postmortem Interval
Guide: Dr. Ajay Kumar
Coguide: Dr. Gitanjali goel
Coguide: Dr. Akhilesh Pathak
Coguide: Dr. Jyoti Barwa
Coguide: Dr. Rattan Singh
2. PG Student: - Dr. ARUN K S
Topic - Analysing the impact of Toxicological screening on the management of substance use disorder in Tertiary health care institute: Prospective observational study
Guide - Dr. Akhilesh Pathak
Coguide - Dr. Preeti Singh Dhoat
Coguide - Dr. Ajay Kumar
Coguide - Dr. Jyoti Barwa
Coguide - Dr. Rattan Singh
3. PG Student: - Dr. RANJOD SINGH
Topic of study-
"Detection of concealed information in a mock crime scenario using pupillometry and the Concealed Information Test (CIT) among staff of a tertiary care hospital"



Guide- Dr. Jyoti Barwa
 Co-Guide 1-Dr Bharat Udey
 Co-Guide 2-Dr Akhilesh Pathak
 Co-Guide 3-Dr Ajay Kumar
 Co-Guide 4-Dr Rattan Singh

X. Other Notable Achievements (in numbers): *





DEPARTMENT OF GENERAL MEDICINE

Name of the Department	General Medicine
Head of the Department	Prof. (Dr.) Preeti Singh Dhoat

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Preeti Singh Dhoat	Professor	07-12-2019
2.	Dr. Amandeep Kaur	Associate Professor	02-12-2019
3.	Dr. Niket Verma	Assistant Professor	31-08-2021
4.	Dr. Maninder Kansal	Assistant Professor	08-04-2022
5.	Dr. Deepak Chaudhary	Assistant Professor	11-04-2022
6.	Dr. Rohit Raina	Assistant Professor	22-01-2024

II. Brief Introduction of the department:

1. **OUTPATIENT SERVICE:** Medicine OPD had been one of the busiest OPDs of our institute catering to all sorts of patients from in and around Bathinda. Thoroughly examined the patients, elicited medical history data, devised the treatment plans, and implemented therapeutic regimens to administer high level of care to these patients.
2. **IN PATIENT SERVICE:** With the beginning of IPD services, patients have been admitted to Emergency, MICU and medicine wards and have been administered high level of tertiary care.
3. **PRE-ANAESTHETIC CHECK UP (PAC):** Patients posted for operative procedures were sent for various comorbidities management as well as risk stratification. These patients were managed for underlying comorbidities and were given final fitness for operative procedures as per there the associated risks.
4. **CALLS FOR INPATIENTS:** IPD patients who were admitted for operative procedures were managed for their associated comorbidities as well as for complications during admission as well as during operative and post-operative procedures.
5. **SPECIAL CLINICS:**
 - a) Fibro scan and liver clinic
 - b) Diabetes clinic
 - c) Hypertension clinic
 - d) Rheumatology clinic
6. Undergraduate Theory teaching classes of the second year, third year and final year MBBS students were taken since the beginning of their session as per the roster.
7. Classes during the clinical posting of the second year, 3rd year and final year undergraduate students in the department of Medicine were taken as per the roster.
8. PG teaching in the form of case presentations, seminars and journal clubs were conducted during the academic session as per the roster.

III. CME/ Camps Conducted by department

1. Diabetes Awareness and Free RBS Camp' conducted at AIIMS Bathinda on 3rd—5th April 2024, , 23rd—25th April 2024, 30th April 2024, 3rd May 2024, 8th May 2024, 15th—16th May 2024, 28th October 2024, 14th November 2024, 22nd November 2024, 2nd December 2024 and 20th January 2025.
2. Fatty Liver Awareness and Free Fibro scan Camp' conducted at AIIMS Bathinda on 02 April 2024, 10 April 2024, 15 April 2024, 19 April 2024, 27 May 2024, 11 June 2024, 14 June 2024, 25 June 2024, 09 July 2024, 25 October 2024, 24 January 2025 and 26 February 2025.



3. 'Dyslipidemia Awareness and Free Lipid Profile Camp' conducted at AIIMS Bathinda on 02 May 2024, 09 May 2024 and 01 July 2024.
4. 'Osteoporosis Awareness and Free Bone Mineral Density Camp' conducted at AIIMS Bathinda on 01 April 2024, 18 April 2024, 01 May 2024, 02 May 2024, 09 May 2024, 21 June 2024 and 26 June 2024.
5. 'Neuropathy Awareness and Free Neuropathy Screening Camp' conducted at AIIMS Bathinda on 06 April 2024, 09 April 2024 and 24 June 2024.
6. 'Gout Awareness and Free Uric Acid Screening Camp' conducted at AIIMS Bathinda on 03 May 2024.
7. 'Heat Stroke Awareness Camp' conducted at AIIMS Bathinda on 06 May 2024.

PG students

1. **2nd prize** in case presentation at cardiometabolic conference held in AIIMS Rishikesh In Nov 2024.

Future plan of the department –

- The department of General Medicine plans to start fellowship courses in Infectious diseases, Tropical diseases and Critical Care medicine
- The department of General Medicine plans to upgrade the ICU services
- The department of General Medicine plans to introduce newer innovative small group teaching learning methods for MBBS students as per latest NMC CBME guidelines. These methods are faculty intensive and require more teaching hours.
- **Patient care:**

For departments engaged in clinical patient care:

SI No	Category	Number
1.	Patients seen in OPD	67269
2.	Patients admitted in IPD	5194 (MICU – 1419 ; MMW –1345 ; FMW – 2430)
3.	Teleconsultations	22
4.	Procedures performed A. Major B. Minor	-NA-
5.	Any other special clinic/activity	<ul style="list-style-type: none"> • Fibroscan and liver clinic • Diabetes clinic • Hypertension clinic • Rheumatology clinic

For diagnostic departments:

SI No	Category	Number
1.	ECG	20,123

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
1.	Dr. Preeti Singh Dhoat	1. Atrial fibrillation recurrence in new-onset atrial fibrillation detected during hospitalization for	1. National Faculty/Speaker /Moderator/Chairperson	1. Annual 9h conference ACP -IM India August



		<p>non-cardiac surgery or medical illness; a matched cohort study.</p> <p>2. Best publication presentation -second runners up</p> <p>3. AI the new revolution in medicine are we ready17</p> <p>4. PGI Chandigarh-Antifungal stewardship in critically ill Patients.</p> <p>5. INVITED SPEAKER-5 TH Annual conference of cardio diabetic society</p>	<p>2. National Speaker</p> <p>3. National Speaker</p> <p>4. National Speaker</p> <p>5. AIIMS Rishikesh</p>	<p>2024 Lucknow</p> <p>2. Annual 9h conference ACP -IM India August 2024 Lucknow</p> <p>3. National MAPICON 2024</p> <p>4. 25-8-24</p> <p>5. Annual conference of cardio diabetic society 2024</p>
2.	Dr. Amandeep Kaur	<p>1. Symposium session on the topic of Antifungal stewardship with guest lecture delivered on the topic Antifungal stewardship: Lessons from covid era” The two topics coordinated were “Antifungal stewardship: what we need to know” and “Antifungal stewardship in intensive care unit.”</p> <p>2. Invited as Faculty to conduct a session at the 11th Annual Conference of the Association of Physicians of India (Malwa Branch) MAPICON 2024 on the topic PUO: Reveal the unrevealed”</p> <p>3. Moderator and Judge for poster presentation held at Lucknow on 17th and 18th August 2024.Moderator for scientific session by Postgraduate students</p>	<p>1. Guest lecture & coordinator</p> <p>2. Faculty</p> <p>3. Moderator and Judge</p> <p>4. Paper presentation</p>	<p>1. ASPICON held at PGI Chandigarh on 25th August 2024.</p> <p>2. 11th Annual Conference of the Association of Physicians of India (Malwa Branch) MAPICON 2024 on 28 September 2024</p> <p>3. ACP Lucknow on 17th and 18th August 2024.</p>



		<p>at ACP Lucknow.</p> <p>4. Paper presentation at ACP Lucknow was done on the topic QT dispersion in newly diagnosed hypertensive patients before and after treatment.</p> <p>5. Chairperson for a session at APICON 2025.</p> <p>6. Judge of poster presentation by post graduate students at APICON 2025.</p>	<p>5. Chairperson</p> <p>6. Judge</p>	<p>4. ACP Lucknow</p> <p>5. APICON 2025</p> <p>6. APICON 2025</p>
3.	Dr. Niket Verma	<p>1. Hands-on Training session titled 'Formulating Research Question, Hypothesis and Objectives' at the Research Methodology Workshop on Thesis Writing a</p> <p>2. A session on 'Breaking Bad News' at the PG Orientation Program-2025</p> <p>3. A session titled 'Importance of Feedback in Medical Education' at the 80th Annual Conference of the Association of Physicians of India</p> <p>4. A session titled 'Artificial Intelligence and DM' at the eCME Series – Edition III of the Delhi Diabetic Forum</p> <p>5. for a hands-on training workshop on 'Advances in Assessment in Medical Education' conducted by CMET</p> <p>6. for a hands-on training workshop on 'Residents as Teachers' conducted by CMET at</p> <p>7. for a hands-on training workshop on</p>	<p>1. Faculty</p> <p>2. Faculty</p> <p>3. Faculty</p> <p>4. Faculty</p> <p>5. Resource Faculty and Organizing Committee Member</p> <p>6. Resource Faculty and Organizing Committee Member</p> <p>7. Resource Faculty and Organizing Committee Member</p>	<p>1. AIIMS Bathinda on 04 November 2024</p> <p>2. AIIMS Bathinda on 15 January 2025</p> <p>3. (APICON-2025 Kolkata) on 25 January 2025</p> <p>4. 26 April 2025</p> <p>5. AIIMS Bathinda on 30 December 2024</p> <p>6. AIIMS Bathinda on 24-25 February 2025</p> <p>7. AIIMS Bathinda on</p>



		‘Workshop on Basics of Medical Education’ conducted by CMET		18-19 March 2025
4.	Dr. Rohit Raina	<ol style="list-style-type: none"> 1. “Breaking Bad News to Attendants” 2. ASPICON 2024 organized by PGI Chandigarh 3. MAPICON 2024 organized by AIIMS Bathinda. 4. 5th Annual Conference of CDC 2024 organized by AIIMS Rishikesh 5. “Research Methodology Workshop on Thesis Writing” Conducted by RAC, AIIMS Bathinda 	<ol style="list-style-type: none"> 1. Guest Lecture 2. Guest Faculty 3. Guest Faculty 4. Guest Faculty 5. Resource Person 	<ol style="list-style-type: none"> 1. ACP India on 23 May 2024. 2. PGI Chandigarh on 22nd-25th Aug 2024. 3. AIIMS Bathinda on 26th-29th Sep 2024. 4. AIIMS Rishikesh on 8th-9th Nov 2024 5. 04-11-2024 to 08-11-2024. Conducted by RAC, AIIMS Bathinda

V. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1.	Dr. Preeti Singh Dhoat	<ol style="list-style-type: none"> 1. ACP India Internist Award 2024 17 August 2024 2. SECOND AWARD-ACP Governors recognition for distinguished Contributions for ACP India Chapter 3. Dedication & Sincerity AWARD Lucknow 17 RUNNERS UP---Best Publication Presentation on Study of Correlation Between Serum Homocysteine Levels and Albuminuria in Type2 Diabetes Mellitus. ACP 2024 Lucknow 17 August 2024 4. Hospitalist Excellence Award of the year 2024.NEMICON 2024. 	<p>ACP 2024 Lucknow 17 August 2024</p> <p>ACP 2024 Lucknow 17 August 2024</p> <p>ACP 2024 Lucknow</p> <p>1st National Emergency Medicine & Intensive Care</p>	<p>ACP India</p> <p>ACP India</p> <p>ACP India ACP India</p> <p>Centre KING GEORGE MEDICAL COLLEGE</p>



		5. Nominated Scholar 2024 APSH Summer School of Hypertension	Conference 2024 Atal Bihari Vajpayee Scientific Convention APSH Summer School of Hypertension, 16 th July -19 th July 2024	Hue University of Medicine and Pharmacy, Vietnam
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VI. Research activities undertaken in the department

S No	Name & designation of PI	Title of the project	Source of support Intramural / extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					



<p>1.</p>	<p>Dr. Preeti Singh Dhoat</p>	<p>Extramural Projects:</p> <ol style="list-style-type: none"> To assess the beneficial effect of growth hormone therapy in elderly individuals with chronic congestive heart failure Factors associated with sudden deaths among adults aged 18-45 years, India; multicentric matched case-control study. ICMR National Institute of Epidemiology. Regional coordinating center and sentinel surveillance center under the National One Health Programme for Prevention and Control of Zoonoses (NOHPPCZ) To study the correlation between Non-Alcoholic Fatty Liver Disease and Dyslipidemia at a tertiary care center in north India Effectiveness of Yoga based Cardiac Rehabilitation (Yoga CaRe) in Heart Failure: A Randomized Controlled Clinical Trial"- ICMR Task Force Project under Dr. Dorairaj Prabhakaran. Centre for Chronic Disease Control, New Delhi. Association of symptoms with eating habits and food preferences in Gastritis patients- A cross sectional study Pancytopenia: A clinicopathological analysis at tertiary 	<p>Extramural ICMR</p> <ol style="list-style-type: none"> PI- Dr. Preeti S Dhoat AIIMS Bathinda Dr. Minakshi Dhar AIIMS Rishikesh Dr. Sourabh Srivastava GIMS Greater Noida ICMR NOHPPCZ 	<p>Ongoing</p>	<ol style="list-style-type: none"> Approved Rs 6473000 Rs. 5,00,000 Rs 18,00,000/
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2.	Dr. Amandeep Kaur	<ol style="list-style-type: none"> 1. Prevalence and outcome of comorbidities in patients with connective tissue disorders. 2. Study of clinical features associated with paraquet poisoning with a special focus on pulmonary and cardiovascular system disorders and associated outcome. 3. Association of symptoms with clinical and food preferences in gastritis patients- A cross sectional study 4. Genetic, epigenetic, environmental, and biochemical investigations to understand the etiology and pathology of celiac disease. 	<p>Intramural</p> <p>Intramural</p>		
3.	Dr. Niket Verma	<ol style="list-style-type: none"> 1. Perceptions and knowledge among CMCL-FAIMER fellows after attending a one-month online discussion on Simulation Based Teaching 2. Needs assessment of a formal online mentoring programme for MBBS students: a multicentric study 3. Participant perception of faculty development workshops conducted as part of the Training the Trainers series at AIIMS Bathinda 		On going	NA
4.	Dr. Maninder Kansal	<ol style="list-style-type: none"> 1. A cross-sectional study to evaluate subclinical left ventricular dysfunction in patients with liver cirrhosis 			



		<p>using global longitudinal strain</p> <p>2. TOPSPIN trial (Treatment Optimisation for Blood Pressure with Single-Pill Combinations in India (TOPSPIN))</p>			
5.	Dr. Deepak Chaudhary	<p>1. Awareness & Acceptance of artificial sweetener in cases of Uncontrolled Diabetes Mellitus</p> <p>2. A Phase 4, 52-week, single arm, multicentre post marketing surveillance to evaluate the safety of Desidustat for the treatment of anemia in subjects with chronic kidney disease (CKD)</p> <p>3. Yoga Care HF Trial Bathinda site</p> <p>4. TOPSPIN trial (Treatment Optimisation for Blood Pressure with Single-Pill Combinations in India (TOPSPIN))</p> <p>5. A randomized controlled trial comparing Early Helicobacter Pylori triple therapy with probiotics, triple therapy alone and symptomatic treatment for dyspepsia</p>		On going	NA
6.	Dr. Rohit Raina	<p>1. Comparison of the effects of Prucalopride and Itopride on gastric emptying in Diabetic Gastroparesis patients using gastrointestinal cardinal symptoms index (GCSI) score in a tertiary care hospital in North India: an open label randomised study.</p>		Ongoing	Ongoing



		<p>2. Association between Clinical Profile of patients with Type 2 Diabetes Mellitus and serum Vitamin D levels at the tertiary care centre: an observational cross-sectional study. STS Project</p> <p>3. To assess the beneficial effect of adjuvant growth hormone therapy in elderly individuals with Chronic Congestive Heart Failure. ICMR Project</p>		Ongoing	
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VII. Papers and Books/chapters published by the department:

➤ BOOK

1. EDITOR IN CHIEF OF BOOK- Medicine Essentials in Clinical Practice authored by Rohit Raina and Preeti Singh Dhoat

➤ Chapters

1. FIRST AUTHOR: DIABETES SELF MANAGEMENT
2. Effect of SGLT2i on Stroke and AF in Diabetes by Dr. HK Chopra for JP Brothers publication on Advances and Revolutions in Heart Failure (ARHF) Textbook of Cardiology.
3. (Under publication 4) 4th Edition ICU Manual (Paras publisher) PARAS PUBLISHER— APPROACH TO A PATIENT WITH HYPERTENSIVE EMERGENCY
4. Under publication 4th Edition ICU Manual (Paras publisher) PARAS PUBLISHER Management of acute severe asthma and exacerbation of COPD
5. Rohit Raina, Preeti Singh Dhoat, Niket Verma, Barath G.R. Refractory Heart Failure. Medicine Essentials in Clinical Practice 2025.
6. Rohit Raina, Preeti Singh Dhoat, Maninder Kansal, Aditya Rana. A comprehensive approach of Metabolic syndrome. Medicine Essentials in Clinical Practice 2025.
7. Rohit Raina, Preeti Singh Dhoat, Niket Verma, Arnav Singh. Comprehensive Guide to Adult-Onset Still's Disease: Diagnosis and Management. Medicine Essentials in Clinical Practice 2025.
8. Rohit Raina, Preeti Singh Dhoat, Deepak Chaudhary, Mayank Aggarwal. Overview of Tachyarrhythmias and Bradyarrhythmias. Medicine Essentials in Clinical Practice 2025.
9. Rohit Raina, Preeti Singh Dhoat, Maninder Kansal, Aditya Mohan. Understanding Shock: a comprehensive guide to Diagnosis and treatment. Medicine Essentials in Clinical Practice 2025.
10. Rohit Raina, Preeti Singh Dhoat, Maninder Kansal, Deepak Chaudhary, Dinesh Prajapat. Atypical Diabetes- Neonatal and Monogenic Forms of Diabetes Mellitus. Medicine Essentials in Clinical Practice 2025.
11. Rohit Raina, Preeti Singh Dhoat, Deepak Chaudhary, Rajat Singh. Optimising Insulin Delivery in Clinical Practice: Evidence-Based FITTER Guidelines for Improved Diabetes Management. Medicine Essentials in Clinical Practice 2025
12. Summary of National and International Guidelines -cardiovascular disease and Diabetes. amandeep kaur (under publication)



13. Kaur A, Verma N, Dhoat PS, Raina R. An approach to a case of Unknown Poisoning. In: 'API Medicine A-Clinical Compendium 2025' – An Official Publication of Association of Physicians of India. Jaypee Brothers Medical Publishers (P) Ltd; 2025. p. 353–58.
14. Raina R, Dhoat PS, Kaur A, Verma N. An approach to a case of Diabetic Patient who presents with Epigastric Pain. In: 'API Medicine A-Clinical Compendium 2025' – An Official Publication of Association of Physicians of India. Jaypee Brothers Medical Publishers (P) Ltd; 2025. p. 109–13.
15. Under publication- Geriatric course: Thyroid disorders in elderly. Amandeep kaur (Under publication)
16. Raina R, Dhoat PS, Kaur A, M Sonali. ECG Predictors of myocardial infarction. In: Medicine Essentials in Clinical Practice. BP International; 2025. p. 1-28.
17. Raina R, Dhoat PS, Kaur A, S Samal. Diabetes and Ageing-From treatment goals to pharmacological therapy. In: Medicine Essentials in Clinical Practice. BP International; 2025. p. 92-104
18. Raina R, Dhoat PS, Kaur A, P Arun. Diagnostics and management strategies for altered sensorium in HIV/AIDS Patients: A Syndromic approach. In: Medicine Essentials in Clinical Practice. BP International; 2025. p. 128-154.
19. Verma N. Importance of Feedback in Medical Education. In: 'Medicine Update 2025' – An Official Publication of Association of Physicians of India. Jaypee Brothers Medical Publishers (P) Ltd; 2025. P. 1337-1339
20. Raina R, Dhoat PS, Verma N, Sakshi. Understanding Vasculitis: A Detailed Exploration of Clinical Manifestations and Management. In: Medicine Essentials in Clinical Practice. BP International; 2025. p. 155-177

➤ **Publications: -**

S. No.	List of Papers in Vancouver style	Type of paper (Original article / review / case report / editorial)	Impact Factor
1.	Raina, R., Singh, R., Dhoat, P. S., Kaur A., Verma, N., Chaudhary, D., & Kansal, M. (2024). Amitraz poisoning: a rare case of suicidal poisoning from Malwa region of Punjab and role of early gastric lavage in preventing complications. International Journal of Community Medicine And Public Health, 11(10), 4064–4066.	Case Report	0.11
2.	Raina Rohit, Dhoat Preeti Singh, G R Barath, Kaur Amandeep, Verma Niket, Kansal Maninder, Chaudhary Deepak, "Paraskeletal Plasmacytoma Manifesting as a chest wall mass- An Uncommon Presentation of Plasma Cell Disorder". Annals of Medicine and Medical Sciences (AMMS), Vol 04, 2025, Page no. 360-364		
3.	Peer S, Bajaj M, Bhagat T, Raina R, Kaushal G. Sequential Aspiration and injection of a Mixture of gelatin-based hemostatic agent and autologous blood clot followed by suture coiling for Effective Embolization of splenic artery pseudoaneurysm by interventional Radiologist (SAMEER): Description of a novel technique. Radiol Case Rep. 2025 Mar 29;20(6): 3024-3030.	Case Report	1.1
4.	Raina, Rohit; Chhabra, Neha ¹ ; Barnwal, Shruti ² ; Vasisht, Shivani ³ ; Kansal, Naveen Kumar ³ ; Kant, Ravi ⁴ . Correlation of nailfold capillaroscopic changes using handheld dermatoscope with varying grades and severity of diabetic retinopathy in patients with type 2 diabetes mellitus: A pilot observational cross-sectional analytical study. Journal of Clinical Ophthalmology and Research 13(1): p 48–56, Jan–Mar 2025	Original Article	1.3



5.	Chhabra, N., & Raina, R. (2025). Correlation of statin therapy and severity of diabetic retinopathy at a tertiary care hospital in Northern India: a randomised control trial. <i>International Journal of Clinical Trials</i> , 12(1), 1–6.	Original Article	
6.	Kaur A , Dhoat PS, Kaur N, Sahoo SS. Knowledge, Awareness, and Determinants of Medication Adherence in Hypertensive Patients: A Hospital-Based Cross-sectional Study in North India. <i>J Pharm Bio allied Sci</i> . 2024;16: S118-S121.	Original Article	0.8
7.	Kaur N, Kaur A , Singh P, Kaur H, Sameer P, Sahoo S. Pulmonary mucormycosis as a presentation of COVID 19: Case series. <i>Case series. Indian J Tuberc</i> . 2024 Jul;71(3): 366-369.	Case Series	0.701
8.	Verma N, Badyal DK, Aggarwal N, Modi JN, Sethi S. Introduction of an online mentoring program for final professional MBBS students. <i>Int J App Basic Med Res</i> 2024; 14: 214-9.	Original Article	0.8
9.	Kaur N, Singh R, Charan BD, Kaur A CA-MRSA associated acute Leucoencephalopathy with restricted diffusion (ALERD). <i>BMJ Case Rep</i> 2024;17: e261226.	Case Report	0.6
10.	Delayed diagnosis of vasopressor-induced symmetrical peripheral gangrene in septic shock patients. <i>JASPI vol2 issue 1 31 March 2024</i> . Rohila R, Chaudhary D, Agarwal A, Dhoat PS	Original Article	
11.	Kochhar S, Samagh, N., Sharma, J, Kaur A, Verma M. Knowledge and Skill Retention in First-Year MBBS Students After Basic Life Support Training: A One-Year Longitudinal Study. <i>BMC Med Educ</i> . 2024 Sep 5;24(1): 971.	Original Article	3.02
12.	Verma M, Kaur A, Upneja A, Dhoat P, Aneja J, Kakkar R. Is Physical Activity Related to Depression and Anxiety among Adults? Observations from a Non-communicable Disease Screening Clinic in North India. <i>Indian J Community Med</i> . 2025 Jan-Feb;50(1): 53-61.	Original Article	0.9
13.	Palanivel V, Tiwari P, Kaur A, Senapati S. mRNA expression profile from whole blood revealed a cluster of 25 shared differentially expressed genes inversely related in multiple sclerosis and inflammatory bowel disease. <i>Mult Scler Relat Disord</i> . 2025 Feb; 94: 106301.	Original Article	3.1

IX. Number of Thesis Supervised MD/MS

1. Serum prolactin levels in T2DM and Obesity and its association with carotid intimal medial thickness - a prospective cross-sectional study.
2. Prevalence of peripheral neuropathy in patients with T2DM and its correlation with vitamin D levels - a prospective cross-sectional study
3. To study the prevalence of cardiovascular manifestations in HIV patients - a cross-sectional study.
4. To study the prevalence of cardiovascular manifestations in HIV patients - a cross-sectional study.
5. The prevalence and predictors of myocardial dysfunction in patients with type 2 diabetes mellitus without prior cardiovascular disease
6. Utility of Multiplex Respiratory Pathogen Panel Polymerase Chain Reaction Testing in Management of Pneumonia in Critical Care Unit - A Single Center Randomized Control Trial
7. The prognostic identifiers of cerebrovascular accidents in tubercular meningitis- a prospective observational study.
8. Prognostic evaluation of frailty index in hospitalized elderly patients- a cross-sectional study.
9. Assessment of visual evoked potential and its association with microvascular complications and higher mental functions in newly diagnosed hypertensive patients a prospective observational study.

10. Evaluation of the role of hs-CRP as a predictor of short-term mortality in patients of liver cirrhosis classified by child-pugh score
11. Prevalance of iron deficiency anemia in predialysis and dialysis chronic kidney disease patients at a tertiary care hospital – a cross-sectional study.
12. CO -GUIDE- To study nail fold cappilaroscopy in vasculitis,
13. Guide- “Assessment Of Visual Evoked Potential And Its Association With Microvascular Complications And Higher Mental Functions In Newly Diagnosed Hypertensive Patients- A Prospective Observational Study
14. Guide- Prognostic identifiers of cerebrovascular accidents in tubercular meningitis A prospective observational study
15. Guide- Effectiveness of H.pylori eradication in Indian patients with non ulcer dyspepsia
16. Guide- Clinico-Demographic Profile And Outcome Of The Geriatric Population With Altered Mental Status In A Tertiary Hospital - A Prospective Observational Study
17. Guide- Comparative evaluation of lung ultrasound b lines score with inferior vena cava diameter and n-terminal pro BNP in differentiating cardiogenic and pulmonary causes of acute dyspnea in a tertiary care hospital- a cross sectional study
18. Guide- Anthropometric and fibroscan parameters correlation in non alcoholic fatty liver disease in type 2 diabetes melitus patients
19. Guide- Prediction of esophageal varices and risk of bleeding in liver cirrhosis using APRI and fibrosis 4 index - A prospective observational study





DEPARTMENT OF GENERAL SURGERY

Name of the Department	Department of Surgical Disciplines
Head of the Department	Dr. Mahendra Pratap Singh

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Mahendra Pratap Singh	Additional Professor	11/04/2022
2.	Dr. Jaspreet Singh Shergill	Associate Professor	20/12/2019
3.	Dr. Harmandeep Singh Jabbal	Assistant Professor	23/08/2021
4.	Dr. Amrit Pal Singh Rana	Assistant Professor	21/08/2021
5.	Dr. Harshitha Rani HM	Assistant Professor	27/12/2023
6.	Dr. Vikram Saini	Assistant Professor	14/06/2024

II. Brief Introduction of the department:

Mission: To correct the regional imbalance and to meet the needs of the society at large, the Department of Surgical disciplines, AIIMS Bathinda is committed to provide excellence in patient care, academics, and research, with cutting-edge surgical services and a quality medical education to undergraduate/postgraduate medical students and budding surgeons.

Vision: Department is expanding its horizons with plans to establish multi-organ transplant surgery programme and to commence diagnostic and therapeutic upper and lower gastrointestinal endoscopy services. We are also in the process of developing a thoracic surgery programme including VATS and simulation lab.

The department is currently staffed with six faculty members, two surgical units, 60 inpatients beds with outdoor and emergency services. The department is supported by a strong academic and clinical framework involving Residents and Para Medical Staff. We serve to a wide spectrum of surgical patients requiring comprehensive range of surgical care both open and minimally invasive. In addition to patient care, the department emphasizes skill development and capacity building. We regularly organize workshops on basic and advanced suturing techniques, benefitting not only residents and medical students but also nursing trainees. With a vision to integrate patient-centric care, advanced surgical practices, and robust academic growth, department strives to emerge as a centre of excellence.

1. Services Available in the department:

- ✓ Surgical care (both open and minimally invasive) for benign and malignant, GI and colorectal, thorax, body surface, HPB ailment, Breast & Endocrine Surgery, Bariatric and metabolic surgery, surgery for peripheral arterial aneurysm, varicose vein problems etc.
- ✓ Advance Laparoscopic Surgical set: 3D,4K, Reubina, advance USG Machine, Hand -held portable digital X-ray Machine.

Special Clinics:

- ✓ Bariatric & Metabolic Surgery Clinic
- ✓ Diabetic Foot Clinic
 - ✓ AVF / CAPD Clinic for End Stage Renal Disease (ESRD)

2. Academics and teaching:

- a) Ongoing post-graduate (M.S. General Surgery) & Graduate (MBBS) teaching programs.
- b) Research Projects.
- c) Regular CME & Conference engagements.

3. Expansion planned for the future:

- a) To start Multi-Organ Transplant Program at AIIMS, Bathinda
- b) To start Fellowship and certificate courses for the training of Surgeons and technicians in various subspecialties of General Surgery.
- c) To create research activities for medical students, residents and faculty.



d) To contribute actively in translational and clinical research.

III. Patient care Data:

For Clinical Departments:

SI No	Category	Number
1.	Patients seen in OPD	33,856
2.	Patients admitted in IPD	2,616
4.	Surgical Procedures performed A. Major B. Minor	Total=5686 A. Major - 1208 B. Minor - 4488
5.	Any other special clinic/activity	<ol style="list-style-type: none"> 1. Bariatric Surgery Clinic 2. Diabetic Foot Clinic 3. Breast 4. AV Fistula and CAPD Clinic for End Stage Renal Disease (ESRD)

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference = 10

Number of Papers presented in International Conference = 02

Sr No	Name of faculty	Title/Topic of Presentation	Details of the Event	Organised by
International conferences				
1	Dr. Vikram Saini	A prospective observational study on perioperative complications of laparoscopic inguinal hernia repair	Oral presentation WCES-IAGES 2024 the 20th World Congress of Endoscopic Surgery (WCES) & the 22th Annual Conference of Indian Association of Gastrointestinal Endo Surgeons (IAGES) held in Kolkata (India) from October 23 - 26, 2024.	WCES and IAGES
2		Laparoscopic transperitoneal right adrenalectomy for a symptomatic cyst of diameter greater than 6 cm	Video presentation WCES-IAGES 2024 the 20th World Congress of Endoscopic Surgery (WCES) & the 22th Annual Conference of Indian Association of Gastrointestinal Endo Surgeons (IAGES) held in Kolkata (India) from October 23 - 26, 2024.	WCES and IAGES



National conferences				
1.	Dr. Mahendra Pratap Singh	Surgical Presentations in IV Drug Users.	MAPICON Bathinda 2024: 11 th Annual Conference of Malwa Branch (26-29 September 2024).	MAPICON at AIIMS Bathinda
2.		A rare of case atherosclerosis renal disease beyond the immediate post-transplant period	ISOT 2024 Ahmedabad 18 th – 20 th October 2024.	Indian Society of Organ Transplantation (ISOT)
3.		A rare case of "methicillin-sensitive staphylococcus aureus burst" (MSSA) managed in post-kidney allograft recipient	ISOT 2024 Ahmedabad 18 th – 20 th October 2024.	Indian Society of Organ Transplantation (ISOT)
4.		Literature search using PubMed	Research methodology workshop on Thesis Writing (06-11-2024)	AIIMS Bathinda
5.		Surgical Site Infections: Where do we stand? and interventions to contain SSI's"	World AMR Awareness Week 2024 (18-24 Nov) Surgical Site Infection status	AIIMS Bathinda
6.		Clinical assessment and staging of Breast Cancer	Breast cancer awareness program-Training, Education, and Examination 25-27 Feb 2025	AIIMS Bathinda
7.		Breast cancer prevention and management	"Emerging & Re-emerging Diseases" from 4th-10th March 2025	INER, AIIMS Bathinda,
8.	Dr. Harmandeep Singh Jabbal	eTEp RS 'low' Carolinas – infraumbilical rives stopa (RS) to pre- peritoneal crossover for primary epigastric & umbilical hernia (M ₂₋₃ W ₁ R ₀)	AWR Chennai 2025 (06 – 09 March ,2025)	AWRSC
9.		Prevesical Venous plexus bleed during mesh fixation with a tacker	AWR Chennai 2025 (06 – 09 March ,2025)	AWRSC
10.	Dr. Amrit Pal Singh Rana	DCIS, Invasive Ductal, Lobular Carcinoma Breast	Breast Cancer awareness program-Training, Education, and Examination 25-27 Feb 2025	AIIMS Bathinda

V. Faculty achievements –awards, honours etc (No. =2)



S.No	Name of faculty	Award/honour	Event	Organised by
1.	Dr. Harshitha Rani H.M	Fellowship of IAGES	IAGES Conference Kolkata, October 2024)	IAGES
2.		Fellowship of Advanced Laparoscopic Surgery, (FALS)	FALS – HerniaKolkata October 2024)	FALS – HERNIA

VI. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1.	Dr. Mahendra Pratap Singh (PI)	GECKO (Global Evaluation of Cholecystectomy Knowledge & Outcomes) Trial	Extramural Multicentric UK based (NIHR)	Completed	-
2.	Dr. Mahendra Pratap Singh Co-PI	Impact of multipronged Interventions.... Implementation research	Extramural ICMR	Ongoing	1.5 cr.
3.	Dr. Mahendra Pratap Singh (Guide)	A study of clinical and laboratory parameters for establishing a diagnostic algorithm for pregnancy associated atypical haemolytic uremic syndrome	ICMR – STS	Ongoing	50000/-
4.	Amrit Pal Singh Rana (Co PI)	“Artificial Intelligence based tool for detection of Breast & Oral Cancer” Phase – II	ICMR - NIP	Under Evaluation	-
Projects submitted					
1.	Dr. Mahendra Pratap Singh (PI)	Psycho-social determinants of Injectable drug use and development of Peer-led Intervention Model on Harm-Reduction and Health Promotion in Malwa region of Punjab: A Mixed-Method Study	ICMR	Under Evaluation	1 cr.
2.	(Guide)	Sociodemographic & Clinical Profiles of Patients with Injectable Drug Abuse (PWID) admitted to the Department of Surgery in a tertiary care hospital in Punjab.	ICMR – STS	Under Evaluation	50,000 /-



3.	(Co - PI)	A Multimodal adaptive, intervention to prevent perioperative infection and reduce morbidity & mortality: a stepped wedge cluster RCT (The Modified Clean-Cut Trail)	ICMR	Under Evaluation	-
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VII. Papers and Books/chapters published by the Department:

1. Rohilla R, Gupta M, Anish TS, Cherian JJ, **Singh MP**, Kakkar AK, Mukherjee A, Mittal N, Kaushal S, Vijay D, Kaushik R, Naeem SS, Charan J; IMPRESS ('Impact of Multi-Pronged intervention on REducing Surgical Site Infection') Study Group. Multipronged interventions to reduce surgical site infections: A multicenter implementation research protocol. PLoS One. 2025 Mar 27;20(3): e0319645.
2. Kumar S, **MP Singh**. A machine learning model-based approach for pre-operative clinical decision-making in hepatocellular carcinoma patients using cellular proliferation marker expression. World Journal of Gastrointestinal Oncology (Article in Press – 23rd April 2025)
3. Saini V, **Singh MP**, Kumbar S, Kalpana CBD. Management challenges in a patient presenting with acute mesenteric ischemia. BMJ Case Rep. 2025 Jul 20;18(7): e266578. doi: 10.1136/bcr-2025-266578
4. Saini V, **Singh MP**, Bansal U, Lalan L. Superior mesenteric artery syndrome and nutcracker syndrome in a patient with pectus carinatum and spine scoliosis. BMJ Case Rep. 2025 Feb 16;18(2): e264276. doi: 10.1136/bcr-2024-264276..
5. Dr. Sanjay Kumar....**MP Singh**. Unravelling the mystery of hypoxia-induced miRNA molecular Cross-Talk Driving Tumour Progression and Therapy resistance: Cancer Treatment Reviews. (under review)
6. NavnehSamagh, Shashank Paliwal, Anju Grewal, **Jaspreet Shergill**. Anaesthesia management of a patient with a large sinus venosus atrial septal defect for laparoscopic surgery - A case report. JCA Advances. 2024;1 (3–4): 100043.
7. Manohar B, **Shergill J**, Jabbal HS, Goyal D, Singh MP. Splenic Trauma in the Immunocompromised: Unveiling Complexities and Dilemmas. Cureus. 2024 May 20;16(5): e60718. doi: 10.7759/cureus.60718. PMID: 38903326; PMCID: PMC11187002.
8. Veparala PR, Samagh N, Jangra K, **Jabbal HS**. Left head rotation (LeHeR), an innovative approach for intubation in patients with missing and loose teeth. BMJ Case Rep. 2024 Apr 4;17(4): e258012.
9. Sharma B, Ranjan J, Aggarwal A, Jangra P, **Jabbal HS**, Kant K. Cedecealapagei as an emerging extensively drug-resistant microorganism: A case report in a patient with pleural empyema and literature review. Microbes & Immunity. 2024; Volume X Issue X: Page No. 1-6.
10. **Saini V**, Alla S, Saini M, *et al* Peritoneal flap repair for large (>8 cm width) recurrent incisional ventral hernia *BMJ Case Reports CP* 2025;18: e262460.

The department needs to provide the following numbers **individual faculty wise**:



Sr. No.	Faculty Name	Research Paper	Book / Book Chapter	i10 index	H index
1.	Dr. Mahendra Pratap Singh	32	0	3	6
2.	Dr. Jaspreet Singh Shergill	12	1	2	1
3.	Dr. Harmandeep Singh Jabbal	11	0	1	3
4.	Dr. Amrit Pal Singh Rana	28	2	8	9
5.	Dr. Harshitha Rani H.M	2	0	0	0
6.	Dr. Vikram Saini	19	0	2	4

VIII. Key Highlights and Departmental Activities with relevant photographs:

A. Conducted Examinations:

1. **First Batch (January – 2022)** of Post Graduate Degree Examination (MS) in January – February 2025.
2. Second Batch of MBBS Batch (2020) Degree Examinations.

B. Training programs activities conducted = 03

1. Surgical Suturing Skill Course for Medical Professionals
2. Surgical Suturing Skill Course for Nursing Students.
3. Advanced Laparoscopic Suturing Skill Course for residents doctors.

C. Surgeries:

1. Started Bariatric & Metabolic Surgery Program at our Institute
2. Started Endoscopic Thyroid Surgery in our Institute.

D. Renal Transplantation Surgery:

Short Term Observership Training in at AIIMS, New Delhi under MOU with Department of Surgical Disciplines, AIIMS New Delhi.

E. Health & awareness camps = 03

(lead the AIIMS Bathinda Multi-Disciplinary Team for Medical Camps at Bathinda Military Station for Veterans & Veer Naris)

F. Number of Conference Organized= 02

Number of Workshop Organized = 02

G. Guest Lecture: 01

IX. Thesis Supervised (MD/MS):

Number of Thesis Supervised MD/MS

SI No	Faculty Name	Guide	Co – Guide
1.	Dr. Mahendra Pratap Singh (Additional Professor & Head)	08	10
2.	Dr. Jaspreet Singh Shergill (Associate Professor)	05	08
3.	Dr. Harmandeep Singh Jabbal (Assistant Professor)	04	05
4.	Dr. Amrit Pal Singh Rana	04	05



	(Assistant Professor)		
5.	Dr. Harshitha Rani HM (Assistant Professor)	-	05
6.	Dr. Vikram Saini (Assistant Professor)	-	03

X. Other Notable Achievements (in numbers): *

- 1. Dr. Shikhar Bansal** (Academic Junior Resident Batch July – 2023) won **second position** for oral presentation titled “Management of Chest Wall Tumour” at Contemporary Practices in Surgery “Symposium on Chest Wall Surgery – 2025” held at AIIMS New Delhi.
- 2. Dr Nidhi** (Academic junior resident batch January – 2025) -Presented a paper titled “Sacrococcygeal Carcinoma” at EAT – March 2025, AIIMS Bathinda
- 3. Two Nursing Officers** (Mohmad Ali & Nand Lal) underwent short term Observership training on **Renal Transplantation Surgery** at AIIMS, New Delhi.



General Surgery -1



General Surgery -2



General Surgery -3



General Surgery -4



DEPARTMENT OF HOSPITAL ADMINISTRATION

Name of the Department	Hospital Administration
Head of the Department	Dr Moonis Mirza

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Moonis Mirza	Associate Professor	Nov 01, 2019
2	Dr Purshottam	Assistant Professor	April 25, 2022

II. Patient care Data:

For Clinical Departments:

Sl No	Category	Number
1.	Patients seen in OPD	Not Applicable
2.	Patients admitted in IPD	Not Applicable
3.	Teleconsultations	Not Applicable
4.	Procedures performed A. Major B. Minor	Not Applicable
5.	Any other special clinic/activity	Not Applicable

For Diagnostic departments: Not Applicable

III. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Purshottam And Dr. Moonis Mirza	World Patient Safety Week 2024, CME and CNE Patient safety week	11 th to 17 th Sep, 2024	AIIMS Bathinda

IV. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/completed)	Budget
Projects sanctioned					
1	Dr Moonis Mirza	Designing and implementation of healthcare model to detect Stage 2 Breast Cancer	ICMR	Ongoing	43.04 Lakh



V. Papers and Books/chapters published by the department:

Authors	Title	Publication	Volume	Number	Pages	Year	Publisher
Mirza, Moonis; Verma, Madhur; et al	Indian Model of Integrated Healthcare (IMIH): a conceptual framework for a coordinated referral system in resource-constrained settings	BMC health services research	24	1	42	2024	BioMed Central London
Kumar, Ajay; Mirza, Moonis;	Exploring the neurodegenerative landscape: Understanding the burden of disease	The Neurodegeneration Revolution			477-495	2025	Academic Press
Verma, Madhur; Mirza, Moonis; et al	Leveraging artificial intelligence to promote COVID-19 appropriate behaviour in a healthcare institution from north India: A feasibility study	The Indian Journal of Medical Research	161	1	81	2025	
GBD Collaborator Group - Moonis Mirza	Global fertility in 204 countries and territories, 1950–2021, with forecasts to 2100: a comprehensive demographic analysis for the Global Burden of Disease Study 2021	The lancet	403	10440	2057 - 2099	2024	Elsevier
GBD Collaborator Group - Moonis Mirza	Global, regional, and national burden of injuries, and burden attributable to injuries risk factors, 1990 to 2019: results from the Global Burden of	Public health	237		212-231	2024	WB Saunders



	Disease study 2019						
GBD Collaborator Group - Moonis Mirza	Global, regional, and national stillbirths at 20 weeks' gestation or longer in 204 countries and territories, 1990–2021: findings from the Global Burden of Disease Study 2021	The Lancet	404	10466	1955 - 1988	2024	Elsevier
GBD Collaborator Group - Moonis Mirza	Global, regional, and national progress towards the 2030 global nutrition targets and forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2021	The Lancet	404	10471	2543 - 2583	2024	Elsevier

Dr. Moonis Mirza

1. Research papers - 07
2. Book/Book chapter - 01
3. i10 index* - 14
4. H index* - 14

VI. Key Highlights and Departmental Activities:



EVENT SCHEDULE	
10:30 am	Inauguration
11:00 am	Dr Mahesh Devnani Addl Prof. & Joint Medical Superintendent Dept. Of Hospital Administration, PGIMER Chandigarh Strategies for effective Infection Prevention and Control in Healthcare Settings
11:30 am	Dr. Moonis Mirza Dy. Medical Superintendent, AIIMS Bathinda Improving patient safety and identifying adverse events
12:00 am	Dr. Bikash Medhi Professor, Dept. Of Pharmacology, PGIMER Chandigarh Medical Devices, Global & Indian Regulation for Preclinical, Clinical and Ethical Evaluation with Future Directions
12:30 am	Prof. Dr. Kamlesh K. Sharma Professor cum Principal, INER, AIIMS Bathinda Overview on Understanding Diagnostic Errors
01:00 pm	Lunch
01:30 pm	Dr. Manjeet Kaur Addl. Prof., Dept. of Pathology, AIIMS Bathinda Emerging Diagnostic technologies and best practice in medical field: AI based diagnostic tools.
02:00 pm	Dr. Narinder Kaur Walia Assoc. Prof., INER, AIIMS Bathinda Strategies to mitigate risks - Ethical and legal considerations
02:30 pm	Hands on Training <ul style="list-style-type: none"> Comprehensive Infection Control Practices for Healthcare Safety on Hand Hygiene & Biomedical waste disposal - Ms. Shilpa (NO), Ms. Simran (NO), Ms. Himani (NO), Ms. Himshikha (NO) Navigation and integration exercise on prevention and management of Needle Stick Injury - Ms. Deepa, Senior Nursing Officer Joint training session on Effective Triage Assessment - Dr. Divakar Goyal, Asst. Prof., Dept Trauma Emergency, AIIMS Bathinda Optimal Pre-Procedural Preparation for Accurate Diagnostic Radio Imaging - Dr. Navdeep Kaur, Assoc. Prof., Dept. of Radio Imaging, AIIMS Bathinda Demonstration and introducing 3 bucket system cleaning at AIIMS Bathinda at all wards- Hospital Infection control sanitation team.
03:00 pm	Feedback and valedictory session

Patient safety week 2024

World Patient Safety Week 2024 at AIIMS Bathinda AIIMS Bathinda successfully celebrated **World Patient Safety Week 2024**, held from **11th to 17th September**.

This event reaffirms our unwavering commitment to patient safety and advancing the quality of healthcare delivery. As a key healthcare leader in the region, AIIMS Bathinda focused on fostering a culture of safety and raising awareness among healthcare professionals, patients, and the community.

As per the theme "**Improving Diagnosis for Patient Safety: Get it Right, Make it Safe**", highlighting the importance of preventing avoidable harm during medical care and emphasizing accurate diagnosis. Our efforts concentrated on promoting patient-centric care, transparency, and continuous learning to build public trust in our healthcare.

V. Other Notable Achievements (in numbers): *

Hospital Administration & Operations

As Deputy Medical superintendent Coordinated with various Hospital activities and Day to day Hospital operations

Quality & Accreditation

- Preparation for NABH entry-level accreditation/NABL accreditation readiness.
- Quality and Patient Safety Cell, promoting a culture of safety across departments.
- Coordinated internal audits and gap analysis for compliance with standards.

NABL Accreditation

We have submit the NABL application process, and in the stage of pre Assessment Implementation of internal audits and gap analysis and corrective actions to ensure compliance.



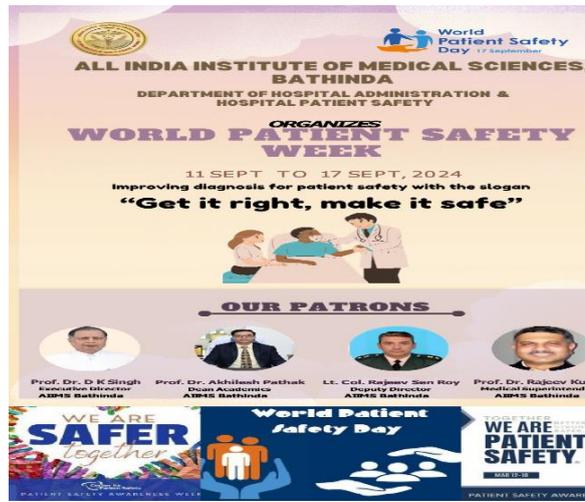
NABH Accreditation Progress

For NABH Entry-Level Accreditation, we are in the process of finalizing and implementing all required documents and SOPs across departments. We are ensuring all processes are in place while simultaneously preparing various SOPs

In process of floating entry level NABH application

Patient Safety & Services

- Organized “World Patient Safety Week” with active participation of multiple departments.
- Initiated SOPs for 30 standard operating procedures such as Disaster Management, Medicolegal, Brought dead, Mortuary ect



Hospital Administration Patient safety week





PATIENT SAFETY CYCLING AWARENESS EVENT



Spoke on Role of hospital administration in tackling AMR: Formulary restriction on WORLD AMR AWARENESS WEEK (WAAW 2024)

<p>22 November 2024</p>	<ol style="list-style-type: none"> 1. Community Visit to Rural Health Centre 2. Correct blood sampling technique demonstration in CCU and Cardiology 	<p>Dr. Mintu Pal, Dr. Madhur Verma (Coordinator: Muskan Gupta)</p> <p>Dr. Bhawna, Dr. Jai Ranjan (Coordinator: Amanpreet)</p>
<p>23 November 2024</p>	<ol style="list-style-type: none"> 1. Visit to college (MRSPTU) with posters 2. Hand Hygiene technique and 5 moments of Hand Hygiene in SICU and MICU 	<p>Dr. K.Purushottam, Dr. Abhinav (Coordinator: Dr. Dhruv)</p> <p>Dr. Kamlesh, Dr. Sivanantham (Coordinator: Amanpreet)</p>
<p>24 November 2024</p>	<ol style="list-style-type: none"> 1. Media Outreach: Community awareness via news column in local newspaper 2. Hand Hygiene technique and Antimicrobial resistance awareness among HA and SA 	<p>Dr. K. Purushottam, Dr. Mintu Pal, Dr. Rachna</p> <p>Dr. Vikas Kumar, Dr. Sivanantham (Coordinator: Muskan Gupta)</p>
<p>4:10-4:30 pm</p>	<p>Interventions for containment of Antimicrobial Resistance: Antimicrobial Stewardship</p>	<p>Dr. Gagandeep Kwatra Moderator: Dr. Arvinder, Dr. Mintu</p>
<p>4:30-4:50 pm</p>	<p>Interventions for containment of Antimicrobial Resistance: Infection Prevention and Control</p>	<p>Dr. Sivanantham Moderator: Dr. Kamlesh, Dr. Kam</p>
<p>4:50-5:10 pm</p>	<p>Role of hospital administration in tackling AMR: Formulary Restriction</p>	<p>Dr. K.Purushottam Moderator: Dr. Abhinav, Dr. Mooni</p>

Invited to speak on Workshop under the scheme-Development of Nursing Services MoHFW, New Delhi 13-02-2025 to 19-02-2025



Attended North east patient patient safety conclave

Invited to be a panellist at National Conference -HART 2025 National Conference at PGI Chandigarh



3rd National Conference Hospital Administration: Recent Trends (HART) 2025 Innovate, Integrate, Elevate 24th - 26th April, 2025



under the aegis of Hospital Administration Trust

Chairperson
Prof. Vipin Koushal

Ref. No. HART/2025/60

Dated 15/3/25

Co-Chairperson
Prof. Ashok Kumar

To
Dr K. Purushottam
Nodal Officer, Patient Safety
AIIMS, Bhatinda

Organising Secretary
Dr. Pankaj Arora

Subject: Invitation to be a Panellist in Panel Discussion at HART 2025

Co-Organising Secretary
Dr. Saru Sethi

Dear Dr Purushottam,

Joint Organising Secretary
Dr. Navneet Dhaliwal
Dr. Shweta Talati

I hope this letter finds you well. It is with great pleasure that we invite you to be a Panellist in Panel Discussion on *Building and Sustaining Patient Safety Cells in Health Facilities: Structure, Stakeholders, Roles, and Implementation Strategies* during our conference **Hospital Administration Recent Trends (HART) 2025**, scheduled to be held at **Postgraduate Institute of Medical Education & Research (PGIMER), Chandigarh, from 24th to 26th April 2025**.

Treasurer
Dr. Vijay Tadia

HART 2025 aims to bring together thought leaders, academicians, and professionals to discuss the latest advancements in hospital administration. Your expertise and insights into preparing administrative professionals for future challenges would be invaluable to our delegates comprising Hospital Administrators, Engineers/Architects, Hospital Founders/Promoters, Medical Practitioners, Nursing Administrators, Academicians and Researchers, Students of Hospital and Healthcare Management, Public Health Experts, Medical Law Experts and other Healthcare experts from across the country.

Executive Members
Dr. Mahesh Devnani
Dr. Ranjana Singh
Dr. Navin Pandey
Dr. Raman Sharma

We would be honoured to have you share your knowledge on the very important topic of Patient Safety given your role as Nodal Officer, Patient Safety at AIIMS, Bhatinda



DEPARTMENT OF MICROBIOLOGY

Name of the Department	Microbiology
Head of the Department	Dr Kamla Kant

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Kamla Kant	Associate Professor	12-12-2019
2.	Dr Sivanantham K	Associate Professor	08-11-2019
3.	Dr. Jai Ranjan	Assistant Professor	23-07-2022
4.	Dr. Bhawna Sharma	Assistant Professor	04-10-2022

II. Brief Introduction of the department:

The Department of Microbiology of AIIMS Bathinda is providing diagnostic facilities for various infectious diseases. The Department was functioning with COVID-19 RT-PCR lab and new facility for bacterial culture and rapid diagnosis of viral markers was started in July, 2022. Since then, the department has grown leaps and bounds and currently all bacteriological culture and sensitivity testing (Blood culture, Urine culture, Stool culture, Pus/Tissue culture, Sterile body fluids culture, Respiratory culture) and special stains for Leprosy and Tuberculosis are being undertaken in our department.

With the Medical college level Viral Research and Diagnostic Laboratory being sanctioned by the Department of Health Research, the Department is striving to get the ground work for the VRDL ready which will provide necessary viral diagnostic facilities to the people of Bathinda and surrounding areas.

In addition, the department undertakes teaching activities for MBBS (100 students) and Nursing courses (60 Students).

III. Patient care Data:

For Diagnostic departments:

SI No	Category/ Name of test	Number
	MYCOLOGY	
1.	Microscopy KOH/CFW	2926
2.	Microscopy India Ink	259
3.	Microscopy GMS Stain	18
4.	Fungal Culture (All Specimens)	2588
	PARASITOLOGY	
5.	Malaria Antigen Test	1891
	SEROLOGY	
6.	WIDAL TEST	1065
7.	Rapid Plasma Reagin	1072
8.	ELISA For Leptospira IgM	524
9.	ELISA For IgM Antibody Detection For Scrub Typhus	522
10.	Brucella Standard Agglutination Test	517
	VIROLOGY	
11.	Dengue NS1 Antigen	1632
12.	Dengue IgG/IgM Antibody	1430
13.	HCV RDT	39202
14.	HbsAg RDT	39149



15.	HIV RDT	39152
	Recently Introduced ELISA for Viral Infections	
16.	HSV IgM ELISA (Recently started)	4
17.	Hsv 2 IgM ELISA (Recently started)	1
18.	HAV IgM ELISA (Recently started)	4
19.	Rubella IgG ELISA (Recently started)	1
20.	HSV IgG ELISA (Recently started)	1
	INFECTION CONTROL LAB	
21.	Surveillance culture samples	859
	Bacteriology	
22.	Bacterial Culture (Stool Culture (Enteric Pathogens)	243
23.	Bacterial Culture (Urine Culture/Sensitivity)	16993
24.	Bacterial Culture for Sterile Body Fluids (Culture and Sensitivity)	2037
25.	Bacterial Culture of All Specimens (Including Smear Microscopy and Susceptibility Tests)	7550
26.	Blood culture	9590
27.	Smear For Bacteria (Gram Stain)	624
28.	Albert Stain Throat Swab Smear (Diphtheria)	15
	Tuberculosis	
29.	AFB Stain For All Samples	3319

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference* - 2 (Dr Sivanantham K)

1 (Dr. Bhwana Sharma)

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr Kamla Kant	TROPACON 24	Speaker and chair	AIIMS Guwahati
2	Dr Kamla Kant	NW-MICROCON 25	Chair ASM	Adesh university
3	Dr Kamla Kant	Orientation workshop for VRDL	workshop	ICMR-DHR, Delhi
4	Dr Kamla Kant	Learning resource package for priority zoonotic diseases	Invited expert	NCDC, MoHFW New Delhi
4	Dr Sivanantham K	Colistin Susceptibility Testing Methods	Meeting on Strengthening the quality of AMR surveillance using automated AST system.	JIPMER, Puducherry on 29-July-2024
5	Dr Sivanantham K	Infection Control and Prevention Practices in AIIMS Bathinda	6 th ASPICON	PGIMER, Chandigarh on 22-25 -Aug-2024
6	Dr Bhawna Sharma	Isolation of <i>Cedecea lapagei</i> in a case of pleural empyema: A Rare Emerging XDR organism”	ASPICON 2024	SASPI



V. Faculty achievements –awards, honours etc

Sl No	Name of faculty	Award/honour	Event	Organised by
1	Dr Kamla Kant	Foundation member	SASPI	SASPI
2	Dr Kamla Kant	Editorial board member	JASPI	SASPI
3	Dr Sivanantham K	Section Editor	Journal Autopsy – JASPI Journal	JASPI under SASPI
4	Dr Sivanantham K	In-charge - DSP and IPS in the JASPI Autopsy	Journal Autopsy – JASPI Journal	JASPI under SASPI
5	Dr. Jai Ranjan	Diplomate of Royal College of Pathologists (DipRCPath), London, United Kingdom	Inducted as a Diplomate of the Royal College of Pathologists, London, after passing FRCPath Examination	Royal College of Pathologists, London
6	Dr. Jai Ranjan	Certificate course in “Antimicrobial Stewardship for Healthcare Professionals”	Completed certificate course jointly organised by IDSA, CIDS and CMC Vellore	Infectious Disease Society of America (IDSA), Clinical Infectious Disease Society (CIDS) and CMC Vellore
7	Dr. Jai Ranjan	Certified Professional in Healthcare Quality Management (CPHQM)	Completed CPHQM course offered by CAHO	Shankar Netralaya Academy and Consortium of Accredited Healthcare Organisations (CAHO)
8	Dr. Jai Ranjan	Lean Six Sigma Green Belt	Granted Lean Six Sigma Green Belt by QCI	Quality Council of India (QCI)
9	Dr. Jai Ranjan	Associate Section Editor	JASPI journal	JASPI
10	Dr Bhawna Sharma	Editor	SASPI Newsletter	SASPI
11	Dr Bhawna Sharma	Journal Editor	International Journal of healthcare education and Medical informatics	International Journal of healthcare education and Medical informatics
12	Dr Bhawna Shrama	Journal Editor	Indian Journal of Communicable diseases	Indian Journal of Communicable diseases

VI. Research activities undertaken in the department:



SI No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects submitted					
1	Dr Kamla Kant	Mobile phone as a tool for improving surgical site infection surveillance in Indian health care system: A prospective observational study in Burn and Plastic surgery	intramural	Approved	Nil
2	Dr. Jai Ranjan	Microbiological profile of bloodstream infections and incidence of Infective Endocarditis in intravenous drug abusers in a tertiary care centre in Malwa region of North India	Intramural	Approved by Research Advisory Committee (RAC)	Nil
3	Dr Bhawna Sharma	COVID-19 vaccination and Neurological complications: A Retrospective observational study	ICMR	Completed	50,000
4	Dr Bhawna Sharma	In-vitro drug susceptibility pattern and clinical outcome of Carbapenem resistant Acinetobacter baumannii (CRAB) causing Ventilator Associated Pneumonia (VAP) in ICU settings: A prospective observational study	-	Completed	
5	Dr Jai Ranjan, Bhawna Sharma	A phase-3, multicenter, randomized, open-label, Assessor-blind study to evaluate the efficacy and safety of mino-lok therapy (MLT) in combination with systemic antibiotics in the treatment of catheter-related or central line associated blood stream infections	-	Completed	
6	Dr Bhawna Sharma	Discover the diagnostic markers of HLA and Non-HLA genetic variations in Neuromyelitis optica spectrum disorder (NMOSD) and Myelin oligodendrocyte glycoprotein antibody	ICMR	Submitted	-



		disease (MOGAD)- the translational approach			
7	Dr Bhawna Sharma	Prevalence of Hypervirulence-associated Genes in Hypermucoid <i>Klebsiella pneumoniae</i> : A Multicentric Observational study	-	Submitted	-
8	Dr Bhawna Sharma	Evaluation of a novel herbal antiseptic formulation – SEPIL for the treatment of chronic limb ulcers and pressure ulcers: A randomized, double-blind, placebo-controlled study	-	Submitted	-
Project ongoing: 1					
1.	Dr Kamla Kant	setting up of national -wide network of laboratories for management of epidemics and calamities- VRDL- ICMR-DHR	ICMR-DHR	5years	19860967
2.	DrSivanantham K	“Causation and prevalence of <i>Coxiella burnetti</i> in human abortions and its genetic relatedness in ticks”	ICMR PROJECT ID – 2021-10660;	2nd year fund received and project is ongoing.	Rs. 5,01,946/- (for 2 nd year)
3.	Dr. Sivanantham K, Colloboration with CFM department	Regional Coordinator center and Sentinel Surveillance for Zoonotic Disease under NOHPPCZ	Extramural - NCDC	(Ongoing)	Rs. 19,82,948/-
4.	Dr Bhawna Sharma	Exploring knowledge gaps in the management of stroke stat (acute ischaemic stroke)- AN observational study from a tertiary care hospital.	-	Ongoing	
5.	Dr Bhawna Sharma	Evaluation of in-vitro Synergy between Aztreonam and Ceftazidime-Avibactam among clinical isolates of Carbapenem Resistant Enterobacterales (CRE): A prospective observational study from North India	-	Ongoing	
6.	Dr Bhawna Sharma	Genomic and transcriptomic characterization of <i>Stenotrophomonas sepilia</i>	-	Ongoing	



		and decipherment of its virulence potential			
7.	Dr Bhawna Sharma	Assessment of Knowledge and Awareness on Antibiotics use and Antimicrobial resistance among different population groups of North India: A Multicentric Cross-Sectional study	-	Ongoing	

VII. Papers and Books/chapters published by the department:

1. Kumar A, Asghar A, Raza K, Narayan RK, Jha RK, Satyam A, Kumar G, Dwivedi P, Sahni C, Kumari C, Kulandhasamy M, Motwani R, Kaur G, Krishna H, Kumar S, Sesham K, Pandey SN, Parashar R, **Kant K**. Shift in Demographic Involvement and Clinical Characteristics of COVID-19 From Wild-Type SARS-CoV-2 to the Delta Variant in the Indian Population: In Silico Analysis. *Interact J Med Res*. 2024
2. Forensic Microbiology: Reveal the Microbial Signatures in Criminal Investigations; **Kamla Kant**, Ajay Kumar, 2025, Punjab Academy of Forensic Medicine & Toxicology JOURNAL OF ISSN: 0972-5687
3. Raj A, Gupta V, **Krishnamoorthi S**, Kaur H, Saini V. Effect of the staging of rhino-orbital-cerebral mucormycosis on its management and clinical outcome. *Indian Journal of Ophthalmology*. 2024;72(10): 1519-23. DOI: 10.4103/IJO.IJO_2799_23
4. Sharma M, **Krishnamoorthi S**, Sreenivasan P, Verma S, Rana S, Pal L, et al. Evaluation of prevalence, predisposing factors, inter-species differences in clinical profile and outcome of Campylobacter blood-stream infections: A 7-year experience from north India. *Journal of the Epidemiology Foundation of India*. 2024;2(3): 119-27. <https://doi.org/10.56450/JEFI.2024.v2i03.008>
5. Singh H, Panda PK, Patro SP, Rai S, Shastry A, Sholanki B, et al. Integrated Antimicrobial Stewardship in India: Consensus on Best Practices, Current Baseline, and Identified Barriers. *Journal of Antimicrobial Stewardship Practices and Infectious diseases*. 2024;2(4): 32-45. **Group Author** <https://doi.org/10.62541/jaspi054>
6. **Krishnamoorthi S**. Rhinosporidiosis. *Trop Parasitol*. 2025 Jan-Jun;15(1): 54-55. doi: 10.4103/tp.tp_18_25. Epub 2025 Apr 5. PMID: 40433646; PMCID: PMC12105775.
7. Negi T, Rajan N, Saini V, Gupta V, Mohan A, Rana MK, Ramniwas, **Krishnamoorthi S**. Recent Trend of Surge in Pulmonary involvement in Sinonasal Mucormycosis: A Case Series: Pulmonary involvement in Sinonasal Mucormycosis. *Indian J Otolaryngol Head Neck Surg*. 2025 Jul;77(7): 2636-2643. doi: 10.1007/s12070-025-05523-3. Epub 2025 May 16. PMID: 40503136; PMCID: PMC12149055.
8. Sharma B, **Ranjan J**, Aggarwal A, Jangra P, Jabbal HS, Kant K. *Cedecea lapagei* as an emerging extensively drug-resistant microorganism: A case report in a patient with pleural empyema and literature review. *Microbes & Immunity*. 2024 Oct 21;1(2): 100–5.
7. Sinha R, Raj R, **Ranjan J**, Rana S, Sharma R, Jha RR, et al. HIV status of three mining districts of a tribal state in India: Evidence from ICTC data. *J Family Med Prim Care*. 2024 Dec;13(12): 5812–7. PMID: 39790773.
8. Lakhnopal V, **Sharma B**, Upadhyay P, Kant K. COVID-19 vaccination and neurological complications: A cross-sectional observational study from a tertiary care centre of North India. *Trop Doct*. 2025;55(2): 100-103.
9. **Sharma B**, Ranjan J, Aggarwal A, Jangra P, Jabbal HS, Kant K. *Cedecea lapagei* as an emerging extensively drug-resistant microorganism: A case report in a patient with pleural empyema and literature review. *Microbes & Immunity* 2024, 1(2), 100–105.



10. Lakhanpal V, Peer S, **Sharma B**. Teaching neuroimage: PML presenting as tumefactive demyelination in an immunocompetent person. *J Clin Neurosci*. 2025;136: 111229.
11. Ranjan R, Lakhanpal V, **Sharma B**, Wander A. Acute disseminated encephalomyelitis following intralesional MMR vaccination: A rare case report and mini review. *Microbes & Immunity* 6190.
12. Lakhanpal V, Peer S, **Sharma B**. Oro-facial-digital syndrome type 1 and neuronal migration disorders. *BMJ Case Rep*. 2024;17(6)
13. Mahindroo J, Narayan C, Modgil V, Kaur H, Shahi V, **Sharma B**, et al. Antimicrobial resistance in food-borne pathogens at the human-animal interface: Results from a large surveillance study in India. *One Health*. 2024;18: 100677
14. Lakhanpal V, Peer S, Singh R; **Sharma B**. Mitochondrial membrane protein-associated neurodegeneration presenting with pure motor neuropathy: A rare case report and review of the literature. *Annals of Movement Disorders*; 7(2): 128-30.
15. Lakhanpal V, Ray S, Chakravarty K, **Sharma B**, et al. Establishing continuum in Transcranial Doppler characteristics of IIH, migraine and healthy controls- An exploratory study. *Clin Neurol Neurosurg*. 2024;240: 108240

Research Papers, Book/Book Chapters, i10-index, h-index:

Dr. Sivanantham K

- 7) Research papers – 5
- 8) Book/Book chapter - 0
- 9) i10 index* - 6
- 10) H index* - 6

Dr. Jai Ranjan

1. Research papers: 18
2. Book/Book chapter: 01
3. i10 index*: 5
4. H index*: 7
5. Citations: 170

Dr. Bhawna Sharma

1. Research papers: 8
2. Book/Book chapter
3. i10 index*: 5
4. H index*: 7

VIII. Key Highlights and Departmental Activities:

Infection Prevention and Control, Microbiology (FY 2024-25)

- a. Training towards various HCW groups – 36 sessions
- b. Training towards ICUs/Wards (ICUs-6; Wards-10) – 16 sessions
- c. Training for Laboratories – 5 sessions
- d. Training for supporting services (CSSD/Laundry) – 3 sessions
- e. Training towards academic students (MBBS, Nursing) – 4 sessions
- f. Hand Hygiene week celebration – 1 week (May 1 to 5)
- g. WAAW week – Hand hygiene training – 1 session
- h. Patients safety Week - BMW & NSI Hands-on session

IX. Thesis Supervised (MD/MS): Number: 6 (Dr Sivanantham K as Co-guide)

Dr. Sivanantham K: As co-supervisor for Five (6) MD/MS students.

1. Outcome of single dose prophylactic antibiotic on surgical site infection in elective laparoscopic cholecystectomy with accidental bile spillage – a prospective observational study by Dr. Ujjwal Bansal, Department of General Surgery (2021-24) (Completed by June 2024).
2. Comparison of treatment outcome in Pneumonia Patients diagnosed with Multiplex PCR Panel vs Routine Culture -A Comparative Trial by Dr. Akashdeep Bhatia, Department of Microbiology (2023-2026).

3. Treatment outcomes of the extent of surgical debridement and voriconazole therapy in immunocompetent patients with sinonasal invasive aspergillosis: A Prospective Observational Pilot study by Dr. Anurag Kajrati, Department of ENT (2023-26).
4. Impact of HbA1c Levels on the Progression and Outcomes of Mucormycosis in Diabetic Patients: Ambispective Cohort Study by Dr. Ayushi Sharma, Department of ENT (2023-26).
5. Clinical and microbiological profile of febrile Neutropenia (FN) episodes in children with malignancies–Hospital-based prospective observational study by Dr. Jayprakash, Department of Paediatrics (2024-2027).
6. Assessment of Health System Preparedness for zoonotic diseases under One Health Program in district Bathinda: A mixed method study by Dr. Nitin, Department of Community and Family Medicine (2024-27).

X. Other Notable Achievements (in numbers): *

Dr. Jai Ranjan

1. Contributed to December 2024 newsletter of Society of Antimicrobial stewardship Practices in India (SASPI)
2. Selected as member of Quality and Ethics Committee of SASPI
3. Selected as member of Practice Guideline committee of SASPI



Patient Safety Week in various areas of AIIMS Bathinda.



Training for Training of Nursing Officers and Residence in ICUs.



A training session for the Security officer on BMW management, cleaning and sanitation, hand hygiene, and spill management was conducted.



SA/HA training session on BMW management, cleaning and sanitation, hand hygiene, spill management



Training for MBBS students in LT



A training session for CSSD and Laundry staff on infection control measures.



DEPARTMENT OF NEPHROLOGY

Name of the Department	Nephrology
Head of the Department	Dr Saurabh Nayak

1. Faculty Details.

Sr.	Name of faculty	Designation	Date of Joining
(a)	Dr. Saurabh Nayak	Associate Professor	03 Nov 2023
(b)	Dr. Nabadwip Pathak	Assistant Professor	20 Jan 2024

2. **Brief Introduction of the department.** We have started Haemodialysis services since 8th of October 2022. So far more than 2000 Haemodialysis sessions have been undertaken. Continuous renal replacement therapy (CRRT) is also functional in the unit and so far 12 patients have undergone successful CRRT in critically ill state in various ICUs. We are also providing bedside Slow Low Efficiency Dialysis in all the four ICUs AIIMS, Bathinda have. Plasmapheresis is being conducted in Dialysis unit for Gullian Barre Syndrome, CIDP, AMSAN, Myasthenia gravis, and severe acute hepatitis. SO far more than 200 sessions of Plasmapheresis sessions have been conducted successfully. Our Interventional Nephrology program is on full swing. We have conducted Hands-on Workshop of CAPD catheter insertion where in DM students from various neighbouring medical colleges have participated. We also provide Dialysis access creation to CKD end stage patients viz. Tunnelled cuffed catheter placement, CAPD catheter placement, AVF creation, Femoral Catheter placement and Access correction surgeries. We have performed 350 Kidney Biopsies since the initiation of nephrology services (Sept 2021). We have provided technical inputs to initiate Pradhan mantri National Dialysis Programme- CAPD to DMRE, State of Punjab.

3. Research activities undertaken in the department.

(a) Number of **Project Sanctioned** with the name of Funding Agency: 1 (GIGH, Australia).

(b) Project Sanctioned with amount (Pl. mention the amount only): up to 25 Lacs
Number of **Project Submitted** with the name of Funding Agency: 1 (PGIMER, & Welcome Trust UK)

Number of Project undergoing with the name of Funding Agency: up to 5 Lacs.

Sr	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc	Status (ongoing/completed)	Budget
<u>Projects Sanctioned.</u>					
(i)	Saurabh Nayak	TRACK study	Extramural (George Institute of Global health, Australia)	Ongoing	25 Lacs
<u>Projects Submitted.</u>					
(i)	Saurabh Nayak	AVOID Study	Extramural (PGIMER, & Welcome Trust UK)	Ongoing	5 Lacs
(ii)	Saurabh Nayak	Minolock Study	Extramural ()	Ongoing	16 Lacs
(iii)	Saurabh Nayak	DESi Study	Extramural (Zydus)	Ongoing	20 lacs



4. **Papers and Books/chapters published by the faculty.** Detail of Paper published with indexing database*3 (Dr Saurabh Nayak).

- (a) Clinical Characteristics and Outcomes of NELL1-Associated Membranous Nephropathy. January 2024 Kidney International Reports 9(1); DOI: 10.1016/j.ekir.2024.02.1405.
- (b) Intermittent Online Postdilution Hemodiafiltration versus High-Flux Hemodialysis in Non-critical Acute Kidney Injury: A Pilot Randomized Controlled Trial. November 2024 Saudi Journal of Kidney Diseases and Transplantation 33(5):674-687; DOI: 10.4103/1319-2542.389427.
- (c) Clinico-Epidemiological Profile of Patients with Chronic Kidney Diseases of Unknown Etiology: A Hospital-Based, Cross-Sectional Study from Central India. October 2024 Indian Journal of Nephrology 34(7 Suppl 1); DOI: 10.4103/ijn.ijn_68_23.

5. **Other important Highlights of the department.**

- (a) Number of Conferences Organized*: 1.
- (b) Number of Workshops Organized*: 1.
- (c) **CME on the Backbone of Critical Care.**
- (d) **Arterial Blood Gas Analysis.** On the occasion of world kidney day a CME was conducted on 14th March 2024 on the topic “the backbone of critical care-arterial blood gas analysis”.





1ST CAPD CATHETER INSERTION WORKSHOP WAS CONDUCT ON 14 FEB 2024





DEPARTMENT OF NEONATOLOGY

Name of the Department	Department of Neonatology
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I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr. Manish Swami	Assistant Professor	5 March 2024

II. Brief Introduction of the department:

The Department of Neonatology offers a comprehensive facility providing exceptional care for newborns. It features a state-of-the-art 9-bedded Level 3 Intensive Care Unit (ICU) for critical neonatal cases, a 4-bedded step-down unit for recovering infants, and a dedicated post-natal ward for continuous monitoring and support of mothers and newborns, with followup OPD services. Additionally, the department extends its services to perinatology, offering care and counseling for parents/couples with high-risk pregnancies.

III. Patient care Data:

For Clinical departments:

SI No	Category	Number
1.	Patients seen in OPD	272
2.	Total Admission	847
3.	Patients admitted in NICU	354
4.	Procedures performed A. Minor	120
5.	Perinatal clinic/other activity	10

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Manish Swami	Resource Faculty and Quiz master	15th National Conference of Indian Academy Of Pediatrics (IAP) Neonatology Chapter - IAP NEOCON Aug 30 - Sep 01, 2024	IAP (Indian academy of Pediatrics)
2	Dr. Manish Swami	Organising co-secretary	Learning brain waves: CME on basic EEG (9th August 2024)-	Department of Pediatrics, AIIMS Bathinda
3	Dr. Manish Swami	Antenatal parental counselling in TEF- Speaker	First conference on Esophageal Atresia and Tracheoesophageal Fistula (EAT 2025) in AIIMS Bathinda (20-22 march, 2025)	Department of Pediatrics Surgery, AIIMS Bathinda
4	Dr. Manish Swami	Organizing chairperson	Basic Neonatal Resuscitation workshop (2 march 2025)	IAP (Indian academy of Pediatrics)
5	Dr. Manish Swami	Resource Faculty	Preconference Workshop: "Avoiding Mechanical Ventilation" on 30th Aug 2024	IAP (Indian academy of Pediatrics)



6	Dr Manish Swami	Resource Faculty	NNF Shine, short courses in Neonatology for postgraduate students, in Govt medical college Faridkot- 4 June 2024	NNF (National Neonatology Forum)
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V. Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency with amount *-1

Number of **Project Submitted** with the name of Funding Agency*-3

Sl No	Name & designation of Co-PI	Title of the project	Source of Support Intramural/Extra mural	Status (ongoing/ completed)	Bud get
Projects sanctioned					
1	Dr Manish Swami, Assistant Professor as Co-PI PI- Dr. Saswati Behera (Assistant Professor, Department of Pediatrics Surgery)	To estimate the disease burden of congenital anomalies and factors affecting the same in in Populations in Malwa Region: An Ambispective Study	Intra Mural	Ongoing	-
Projects submitted					
2	Dr Manish Swami, Assistant Professor as Co-PI PI- Dr. Akhilesh Pathak (Professor, Department of Forensic Medicine)	Comparative Analysis of Fetal Age Estimation Using Gustafson’s method and Anthropometric Measurements	Intramural	Submitted for approval	-
3	Dr Manish Swami, Assistant Professor as Co-PI PI- Dr. Sanjeev Kumar (Associate Professor, Department of Ophthalmology)	Screening for Retinopathy of Prematurity using the 2021 International Classification of Retinopathy of Prematurity (ICROP 3) Guidelines: A Prospective Observational Study	Intramural Funding- AIIMS Bathinda	Submitted for approval	2,40,000/-
4	Dr Manish Swami, Assistant Professor as Co-PI PI- Dr. Gitanjali (Professor, Department of Bio chemistry)	Developing a collaborative model for the newborn screening for early detection of inborn error of metabolism in public health facilities of Bathinda, Punjab	Extramural Funding- ICMR	Submitted for approval	

VI. Papers and Books/chapters published by the department:

Journal of Pediatric Surgery Case Reports: Neonatal lactobezoar: a case report <https://doi.org/10.1016/j.epsc.2025.103034>

VII. Key Highlights and Departmental Activities:

Number of Conference Organized*-1

Number of Workshop Organized*-3

Conference

1. First conference on Esophageal Atresia and Tracheoesophageal Fistula (EAT 2025) in AIIMS Bathinda (20-22 march,2025)

Workshop/Training activity Organized

1. Cradle to care-Basic Neonatal Resuscitation skill workshop (16-18 october 2024) at AIIMS Bathinda
2. Basic Neonatal Resuscitation workshop (2 march 2025) at AIIMS Bathinda
3. Breastfeeding week celebration (2 august 2024) at AIIMS Bathinda (Along with Department of Obs and Gynaecology)

VIII. Thesis Supervised (MD/MS): Number- 2 (two)



First annual Conference on Tracheoesophageal atresia 20-22 March 2025 (EAT 2025)- aiming Antenatal Diagnosis, prognosis and management of TEF



As a part of Annual workshop Department of Neonatology gives NRP training to Undergraduate students from various colleges student from all over Punjab



Basic NRP Training for Postgraduate students, Nursing students from various institute of Bathinda



Breastfeeding week celebration in AIIMS Bathinda along with community awareness activity at outreach area (community level)



DEPARTMENT OF NEUROLOGY

Name of the Department	NEUROLOGY
Head of the Department	Prof. AKHILESH PATHAK

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	DR. VIKAS LAKHANPAL	ASSISTANT PROFESSOR	23.09.2022
2.	DR. ARECA WANGNOO	ASSISTANT PROFESSOR	24.04.2025

II. Brief Introduction of the department:

Vision: Transforming neurology through innovation and collaboration.

- **Patient Care:** Provide the highest quality clinical service that is the first choice for patients and referring physicians.
- **Research:** Be the leading engine of scientific discovery to advance neurological health and attract the world's best investigators.
- **Education:** Be recognized as the highest quality and innovators in education, attracting and developing the next generation of leaders in neurology.

We take pride in achieving worldwide renown for these equally valued and interrelated missions. We take pride in conducting ourselves and our business as professionals and with respect for our patients and colleagues, and we value the importance of diversity in our Department.

OUTPATIENTS SERVICES:

GENERAL OPD: General Neurology OPD caters patients suffering from various neurological disorders including headache, seizures, stroke, movement disorders, demyelinating disorders, neuromuscular disorders.

- SPECIALTY CLINICS/ SERVICES (DIAGNOSTIC AND/OR THERAPEUTIC)
- NEUROPHYSIOLOGY DIAGNOSTIC SERVICES

We have a state of art facility for doing Electroencephalography (EEG), Nerve conduction studies (NCS), Electromyography (EMG). We have Video EEG machine (Nihon Kohden Neuropack) and one NCS/EMG machine, 8 channel machine to record evoked potentials (Natus). The lab is run by experienced technical staff under the supervision of the faculty. Routine as well as special neurophysiological studies are undertaken in the department. The appointments for EEG/ NCS/ EMG studies are obtained from Neurology staff.

IN-PATIENTS DEPARTMENT:

The department caters to the need of serious patients by admitting them. We also admit patients with diagnostic dilemma.

PROCEDURES (DIAGNOSTIC AND/OR THERAPEUTIC) OFFERED BY THE DEPARTMENT:

The department offers following special procedures on OPD/IPD basis –

- Intravenous thrombolysis for acute ischemic stroke presenting in the window period i.e., within 4.5 hours of onset of symptoms.
- Botulinum toxin injection for patients with focal dystonia and spasticity.
- Neurophysiology procedures – Electrophysiology procedures including Nerve conduction studies (NCS), sympathetic skin response (SSR), electromyogram (EMG), electroencephalogram (EEG), Evoked potentials including visual evoked potentials (VEP),



brainstem auditory evoked potentials (BAEP), Somatosensory evoked potentials (SSEP).
Repetitive nerve stimulation (RNS)

- Nerve and muscle biopsy.
- Diagnostic and therapeutic lumbar puncture.

EXPANSION PLANNED FOR THE FUTURE:

- Plan to start Deep brain stimulation surgery for Parkinson’s disease and other movement disorders.
- Epilepsy monitoring unit(video EEG) and Epilepsy surgery program.
- Transcranial Doppler studies, setting up of Neurosonology lab.

III. Patient care:

For departments engaged in clinical patient care:

SI No	Category	Number
1.	Patients seen in OPD	15418
2.	Patients admitted in IPD	476
3.	Teleconsultations	-
4.	Procedures performed A. Major B. Minor	Lumber Puncture and CSF Manometry-250 Tensilon Test -30 Botox-30 Nerve and Muscle Biopsy -30
5.	Any other special clinic/activity	Movement Disorder Clinic-376 Patient Refractory Epilepsy Clinic-310 Patient Neuro-infectious Diseases Clinic-150

SI No	Name of Test	Number
1.	Nerve Conduction Study	933
2.	Electromyography Study	75
3.	EEG	1067
4.	Repetitive nerve conduction study	5
5.	Visual evoked potential	48
6.	Brain stem auditory evoked response	11
7.	SSR	18
8.	FACIAL STUDY	09

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference* 10

National conferences

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
1.	DR. VIKAS LAKHANPAL	Newer therapeutics in Parkinson’s disease at 2024	MAPICON	Malwa Association of Physicians
2.	DR. VIKAS LAKHANPAL	Poster presentation at IANCON 2024 at Vishakhapatnam	IANCON	IAN
3.	DR. VIKAS LAKHANPAL	Poster presentation ICTERIMS 2024. at Chandigarh	ICTERIMS	ICTERIMS
4.	DR. VIKAS LAKHANPAL	Talk on Precision Neurology at Indo-Japan Neurogenetics International Symposium, 3 rd December, 2024		CUPB



5.	DR. VIKAS LAKHANPAL	Poster Presentation at NCNO 2025 at Chandigarh	NCNO	NCNO
6.	DR. VIKAS LAKHANPAL	Poster presentation at MDSICON 2025 at Varanasi	MDSICON	

v. Faculty achievements –awards, honours etc

Number of Recognition Received (only from registered professional organization of national and international repute)—Recognition from IAN as Dr. Vikas Lakhapal became life member of Indian academy of Neurology

VI. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1.	DR.VIKAS LAKHANPAL	Screening of neurochemical, amyloid precursor protein (APP) and mitochondrial Calcium Uniporter (MCU) in Down's Syndrome associated with Alzheimer's disease -A potential therapeutic strategy.	Extramural	On going	-
2.	DR.VIKAS LAKHANPAL	Screening of histone modifications and Mitochondrial DNA copy number variation in Parkinson's disease (PD) from Punjab population	Extramural	On going	-
3.	DR.Vikas Lakhapal	Redefining the diagnosis of cognitive disorders: Harnessing the potential of cognitive marker detection in blood platelet for early and accurate intervention	Extramural	On going	-
4.	DR.Vikas Lakhapal	“Multi-Omics integration for Parkinson’s disease: Genome india project-Based indentification of Genetic Biomarkers “	Extramural	On going	-
5.	DR.Vikas Lakhapal	Screening and evaluation of natural cyclin dependent kinase (CDK)-5 inhibitors in Chlopyrifos-associated dementia in ageing and elderly population.	Extramural	On going	-

VII. Papers and Books/chapters published by the department:

1. Dhoot S, Lakhapal V, (2024) Clinical Spectrum of Ophthalmic Manifestations in Myelin Oligodendrocyte Glycoprotein-Associated Disease (MOGAD): A Comprehensive Case Report, Ocular Immunology and Inflammation.



2. Lakhanpal V, Ray S et al, Establishing continuum in Transcranial Doppler characteristics of ITH, migraine and healthy controls- an exploratory study., *Clinical Neurology and Neurosurgery* 2024 <https://doi.org/10.1016/j.clineuro.2024.108240>
- 3.. Lakhanpal V, Peer S, Sharma B. Oro-facial-digital syndrome type 1 and neuronal migration disorders. *BMJ Case Rep.* 2024 Jun 5;17(6): e260264.
4. Lakhanpal V; Peer S; Singh R; Sharma, B. Mitochondrial membrane protein-associated neurodegeneration presenting with pure motor neuropathy: A rare case report and review of the literature. *Annals of Movement Disorders* (): 10.4103/aomd. aomd_3_24, June 03, 2024.
5. Singh R, Lakhanpal V, Dhoot SK, Peer S, Wander A. Pie in the sky appearance – Unraveling rheumatic heart disease in a pediatric stroke. *J Neurosci Rural Pract.* 2024;15: 607-9. doi: 10.25259/JNRP_158_2024.
6. Beura, S.K., Lakhanpal V, Yadav, P. et al. Role of Thrombosis in Neurodegenerative Diseases: An Intricate Mechanism of Neurovascular Complications. *Mol Neurobiol* (2024).
7. Lakhanpal V, Sharma B, Upadhyay P, Kant K. COVID-19 vaccination and neurological complications: A cross-sectional India. *Tropical Doctor.* 2024;0(0).
8. Singh R, Lakhanpal V, A R, Peer S, Wander A. Olivary Hypertrophy Induced Palatal Myoclonus in a Treated Case of Medulloblastoma. *Neuropediatrics.* 2024 Jun 19. doi: 10.1055/s-0044-1787745.
9. Lakhanpal V, Peer S, Sharma B. Teaching neuroimage: PML presenting as tumefactive demyelination in an immunocompetent person. *J Clin Neurosci.* 2025 Apr 7;136: 111229. doi: .1016/j.jocn.2025.111229.
10. Peer S, Wander A, Singh R, Lakhanpal V. "Frog face and strangulated medulla": neuroimaging phenotype in a novel mutation in GFAP gene causing adult onset Alexander disease. *Neurol Sci.* 2025 Apr 8. doi: 10.1007/s10072-025-08161-3
11. Rajeev Ranjan, Vikas Lakhanpal, Bhawna Sharma, Arvinder Wander. Acute disseminated encephalomyelitis following intralesional MMR vaccination: A rare case report and mini review. *Microbes & Immunity* 6190.
12. B. Vellingiri, H.W.S. Babu, M. Iyer, S.M. Kumar, J. Prakash, D.H. Reddy, V. Lakhanpal, Evaluation of genetic alterations in MT-ND2 gene, common risk factors and clinical phenotypes in Parkinson's disease (PD) patients, *Parkinsonism & Related Disorders*, Volume 134, 2025, 107399, ISSN 1353-8020,

Detail of Paper published with indexing database*12

- 1) Research papers-- Vikas Lakhanpal-12
 - 2) Book/Book chapter-- None
 - 3) i10 index-2
 - 4) H index--5
- II. **Other important Highlights with relevant photographs of the department:**
Training activity for NIHSS certification of resident doctors and nursing officer conducted by department of neurology.
- III. Number of Thesis Supervised MD/MS- At present Dr. Vikas Lakhanpal is Co-guide of three Post graduate students and two PHD students
- IV. Started DM neurology courses at AIIMS Bathinda (First student joined)



DEPARTMENT OF NEUROSURGERY

Name of the Department	NEUROSURGERY
Head of the Department	DR SARVPREET SINGH GREWAL

I. Faculty Details:

Sr.no	Name of faculty	Designation	Date of Joining
1	DR SARVPREET SINGH GREWAL	PROFESSOR	16-12-2022
2	DR HARKARAN SINGH SAHNI	ASSISTANT PROFESSOR	16-03-2024

II. Patient care Data:

Sr.No	Category	Number
1.	Patients seen in OPD	8902
2.	Patients admitted in IPD	1110
3.	Teleconsultations	-
4.	Procedures performed	
	A. Major	449
	B. Minor	425
5.	Any other special clinic/activity	-

III. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	DR. SARVPREET SINGH GREWAL	4 TH INTERNATIONAL CONFERENCE OF RSACPCON 2025, AIIMS BATHINDA	28 TH -30 TH MARCH 2025	ORGANIZING COMMITTEE, RSACPCON 2025 AIIMS, BATHINDA
2	DR. HARKARAN SINGH SAHNI	4 TH INTERNATIONAL CONFERENCE OF RSACPCON 2025, AIIMS BATHINDA	28 TH -30 TH MARCH 2025	ORGANIZING COMMITTEE, RSACPCON 2025 AIIMS, BATHINDA
National conferences				
4	DR. SARVPREET SINGH GREWAL	33 RD ANNUAL NATIONAL CONFERENCE OF RSACPCON 2025, AIIMS BATHINDA	28 TH -30 TH MARCH 2025	ORGANIZING COMMITTEE, RSACPCON 2025 AIIMS, BATHINDA
5	DR. HARKARAN SINGH SAHNI	33 RD ANNUAL NATIONAL CONFERENCE OF RSACPCON 2025, AIIMS BATHINDA	28 TH -30 TH MARCH 2025	ORGANIZING COMMITTEE, RSACPCON 2025 AIIMS, BATHINDA

IV. Faculty achievements –awards, honours etc

Sr. No	Name of faculty	Award/honour	Event	Organised by
1	Dr Sarvpreet Singh Grewal	President Elect	9 th annual conference of Association of Neurosurgeons	Association of Neurosurgeons of North West zone

V. Research activities undertaken in the department:

Sr. No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Co-PI: Dr Sarvpreet Singh Grewal (Professor)	Pre-operative surgical planning of Pituitary Adenomas based on Magnetic resonance (MR) Elastography with Surgical and Immunohistopathological correlation" which has been approved by ICMR.	ICMR	Ongoing	27,00,000

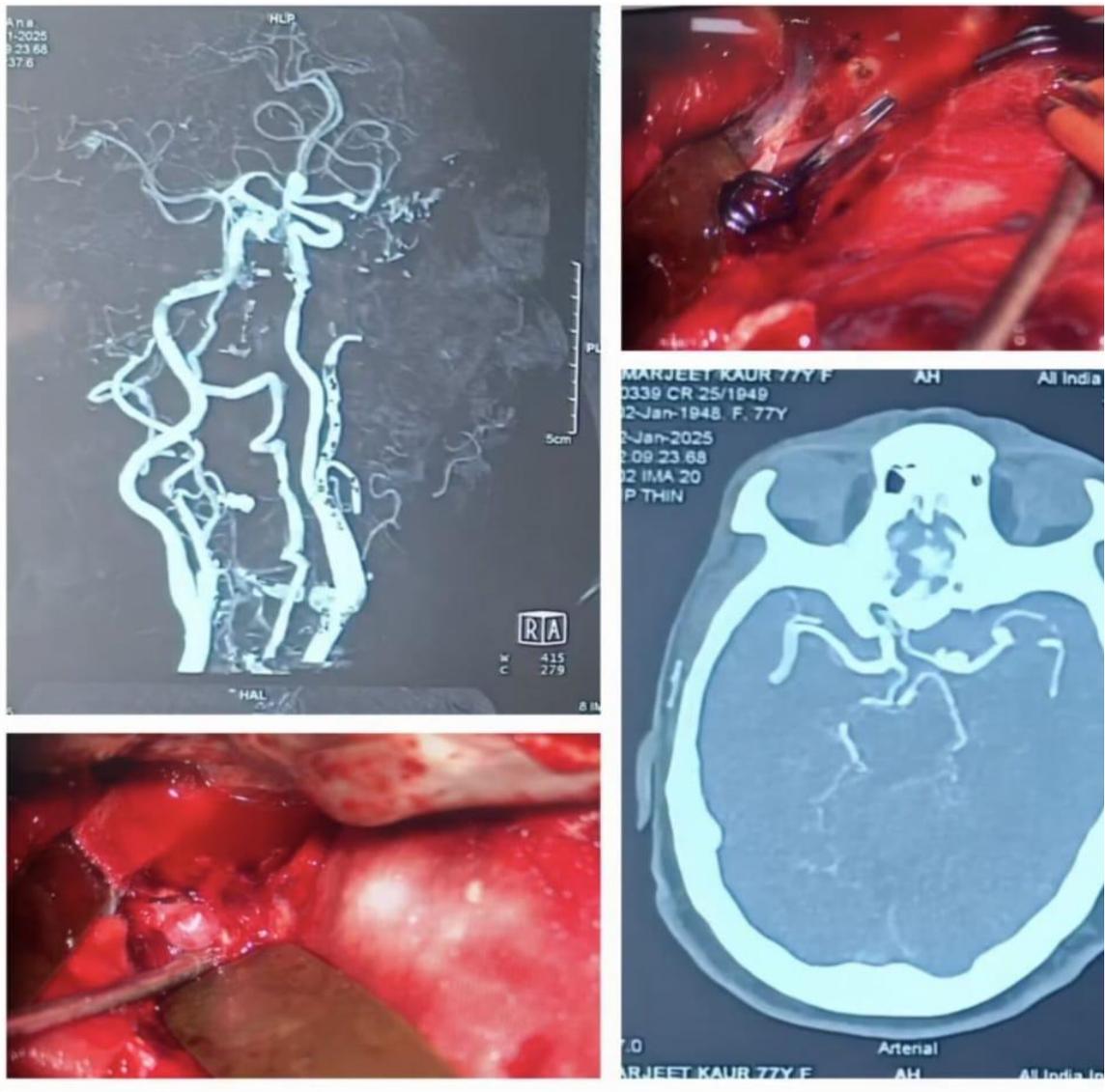
VI. Thesis Supervised (MD/MS): Number: __02

- Effect of ultrasound guided bilateral sphenopalatine ganglion block on post craniotomy pain in adult patients undergoing supratentorial
- Craniotomies: a prospective randomized controlled study.
- Functional outcomes in children with Traumatic brain injury: A prospective observational study.

CT and Intraoperative images of Neuro navigation guided endoscopic TNS pituitary Adenoma excision



Intraoperative images of endoscopic ICH evacuation



Intraoperative and CT Angio images of multiple intracranial aneurysms



DEPARTMENT OF NUCLEAR MEDICINE

Name of the Department	Nuclear Medicine
Head of the Department	Dr. Bhavay Sonik

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Bhavay Sonik	Associate Professor	23.10.2023

II. Brief Introduction of the department:

Nuclear Medicine is a super-specialty branch of Medicine that is based on Imaging physiological / metabolic changes of the various disease processes and thus characterise them at a much earlier stage as compared to Conventional imaging Modalities such as USG, X-Ray, IVP, CT scan, MRI, etc.

The branch deals with the use of unsealed / open radio-active tracers to provide information about the functions of specific organ at molecular level (Diagnostic Nuclear Medicine) and treatment of various diseases (Targeted Radio-nuclide therapy) like Hyperthyroidism and thyroid cancers using Radio-iodine (I-131), Metastatic Neuroendocrine tumors using Lu-177 DOTATATE (Peptide Receptor Radionuclide Therapy - PRRT), metastatic castration resistant prostatic cancers using Lu-177/Ac-225 PSMA, neural crest tumors like neuroblastoma using I-131 MIBG, HCC with Y-90 microspheres, Targeted Alfa therapies with Ac-225, Metastatic bone pain palliation (P-32, Sm-153 EDTMP etc.), radiation synovectomy etc.

Nuclear Medicine Department provides the diagnostic services with the use of PET/CT, SPECT/CT and Thyroid Uptake Probe & Well Counter System machines.

Infrastructure:

The Department is located in the Basement 2 of IPD block. As per the AERB approved Site Layout Map, space is available for installation of state-of-the-art PET/CT, SPECT/CT and Thyroid Uptake Probe Systems along with the provision for administering Low-Dose Iodine Therapy.

Services:

1. Installation of state-of-the-art PET machine received through CSR funds by the ONGC Ltd is on-going and it is expected that in-house PET-CT scan services will start in next coming 2-3 months.
2. Installation of state-of-the-art Thyroid Uptake Probe System with Well Counter is on-going and it is expected that in-house Radioactive Iodine Uptake Studies (RAIU) in thyrotoxicosis patients will start in next coming 2-3 months.
3. Low-Dose Iodine Therapy for patients of Graves Disease, Toxic MNG and AFTN will be available after the installation of Thyroid Uptake Probe System.
4. Special clinic (Thyroid Clinic) was started in Feb 2024.
5. Review of outside PET/CT scan is done on regular basis.
6. To help the patients - Appointments for various types of scans that are done on SPECT-CT (Gamma Camera) and PET-CT machines is arranged at PGIMER, Chandigarh.

**Vision:**

1. Recruitment of Additional Faculty on priority basis.
2. To get approval for the procurement and installation of state-of-the-art SPECT/CT scan services in near future.
3. For starting of IPD services - To get approval for construction of new building so as to start Targeted Radio-nuclide therapy in various malignancies.

III. Patient care Data:**IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute**

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr. Bhavay Sonik	PSMA PET/CT In Prostate Cancer: Evidence, Guidelines & Practice	22nd Annual Conference of the Association of Nuclear Medicine Physicians of India	PGIMER, Chandigarh on September 27-29, 2024.

VI. Papers and Books/chapters published by the department:

1. Co-authored a paper – published as original article – “Pilania C, Agrawal H, Pisudde PM, Sonik B, Gaur R. Factors determining the efficacy of guided intervention-based management of shoulder adhesive capsulitis secondary to breast cancer treatment: A prospective study. Indian J Phy Med Rehab 2025; 35: 100-5”.
Indexing database: DOAJ



DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Name of the Department	OBSTETRICS & GYNAECOLOGY
Head of the Department	DR LAJYA DEVI GOYAL

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining	Remarks
1.	Dr Lajya Devi Goyal	Professor & Head	09.11.2019	
2.	Dr Priyanka	Associate Professor	22.02.2020	Resigned 02/06/2025
3.	Dr Balpreet Kaur	Associate Professor	21.12.2019	
4.	Dr Nishu	Assistant Professor	20.11.2023	
5.	Dr Neena Singh	Assistant Professor	19.02.2024	

II. Brief Introduction of the department:

The Department of Obstetrics and Gynaecology is a vital part of any healthcare system, focusing on women's health and reproductive well-being. The department provides comprehensive care for women, addressing a wide range of health issues related to pregnancy, childbirth, and gynaecological conditions.

1. **Maternity Care:** Prenatal care, delivery services, and postnatal care.
2. **Gynaecological Care:** Diagnosis and treatment of gynaecological conditions, such as menstrual disorders, infertility, and menopause.
3. **Family Planning:** Counselling and services for contraception and family planning.
4. **High-Risk Pregnancy Care:** Specialized care for women with high-risk pregnancies.
5. **Gynaecological Surgeries:** Surgical procedures for conditions like fibroids, ovarian cysts, Mullerian development Disorders and cervical abnormalities.
6. **Infertility Services:** Intrauterine Insemination (IUI) and other fertility treatments to support couples struggling with conception. **IUI Started in September 2024.**
7. **Gynaecology Oncology:** Management and treatment of gynaecological cancers, such as cervical, ovarian, and uterine cancer, often involving collaboration with oncologists and other specialists." **Started MCh gynaecology Oncology course.**
8. **Minimally invasive surgeries:** Department is performing advanced gynae endoscopic surgeries related to infertility and gynaecological disorders.

Academics:

The department is also committed to teaching and training:

- **Started programme MCh in Gynaecology Oncology**
- MBBS and PG teaching programs in Obstetrics and Gynaecology
- **First batch of PGs passed with gold and silver Medals.**
- Provides Clinical training and hands-on experience for students
- Research opportunities and academic excellence
- Two students has successfully completed ICMR STS project under the faculty supervision.
- CMEs and workshop were organised for endoscopic surgeries
- Three workshop were organised in different medical colleges of Punjab on the topic of reduction of maternal mortality due to post-partum haemorrhage.

III. Patient care Data:

For Clinical departments:



SI No	Category	Number
1.	Patients seen in OPD	27311
2.	Patients admitted in IPD	5196
4.	Procedures performed	
	A. Major	491
	B. Minor	753
5.	Any other special clinic/activity	
	Day Care	290
	IUI	20
	PAP	816
	USG	851
	Colposcopy	53
6.	i) Total no. of deliveries	783
	ii) Total NVD	229
	iii) Total LSCS	546
	iv) Instrumental- Forceps	08
	vii) Total alive births	767

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference* 5

Lectures delivered

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr.Lajya Devi Goyal	<i>Maternal Sepsis and Diagnosis and Management</i>	RSACPCON 2025 Obstetric emergencies and critical incidents (28-30 March 2025) 4 th International Conference	Dept. of Anaesthesia AIIMS Bathinda
National /Regional conferences				
1	Dr.Lajya Devi Goyal	<i>Introduction to tech-interventions: Uterine Balloon tamponade & NASG</i>	State Level Workshop Organised on Tech Interventions for maternal mortality Reduction dated on 07/02/2025	Government Medical College Amritsar.
2	Dr.Lajya Devi Goyal	<i>Introduction to tech-interventions: Uterine Balloon tamponade & NASG</i>	State Level Workshop Organised on Reduction in post-partum Haemorrhage related maternal mortality with low- cost interventions dated on 03/12/2024	GGSMCH Faridkot
3	Dr.Lajya Devi Goyal	<i>Introduction to tech-interventions: Uterine Balloon tamponade & NASG</i>	State Level Workshop Organised on Tech Interventions for maternal mortality Reduction dated on. 30/08/2024	GMCH Patiala.
4	Dr.Lajya Devi Goyal	<i>Lecture on Maternal Mortality reduction</i>	MAPICON 2024 (26-29 September 2024)	Association of Physicians of India (Malwa Branch)



5	Dr.Lajya Devi Goyal	Penalist in ``Case based panel discussion on contraceptives".	Webinar on MTP and Contraception special under aegis of MTP Committee FOGSI chapter on 09/04/2024	NIGF Punjab
6	Dr.Lajya Devi Goyal	Diellimas in ovarian Ovarian cyst: Diagnosis and Management.	CME on Ovarian disorders 12/05/2024	Adesh Institute of medical sciences Bathinda.
7	Dr.Lajya Devi Goyal	``Prevention and management of catheter associated Urinary tract infections."	Conference on Urogynecology 26/05/2024	Adesh Institute of medical sciences Bathinda
8	Dr.Lajya Devi Goyal	Common Gyne laparoscopic Surgeries:	IAGE Punjab Chapter Bathinda unit. 09/06/2024	IAGE
9	Dr.Lajya Devi Goyal	Crisis Management in HDP: Hypertensive Disorder in Pregnancy.	Clinical Updates Initiative by Gestosis India Association 3rd July 2024	Gestosis India Association
10	Dr.Lajya Devi Goyal	Patient safety initiative in Obstetrics: An Overview: in Workshop on `` Patient safety: Ensuring Excellence, Preventing Harm..	Workshop on `` Patient safety: Ensuring Excellence, Preventing Harm. Organised under MoHFW New Delhi on 22/12/2024	MoHFW
11	Dr.Lajya Devi Goyal	Presented Research Across the AIIMS: Current status and Vision at Pan AIIMS research Colloquium	Current status and Vision at Pan AIIMS research Colloquium Organized by AIIMS New Delhi on 29/01/2025.	AIIMS New Delhi
12	Dr.Lajya Devi Goyal	Moderator in session of Myomectomy and Ovarian Cyst.	EAGLE workshop Cum CME under aegis IAGE Punjab Chapter at AIIMS Bathinda on 24/08/2024	AIIMS Bathinda
13	Dr.Lajya Devi Goyal	Panelist in workup of SUI.	Webinar on Updates on stress incontinence. On OCT 8th 2024	SOVSI
14	Dr.Lajya Devi Goyal	Lecture on Introduction to research methodology	workshop on thesis writing on 4/11/2024 at AIIMS Bathinda	AIIMS Bathinda
15	Dr.Lajya Devi Goyal	Lecture on Ethics in research	workshop on thesis writing AIIMS Bathinda on 8/11/2024	AIIMS Bathinda
16	Dr.Lajya Devi Goyal	Penalist in Uterovaginal abnormalities from confusion to consensus in CME	Uterovaginal abnormalities from confusion to consensus in CME on 10/11/2024 at DMC Ludhiana	DMC Ludhiana
17	Dr Priyanka	Delivered a Lecture on "Micronutrients in Menopause"	At Southcon FOGSI South zone vice president	FOGSI



			Conference 2024 held on 18-21 July 2024	
18	Dr Priyanka	<i>Faculty participation as a Panelist in IAGE Eagle Workshop</i>	EAGLE workshop Cum CME under aegis IAGE Punjab Chapter at AIIMS Bathinda on 24/08/2024	AIIMS Bathinda
19	Dr Priyanka	<i>Faculty participation in Laparoscopy & Hysteroscopy</i>	Basic Laparoscopy and Hands on Training Program Organized by Department of Obstetrics & Gynaecology AIIMS Bathinda dated on 28/02/2025 to 01/03/2025	AIIMS Bathinda
20	Dr. Balpreet Kaur	<i>Panel discussion on contraception</i>	FDDCON on 16 June 2024	Dehradun
21	Dr. Balpreet Kaur	<i>Panel discussion</i>	UROGYNAECON May 2024	AIMSER Bathinda
22	Dr. Balpreet Kaur	<i>Diagnostic hysteroscopy</i>	IAGE Bathinda Chapter on June 2024	IAGE
23	Dr Nishu	<i>Training to tech-interventions: Uterine Balloon tamponade & NASG</i>	State Level Workshop Organised on Tech Interventions for maternal mortality Reduction dated on 07/02/2025	Government Medical College Amritsar.
24	Dr Nishu	<i>Cervical cancer prevention. Rode to eliminations</i>	Emerging Trends in cancers prevention and therapeutic interventions (26-27 September 2024)	Central University Punjab, Ghudda
25	Dr Nishu	<i>Awareness session on cancer prevention</i>	Word Cancer Day under aegis of DST-PURSE SCHEME (04/02/2025)	Central University Punjab, Ghudda
26	Dr Nishu	<i>Panel Ovarian Cancer (advanced)</i>	A CME on OVARIAN DISORDERS AN Enigma 12/05/2024	AIMSR and ACI Bathinda

V. Faculty achievements –awards, honours etc

S. No	Name of faculty	Award/honour	Event	Organised by
1	Dr.Lajya Devi Goyal	Chairperson	1 st conference of Esophageal Atresia and Tracheoesophageal Fistula (EAT2025) (20-22 March 2025)	Dept. of Paediatric Surgery and Neonatology
2	Dr.Lajya Devi Goyal	Guest Speaker	MAPICON 2024 (26-29 September 2024)	Association of Physicians of India (Malwa Branch)
	Dr.Lajya Devi Goyal	Chairperson	UROGYNAECON 2024 (26/05/2024)	Adesh Institute of Medical Sciences & Research (AIMSR) in



				Bathinda, along with the Bathinda Obstetrics & Gynaecology Society (BOGS)
4	Dr. Lajya Devi Goyal	Resource Person	Research Methodology workshop on thesis writing (04/11/2024 to 08/11/2024)	Research Advisory Committee AIIMS Bathinda
5	Dr. Lajya Devi Goyal	Resource Person	Research Methodology workshop on thesis writing (07/04/2025 to 10/04/2025)	Research Advisory Committee AIIMS Bathinda
6	Dr. Lajya Devi Goyal	Resource Person	Workshop on Patient safety and ensuring excellence preventing and research harm (17/12/2024 to 23/12/2024)	INER AIIMS Bathinda

VI. Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency with amount * 01

Number of **Project Submitted** with the name of Funding Agency* 01

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/completed)	Budget
Projects sanctioned					
1	Dr Lajya Devi Goyal	Management of Postpartum Haemorrhage related Maternal Mortality - Multicentric Holistic Approach involving ten districts of Punjab	Extramural Funded by mission Tandrust Punjab PSCST	Ongoing	88,50,000/-
Projects submitted					
1	Dr Nishu	To Investigate HPV Prevalence Rates and Expression of Genomic and Proteomic-based Molecular Markers in Cervical Specimens from a Tertiary Care Centre: A Pilot Study			NIL

VII. Papers and Books/chapters published by the department:

- Gupta, M., Kankaria, A., Joshy, **Goyal LD** L.E. et al. Community-based palliative care needs and barriers to access among cancer patients in rural north India: a Participatory action research. *BMC Palliat Care* **23**, 240 (2024). <https://doi.org/10.1186/s12904-024-01572-7>
- Bhatia, N., Kumar, S., **Goyal, L. D.**, & Thareja, S. (2025). Optimizing selective estrogen receptor degraders for anticancer drug development. *Future Medicinal Chemistry*, 17(6), 637–640. <https://doi.org/10.1080/17568919.2025.2467615>



3. Bindal P, **Goyal LD, Garg P.** Acquaintance and Acceptance of Menstrual Cups among Women of Reproductive Age: A Hospital-Based Cross-Sectional Study from North India. *Korean J Fam Med.* 2025 Jan 3. doi: 10.4082/kjfm.24.0083. Epub ahead of print. PMID: 39748189.
4. **Goyal, Iajya & goyal, suresh & goyal, shifali.** (2025). When the heart reveals hidden genes: role of recurrent fetal rhabdomyoma in identifying familial tuberous sclerosis. 10.13140/rg.2.2.10325.13281.
5. **LD Goyal, P Garg,** A Kankaria, N Kaur - *Journal of Cancer Research and Therapeutics*, 2025. The current status of cervical cancer awareness and HPV Vaccination among rural women of India: An impediment to the WHO cervical cancer elimination initiative.
6. Gupta, M., Kankaria, A., Joshy, **Goyal LD** L.E. et al. Community-based palliative care needs and barriers to access among cancer patients in rural north India: a Participatory action research. *BMC Palliat Care* 23, 240 (2024). <https://doi.org/10.1186/s12904-024-01572-7>
7. Deepika D, **Goyal LD.** *BMJ Case Rep* 2024;17: e252370. doi: 10.1136/bcr-2022- 252370
8. P Sharma, S Senapati, **LD Goyal,** B Kaur, P Kamra. Genome-wide association study (GWAS) identified PCOS susceptibility variants and replicates reported risk variants - *Archives of Gynecology and Obstetrics*, 2024.
9. Priya Sharma, Abhilash Kumar Singh, Sabyasachi Senapati, Harmanpreet Singh Kapoor, **Lajya Devi Goyal, Balpreet Kaur,** Pooja Kamra, and Preeti Khetarpal. Genetic Variants of Steroidogenesis and Gonadotropin Pathways and Polycystic Ovary Syndrome Susceptibility: A Systematic Review and Meta-analysis
10. Sivadas, A., Grover, S., Kaur, H., **Goyal, L. D., & Kaur, K.** (2024). A comparative study of mifepristone with dinoprostone for induction of labor in third trimester. *International Journal of Research in Medical Sciences*, 13(1), 180–187. <https://doi.org/10.18203/2320-6012.ijrms20244112>
11. **Goyal, Lajya & Lata Kirti.** (2025). Pollution and Gynaecological Diseases: Is there any relationship?.
12. **Goyal LD, Garg P,** Goyal S, Bansal S, Rana MK. Varied Clinical Presentations of Aggressive Angiomyxoma of the Vulva: A Rare Entity. *J Family Reprod Health.* 2024 Mar;18(1): 75-79. doi: 10.18502/jfrh.v18i1.15442. PMID: 38863840; PMCID: PMC11162884.
13. **Garg P.,** Garg, N., Peer, S., Chholak, D., & Kaur, M. (2024). Pseudomyxoma peritonei leading to "jelly belly" abdomen: a case report and review of the literature. *Journal of Medical Case Reports*, 18(1). <https://doi.org/10.1186/s13256-024-04612-1>
14. Deepika, Goyal, S., **Garg P.,** Kanwat, J., & Kaur, N. (2024). Vaginal leiomyoma in a perimenopausal woman: A rare case report and review of the literature. *Journal of Family Medicine and Primary Care*, 13(5), 2161-2163. https://doi.org/10.4103/jfmpc.jfmpc_1229_23
15. Aggarwal, R., **Garg P.,** Verma, M., Bindal, P., Aditi, A., Kaur, I., Rohilla, M., & Kakkar, R. (2024). Decadal trends in the exclusive breastfeeding practices among working Indian mothers: a multi-level analysis. *International Breastfeeding Journal*, 19(1). <https://doi.org/10.1186/s13006-024-00695-0>
16. Mangla, M., **Garg P.,** Yoga Purini, P., Paul, S., Kaur, H., Rathod, S. R., Kanikaram, P. K., Sree, S. K., Jarathi, A., Patnaik, N., & Vijayan, S. (2025). Vulvar and vaginal anatomical variations in Indian women -A cross-sectional study. *Journal of Cutaneous and Aesthetic Surgery*, 0, 1. https://doi.org/10.25259/jcas_41_24
17. **Garg P.,** Semwal, S., & Bansal, R. (2025). Unexpected placenta accreta spectrum in an unscarred uterus causing catastrophic post-partum hemorrhage: a case report and review of the literature. *BMC Pregnancy and Childbirth*, 25(1), 14. <https://doi.org/10.1186/s12884-025-07140-y>
18. **Garg P.,** Krishnamoorthy, Y., Halder, P., Rajaa, S., Verma, M., Kankaria, A., Goel, A., & Kakkar, R. (2025). Urban-rural disparities in cervical cancer screening among Indian women between 30-49 years: a geospatial and decomposition analysis using a nationally representative survey. *BMC Cancer*, 25(1), 67. <https://doi.org/10.1186/s12885-025-13446-z>

Individual faculty wise:

Dr Lajya Devi Goyal

1. Research papers - 12
2. i10 index- 25
3. H index- 18

Dr Balpreet Kaur

1. Research papers - 02
2. i10 index- 06
3. H index- 06

Dr Priyanka

1. Research papers - 06
2. i10 index- 14
3. H index- 13

VIII. Key Highlights and Departmental Activities:

- a) EAGLE workshop 2024 Organised by Department of Obstetrics & Gynaecology AIIMS Bathinda, Bathinda Obstetrics & Gynaecology Society and IAGE Punjab Chapter Bathinda Branch on 24 August 2024.
- b) Basic Laparoscopy and Hands on Training Program Organized by Department of Obstetrics & Gynaecology AIIMS Bathinda dated on 28/02/2025 to 01/03/2025.
- c) Multi-disciplinary Medical Camp for Veterans Veer Naris and Next of Kin of Battle Casualties Organised by Surgical Disciplines at Bathinda Military Station.
- d) Celebrating Breast feed week 1st August 2024 to 7th August 2024
- e) Vaccination Drive Against Cervical Cancer 25 May 2024
- f) State Level Workshop Organised on Tech Interventions for maternal mortality Reduction dated on. 30/08/2024
- g) State Level Workshop Organised on Reduction in post-partum Haemorrhage related maternal mortality with low- cost interventions dated on 03/12/2024
- h) State Level Workshop Organised on Tech Interventions for maternal mortality Reduction dated on 07/02/2025
 1. **Number of Workshop Organized: - 07**

IX. Thesis Supervised (MD/MS): Number: 09

X. Other Notable Achievements (in numbers): 01



District Level Workshop, Government Medical College, Amritsar



District Level Workshop, Government Medical College, Amritsar



District Level Workshop, Guru Gobind Singh Medical College and Hospital, Faridkot



Inaugural Ceremony ART Level 1 Lab.



District Level Workshop, Government Medical College, Patiala



Basic Laparoscopy And Hands On Training Program



Basic Laparoscopy And Hands On Training Program



Medical camp for veterans Organised by military people from AIIMS Bathinda



DEPARTMENT OF OPHTHALMOLOGY

Name of the Department	Ophthalmology
Head of the Department	Prof. Dr. Anuradha Raj, Professor & Head

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Prof. Dr. Anuradha Raj	Professor & HOD	15-11-2019
2.	Dr Sanjeev Kumar	Associate Professor	14-11-2019
3.	Dr Vandana	Assistant Professor	18-04-2022
4.	Dr Sabia Handa	Assistant Professor	16-11-2023

II. Brief Introduction of the department:

The Department of Ophthalmology is well-equipped with the diagnostic and therapeutic modalities for world-class patient care. We have started specialty clinics as Glaucoma, Cornea, Retina, Squint, Oculoplasty and Retinopathy of prematurity. The footfall of the patients in outpatient and Indoor patient departments has increased tremendously. The department is dedicated to provide the best ocular care to the patients visiting AIIMS. We started operation theatre in June 2022 and till date, we have operated 5151 cases till date. A variety of ocular surgeries elective and emergency including Phacoemulsification, Small Incision cataract surgery, Trabeculectomy, Lacrimal surgeries, Squint surgery, Oculoplasty surgeries, Orbital surgeries, Ocular surface reconstruction surgeries, traumatic ocular repairs, Retinal detachment surgeries and pars-plana vitrectomies etc are being performed. Department of Ophthalmology has received the registration of Eye Bank, Cornea Retrieval Centre and Corneal transplantation centre. First corneal transplant was done at AIIMS Bathinda on 29th Nov 2024. We are bound to provide the best care to patients under one roof.

III. Patient care Data:

Sl No	Category	Number
1.	Patients seen in OPD	44822
2.	Patients admitted in IPD	2239
3.	Teleconsultations	51
4.	Procedures performed	
	A. Major	1911
	B. Minor	868
5.	Any other special clinic/activity	
	a. Glaucoma & Cornea	4254
	b. Squint/ Oculoplasty	749
	c. ROP	168
	d. Retina	16

For Diagnostic departments:

1.	Laser procedures	1054
2.	Optical coherence tomography	4878
3.	Perimetry	2882
4.	Ultrasonography (B-SCAN)	882
5.	Fundus fluorescein angiography	1289
6.	Synoptophore	523
7.	Corneal topography	372
8.	Ultrasound Biomicroscopy	33
9.	Specular Microscope	22



IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Prof. Dr. Anuradha Raj	MSICS COMBINED WITH TRABECULECTOMY	6th Biennial World Conference of International manual small incision cataract surgery, Comprehensive cataract surgery 28-29 Sept 2024,	Aadesh Institute of Medical sciences and Research , Bathinda
National conferences				
1	Prof. Dr. Anuradha Raj	Congenital Glaucoma: Management Dilemma	CME, AIIMS, BATHINDA	18 th May 2024
2.	Prof. Dr. Anuradha Raj	Filtering blebs On Anterior Segment Optical Coherence Tomography: A success predictor	36 TH ANNUAL NZOS, Conference, Hyatt Regency, Chandigarh	13-15 Sept 2024
3.	Prof. Dr. Anuradha Raj	Disc Edema: An overview	Hotel Ashok, Chankyapuri. New Delhi	Winter DOS Conference 2024
4.	Prof. Dr. Anuradha Raj	EYE BANKING and Its Challenges	CME Organized on Eye Banking Updates at AIIMS, Bathinda	30th November 2024
5.	Prof. Dr. Anuradha Raj	BILATERAL DISC EDEMA: CASE SCENARIOS	Conference Punjab Ophthalmological society, HOTEL SEPAL, BATHINDA	13-15 Dec 2024
6.	Prof. Dr. Anuradha Raj	Morphological evaluation of Filtering blebs On Anterior Segment Optical Coherence Tomography	Conference Punjab Ophthalmological society, HOTEL SEPAL, BATHINDA	13-15 Dec 2024
7.	Prof. Dr. Anuradha Raj	NOVEL technology for teaching ophthalmology to postgraduate students	8TH NATIONAL ASSEMBLY FORUM OF OPHTHAL TEACHERS OF INDIA BY PGIMER CHD. HOTEL MOUNT VIEW, Chandigarh	11-12 TH JAN 2025
8.	Prof. Dr. Anuradha Raj	Role of lasers in glaucoma in	CME GLAUCOMA SIMPLIFIED PRESERVING SIGHT UNDER PRESSURE Organized by DMC in association with Ludiana LOS	16 March 2025
9	Dr Sanjeev Kumar	Enigmatic Vision Loss in Neuro-Tuberculosis in a Young Girl	Organised by: PGIMER, Chandigarh	TBCON 2025



		Details of the Event: Poster presentation at TBCON 2025		
10	Dr Vandana Sharma	1. Navigating the punctum 2. Navigating the punctum	36th NZOS conference annual POS conference on	September 2024 December 2024
11	Dr.Sabia Handa	Choosing the right Anti VEGF: Navigating the critical cross roads in retinal treatment	3 RD Retina fellow retreat (RFR) at the Advanced eye centre, PGIMER Chandigarh	18-20 th April 2025

Papers and Books/chapters published by the department:

Prof. Dr. Anuradha Raj

1. Research papers- 10
2. Book -1
3. i10 index*- 11
4. H index*-11
5. Citations - 444

Research Papers

Name of Faculty	Title of papers
Prof.Dr Anuradha Raj	1. Raj A, Sahu P, Sharma V. (2024) Ocular Trauma Induced Malignant Glaucoma: A Case Report EC Ophthalmology 15.3 01-05.
	Raj A, (2024) Papilloedema: Etiology and its Management. EC Ophthalmology 15.4 01-13.
	Raj A, Raj R. (2024) Intraoperative partial thickness compression suturing for descemet’s membrane detachment: A Novel technique. IP Int J Ocul Oncol Oculoplasty ;10(1): 30-35
	Sagar M, Raj A. (2024): “Unilateral Congenital Lamellar Cataract with Glucose-6-Phosphate Dehydrogenase Deficiency: A Case Report”. EC Ophthalmology 15.8 01-03
	Handa, S., Daziine, E. & Raj, A. (2024). Cavernous hemangioma of the optic disc. Eye https://doi.org/10.1038/s41433-024-03258-z
	Raj A, Gupta V, Krishnamoorthi S, Kaur H, Saini V. Effect of the staging of rhino-orbital-cerebral mucormycosis on its management and clinical outcome. Indian J Ophthalmol 2024;72: 1519-23
	Raj A, Kumari V (2024): “Angle-Closure Glaucoma: An Insight”. EC Ophthalmology 15.11 01-11
	Raj A, Kaur J (2024) “Non-Arteritic Anterior Ischemic Optic Neuropathy Preceding Anterior Thalamic-Geniculate Perforator Infarct Induced Stroke: A Case Report”. EC Ophthalmology 15.10 01-06.
	Raj A, Arya M. Kaur N. (2025) “Malignant Hypertensive Retinopathy: A Clinch to the Diagnosis of Occult Pregnancy: A Case Report”. EC Ophthalmology 16.1: 01-04.
	Raj, A., Singla, A. & Sidana, S. (2025). Preventive and therapeutic strategies via health care delivery system to minimize sight-threatening diabetic retinopathy: a narrative review. Curr Diab Rep 25, 36 https://doi.org/10.1007/s11892-025-01591-5
	Book written



	<p>Titled “Penetrating keratoplasty still Gold standard Indications, complications and management.</p>
<p>Dr Sanjeev Kumar</p>	<ol style="list-style-type: none"> 1. Dhoot SK, Lakhanpal V, Peer S, Prakash S. Clinical spectrum of ophthalmic manifestations in myelin oligodendrocyte glycoprotein-associated disease (MOGAD): A comprehensive case report. <i>Ocul Immunol Inflamm.</i> 2024 Nov;32(9): 2254–60. 2. Dhoot SK. Four-port bimanual phaco-chop fragmentation for dropped nucleus using standard phaco chopper and assistant handheld 23G endoilluminator. <i>Oman J Ophthalmol.</i> 2024 Oct;17(3): 413–5. 3. Singh R, Lakhanpal V, Dhoot SK, Peer S, Wander A. Pie in the sky appearance – Unraveling rheumatic heart disease in a pediatric stroke. <i>J Neurosci Rural Pract.</i> Epub 2024 Jun 21. 4. Dhoot SK. Unilateral chorioretinitis in early latent syphilis. <i>Oman J Ophthalmol.</i> 2025 Feb;18(1): 70–2. 5. Dhoot SK. Wilson disease presenting as osmotic demyelination syndrome. <i>Natl Med J India.</i> Accepted June 2024. (In press) 6. Branford JA, Bodaghi B, Ferreira LB, McCluskey PJ, Thorne JE, Matthews JM, Smith JR; International Study Group for Systemic Immunomodulatory Drug Treatment of Non-Infectious Uveitis (includes Sanjeev Kumar Dhoot). Use of immunomodulatory treatment for non-infectious uveitis: an International Ocular Inflammation Society report of real-world practice. <i>Br J Ophthalmol.</i> 2025 Mar 20;109(4): 482–9. <p>H index*- 1</p>
<p>Dr Vandana</p>	<ol style="list-style-type: none"> 1. Samagh N, Utkarsh, Sharma V, Grewal A. Anesthesia management of a patient with multiple facial hemangiomas: Sometimes less is more! <i>J Anaesthesiol Clin Pharmacol.</i> 2024 Oct-Dec;40(4): 711-712. doi: 10.4103/joacp.joacp_104_23. Epub 2024 Apr 11. PMID: 39759042; PMCID: PMC11694879. 2. Goel A, Kapatia G, Singh B, Sharma V. Commentary on "Fusion of old and new: Employing touch imprint slides for next-generation sequencing in solid tumors". <i>Diagn Cytopathol.</i> 2024 Sep;52(9): 538-539. doi: 10.1002/dc.25355. Epub 2024 May 13. PMID: 38738843. 3. Kurrey, Preetam Raj & Sharma, Vandana & Shukla, Vinamrata & Manhar, Dr. & Agrawal, Ratna. (2024). Comparative Study of Mini-MONOKA Stenting and 24 G Intravenous Cannula Stenting in Cases of Canalicul Laceration: A Retrospective Study. 10.69605/ijlbpr_13.6.2024.70. 4. Kaur R, Sehgal A, Gupta P, Budhiraja G, Sharma V, Aggarwal A. To determine the role of transcutaneous retrobulbar amphotericin B in COVID-19-related rhino-orbital-cerebral mucormycosis. <i>Oman J Ophthalmol.</i> 2024 Jun 27;17(2): 198-204. doi: 10.4103/ojo.ojo_19_23. PMID: 39132108; PMCID: PMC11309535. 5. Kaur R, Budhiraja G, Bhumbla U, Kaur M, Sharma V, Gupta P, Singla R, Goel A, Gupta E, Dahiya P. Estimation of the pattern of ocular manifestations, risk factors, and imaging of rhino-orbital-cerebral mucormycosis in COVID-19 patients. <i>J Family Med Prim Care.</i> 2025 Jan;14(1): 259-267. doi: 10.4103/jfmpc.jfmpc_1161_24. Epub 2025 Jan 13. PMID: 39989522; PMCID: PMC11844987. <p>H index* 1</p>
<p>Dr. Sabia Handa</p>	<ol style="list-style-type: none"> 1. Handa S, Daziine E, Raj A. Cavernous hemangioma of the optic disc. <i>Eye (Lond).</i> 2025 Feb;39(Suppl 1): 159-160. doi: 10.1038/s41433-024-03258-z.



	<p>2. Kumar Menia N, Handa S, Markan A, Thakur U, Agarwal A, Gupta V. Intermediate Uveitis with Cystoid Macular Edema as Presentation of Retained Caterpillar Hair in the Vitreous Cavity. Ocul Immunol Inflamm. 2025 Feb;33(2): 206-209. doi: 10.1080/09273948.2024.2345282</p> <p>Book Chapter</p> <p>1. Singh, Usha & Sharma, Madhulika & Singh, Ramandeep & Tadepalli, Sameeksha & Handa, Sabia. (2024). Applications of Molecular Biology and Biomedical Advances in Ocular Oncology. 10.1007/978-981-99-3746-2_12</p> <p>1. i10 index*- 8</p> <p>H index*- 9</p>
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Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Anuradha Raj	Comparative study of the Smart mesopic fundus camera with optical coherence tomography for the functional and structural changes in the glaucomatous disc. - A pilot study 1	Extramural Funding Agency MeitY-nasscom-CoE	Ongoing	500000
2	Dr Anuradha Raj	Rashtriya Netra Jyoti Abhiyan	Extramural (Funding Agency NPCB-VI)	Ongoing	100000
3	Dr Anuradha Raj	INTER-AIIMS collaboration for assistive health technology by - ICMR	Extramural	Ongoing	3000000
4	Dr Anuradha Raj	A Prospective multicentric double blind active controlled, parallel-group Phase III study to compare the efficacy, safety and immunogenicity of Afibercept with reference Biologic in patients with Neovascular Age-related Macular degeneration (WET AMD)	Intramural	Ongoing	Nil
5	Dr Anuradha Raj	Development and implementation of Management and Evaluation Software for Research initiatives and trials (MERITS): A Participatory Co Design Approach.	Intramural	Ongoing	Nil
6	Dr Anuradha Raj	Effect of topical Rho-Kinase inhibitors ripasudil for the treatment of diabetic macular edema	Intramural	Ongoing	Nil
7	Dr Anuradha Raj	Comparative morphometric evaluation of anterior chamber angle by anterior segment optical coherence tomography in primary	Intramural	Ongoing	Nil



		angle closure glaucoma suspects after dark room prone and mydriatic provocative tests.			
8	Dr Anuradha Raj	Artificial intelligence-based automated diagnosis of diabetic retinopathy with real-time mesopic fundus camera – A comparative study	Intramural	Ongoing	Nil
9	Dr Anuradha Raj	Correlation of severity of diabetes retinopathy and peripheral Diabetic neuropathies with the findings of nail fold capillaries in type ii Diabetic population at a tertiary care centre: A cross-sectional observational study	Intramural	Ongoing	Nil
10	Dr Sanjeev Kumar	Comparison of Effect of Homatropine, Head Elevation and Observation in Fresh Vitreous Haemorrhage using Quantitative Ophthalmic Ultrasonography”-	Intramural	ongoing	Nil
11	Dr Vandana Sharma	Efficacy and safety of probing with mitomycin C in adults with primary acquired nasolacrimal duct obstruction	Intramural	ongoing	Nil
Projects submitted					
1	Dr Vandana Sharma	Identification of tear based long noncoding RNAs and inflammatory biomarkers associated with altered corneal sensations and severity of diabetic retinopathy in type 2 diabetic patients: an observational study	Intramural	Submitted to ethics committee	
2	Dr Vandana Sharma	Assessing knowledge attitude and practice regarding eye donation among health care professional working in a tertiary care centre: identification of gaps and strategies for improvement	STS project/ICMR	Submitted to STS project/ICMR	
	Dr Vandana Sharma	Discovery of proteomic based diagnostic biomarkers in tear fluid in type 2 diabetic retinopathy using Schirmer strips: a multicentric investigation	extramural project	Submitted to ICMR for pending approval	
3	Dr Sabia Handa	Pattern of diabetic retinopathy in young onset type-2 diabetes Mellitus: A cross-sectional study	STS project/ICMR	Submitted to ICMR	
4	Dr Sabia Handa	A Prospective, Multicenter, Double-Blind, Active-Controlled, Parallel-Group, Phase III Study to Compare the Efficacy, Safety and Immunogenicity of Sun’s Aflibercept with Reference Biologic in Patients with	Multicentric extramural project	Submitted to ethics committee	



		Neovascular Age-Related Macular degeneration (wet AMD)			
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VIII. Key Highlights and Departmental Activities:

First transplant and first corneal transplant done at AIIMS Bathinda on 29th Nov. 2024



A full-day CME titled "Glaucoma: Diagnosis and Beyond" was organized on 18th May 2024 by the Department of Ophthalmology at AIIMS, Bathinda



Under the guidance of esteemed Director, Prof. Dr. Dinesh Kumar Singh, and Medical Superintendent, Prof. Dr. Rajiv Kumar, Department of Ophthalmology, AIIMS Bathinda successfully conducted an eye camp in collaboration with Navreet Foundation to provide eye services of the community at Malke on April 07, 2024.



The department of Ophthalmology celebrated the Eye Donation week from 25th August to 8th Sept. 2024 and conducted Quiz competition among post graduate students of different Institutes on Eye Donation awareness



With the kind permission and guidance of our honorable director, Prof. Dr. Meenu Singh, our Department of General Surgery has been directed to form a multidisciplinary team of specialist doctors (General Surgery, General Medicine, ENT, Eye, Obts & Gyne, Dermatology) to support the medical camp planned at Talwandi Sabo on 17th November 2024, Sunday (09: 00 AM - 05: 00 PM) for Veterans & Veer Naris as requested by the Field Hospital, Army Cantt. Bathinda



Medical camp for Ex-servicemen as organised by the department



CME on the Eye Bank at AIIMS Bathinda on 30th Nov. 2024 (Saturday) in the main Auditorium, AIIMS Bathinda.

OFFICE OF THE DIRECTORATE OF MEDICAL EDUCATION AND RESEARCH-CUM-CHAIRMAN PUNJAB STATE LEVEL AUTHORIZATION COMMITTEE UNDER TRANSPLANTATION OF HUMAN ORGANS ACT-1994, Rules-1995, Amended ACT-2011 & Rules-2014 (Medical Education Bhawan, Sector-69, SAS Nagar, Mohali-160069) (E-Mail dir_mer@punjab.gov.in)

OFFICE OF THE DIRECTORATE OF MEDICAL EDUCATION AN RESEARCH-CUM-CHAIRMAN PUNJAB STATE LEVEL AUTHORIZATION COMMITTEE UNDER TRANSPLANTATION OF HUMAN ORGANS ACT-1994, Rules-1995, Amended ACT-2011 & Rules-2014 (Medical Education Bhawan, Sector-69, SAS Nagar, Mohali-160069) (E-Mail dir_mer@punjab.gov.in)

No. AIIMS(B)/EB-ERC-CTC(N)/2023-PB-5ME3/

Dated SAS Nagar/

No. AIIMS(B)/EB-ERC-CTC(N)/2023-PB-5ME3/

Dated SAS Nagar/

FORM-16

CERTIFICATE OF REGISTRATION FOR PERFORMING ORGAN / TISSUE TRANSPLANTATION / RETRIEVAL AND / OR TISSUE BANKING (See Rule 24(2))

This is to certify that All India Institution of Medical Sciences (AIIMS) Bathinda has been inspected and certificate of registration is granted for performing the Organ / Transplantation of the following Organ under the Transplantation of Human Organs Act, 1994 (42 of 1994) & Rules-1995, Amended Act-2011 & Rules-2014 :-

Eye Bank

This Certificate of Registration is valid for a period of One year from the date of issue. As per Human Organ Transplantation Act-1994 and the name of Qualified Transplant Surgeon and Coordinator are recommended given below :-

Sr. No.	Name	Qualified Transplant
1.	Dr. Anuradha Raj and Dr. Vandana Sharma	Surgeon
2.	Ms. Sapna Rawat	Coordinator

This permission is being given with the current facilities and staff shown in the present application form. Any reduction in the staff and / or facility must be brought to the notice of the undersigned. If you want to change the above mentioned team, you have to take the permission for the same from this office. Otherwise if the above mentioned names leave your institution the registration of your Institution will stand cancelled automatically. It must be ensured to send monthly report of cases being operated by the Hospital.

Place: SAS Nagar
Dated:

Appropriate Authority-cum-Director,
Medical Education & Research, Punjab

No. AIIMS(B)/EB-ERC-CTC(N)/2023-PB-5ME3/

Dated: SAS Nagar/

A copy is forwarded to the following for information and necessary action :-

- Secretary to Govt. of Punjab, Department of Medical Education & Research, Punjab, Chandigarh.
- Deputy Commissioner, Bathinda.
- Senior Superintendent of Police, Bathinda.
- Director, Health and Family Welfare, Punjab, Chandigarh

FORM-16

CERTIFICATE OF REGISTRATION FOR PERFORMING ORGAN / TISSUE TRANSPLANTATION / RETRIEVAL AND / OR TISSUE BANKING (See Rule 24(2))

This is to certify that All India Institution of Medical Sciences (AIIMS) Bathinda has been inspected and certificate of registration is granted for performing the Organ / Transplantation of the following Organ under the Transplantation of Human Organs Act (42 of 1994) & Rules-1995, Amended Act-2011 & Rules-2014 :-

- Corneal Transplantation Centre
- Eye Retrieval Centre

This Certificate of Registration is valid for a period of One year from the date of issue. As per Human Organ Transplantation Act-1994 and the name of Qualified Transplant Surgeon and Coordinator are recommended given below :-

Sr. No.	Name	Qualified Transplant
3.	Dr. Anuradha Raj and Dr. Vandana Sharma	Surgeon
4.	Ms. Sapna Rawat	Coordinator

This permission is being given with the current facilities and staff shown in the present application form. Any reduction in the staff and / or facility must be brought to the notice of the undersigned. If you want to change the above mentioned team, you have to take the permission for the same from this office. Otherwise if the above mentioned names leave your institution the registration of your Institution will stand cancelled automatically. It must be ensured to send monthly report of cases being operated by the Hospital.

Place: SAS Nagar
Dated:

Appropriate Authority-cum-Director,
Medical Education & Research, Punjab

No. AIIMS(B)/EB-ERC-CTC(N)/2023-PB-5ME3/

Dated: SAS Nagar/

A copy is forwarded to the following for information and necessary action :-

- Secretary to Govt. of Punjab, Department of Medical Education & Research, Punjab, Chandigarh.
- Deputy Commissioner, Bathinda.
- Senior Superintendent of Police, Bathinda.
- Director, Health and Family Welfare, Punjab, Chandigarh.
- Director Principal, Govt. Medical College, Patiala.
- Civil Surgeon, Bathinda.

Appropriate Authority-cum-Director

Eye Bank Cornea Retrieval centre & Corneal transplantation centre

IX. Thesis Supervised (MD/MS): *

Number: 6

Other Notable Achievements (in numbers):

Department of Ophthalmology has received the registration of Eye Bank, Cornea Retrieval Centre and Corneal transplantation centre vide letter no AIIMS(B)/EB-ERC-CTC(N)/2023-PB-5ME3/11925 dated 11/9/2024 by DRME Punjab.



DEPARTMENT OF ORTHOPAEDICS

Name of the Department	Orthopaedics
Head of the Department	Prof Traun Goyal

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Tarun Goyal	Professor	6/12/2019
2	Dr Nilesh Barwar	Associate Professor	9/5/2022
3	Dr Pankaj Kumar Sharma	Associate Professor	26/11/2019
4	Dr Ankit Rai	Assistant Professor	30/11/2023
5	Dr Lakshman S Das	Assistant Professor	29/12/23
6	Dr Santosh Behera	Assistant Professor	5/2/2024
7	Dr Lokendra Singh	Assistant Professor	21/2/2024

II. Brief Introduction of the department:

Vision: Centre par excellence, in teaching, research, and patient care delivery.

Mission: provide the highest quality patient care to all people through innovation, latest research, and competency-based training of the next generation of surgical health care professionals and scientists leadership role in orthopaedic teaching and research at both regional and national levels:

Services Available in the department:

The department of orthopaedics treats all musculoskeletal conditions, including osteoarthritis, low backache, neck pain, congenital disorders, and fractures.

We are currently offering telemedicine consultation services on a daily basis. The department of orthopedics offers diagnostic and therapeutic intra/extra articular injections to treat various musculoskeletal disorders, such as Tennis elbow and plantar fasciitis. Plaster application services are being given for treating fractures and soft tissue injuries.

In addition to general Orthopaedics, the department is providing its services in the field of joint replacement, sports medicine, hand surgery, musculoskeletal oncology, pediatric orthopaedics, spine surgery, and treatment of complex trauma. The department plans to introduce recent innovations in orthopaedic surgery, such as robotic and navigation surgery, in the near future. The bone bank facility is not available in this region, and the department has started the bone bank facilities where both live donor bone and cadaveric bone can be preserved and used as and when required.

The department aims to achieve excellence in patient care, research, and education. Presently, all faculty members give regular academic presentations. The department plans to introduce new methodologies in undergraduate teaching. There are various academic activities like journal clubs, case presentations, and interdepartmental meets.

Research improves healthcare services. The department is conducting various research projects through intramural and extramural funding with the help of agencies like the Indian Council for Medical Research. There are also various research projects going on in collaboration with other medical research institutes across the country. With our future and ongoing research projects, we aim to achieve good outcomes in patient care.

IX. Patient care Data:

SI No	Category	Number
1.	Patients seen in OPD	72387
2.	Patients admitted in IPD	2752
3.	Teleconsultations	20
4.	Procedures performed	
	A. Major	2741
	B. Minor	10562
5.	Any other special clinic/activity	3304



IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Tarun Goyal	1)Outcomes Of Anterior Cruciate Reconstruction with Full-Thickness Peroneus Longus Tendon Autograft 2) Radiological Healing Of The Rotator Cuff On MRI Does Not Correlate With Functional Outcomes After Arthroscopic Rotator Cuff Repair 3) Peroneus longus tendon graft for ACL reconstruction. 4)Kobe University Japan. Radiological healing of Rotator cuff after repair.	ESSKA 2024 Italy. ESSKA 2024 Italy. Kobe University Japan.	ESSKA International ESSKA International Kobe University Japan.
2	Dr Nilesh Barwar	1)Management of SSI after open posterior spine surgery using negative pressure wound therapy –	Global Spine Congress, Bangkok, May 2024	AO Spine, Geneva
3	Dr Pankaj Kumar Sharma	1)“Instrumentation in Pott's Spine - Worth it 'OR' Not?”	7 th Annual APOA-YSF International Meet	Ganga Hospital, Coimbatore
National conferences				
1	Dr Tarun Goyal	Direct anterior approach to Hip Arthroplasty Periprosthetic fractures. Revision TKR. Indian Arthroplasty Association webinar April 2024. Hip arthroscopy. Direct anterior approach to Hip Arthroplasty. Rotator cuff Repair Direct anterior approach on normal OT table	Current concept in arthroplasty. AIIMS Delhi. Indian Arthroplasty Association Webinar Indian Arthroplasty Association Webinar IASCON, Bangalore 2024 Hip360, Chandigarh 2024 Arthroscopy conference	AIIMS Delhi. Indian Arthroplasty Association Indian Arthroplasty Association IAS India IAA India PGI Chandigarh



		<p>Basic techniques in fracture fixation and management, Organising Chairperson</p> <p>Organising Chairperson</p> <p>Intraoperative assessment of Hip stability</p> <p>Proximal tibial fractures</p> <p>Surgical Approaches to Total Knee Arthroplasty</p> <p>Failed Bankart repair</p>	<p>IAACON Bhubaneswar AO Pre basic Trauma</p> <p>Bathinda knee course 2024</p> <p>Spine Symposium, Cadaveric course in Hip arthroplasty.</p> <p>Trauma Course Amritsar 2024</p> <p>NZOacon, Patiala 2024</p> <p>POAcon, Mohali. 2024</p>	<p>IOA</p> <p>AIIMS Bathinda</p> <p>BOA, Bathinda</p> <p>AIIMS Bathinda.</p> <p>AIIMS Bathinda</p> <p>GMC, Amritsar</p> <p>NZOA India</p> <p>POA India</p>
2	Dr Nilesh Barwar	<p>Reconstruction in tuberculosis of the spine thoracic and lumbar spine.</p> <p>Pedicle Screw Fixation in cervical spine: our experience of 40 pedicle screws</p> <p>Stabilization of sub axial cervical trauma</p> <p>Demonstration of spine fixation techniques in a cadaveric workshop.</p> <p>Comparative analysis of functional and radiological outcomes in single-level open TLIF treated by contoured and straight Rod: A Randomized Controlled Study.</p> <p>Pott's spine in the cervicothoracic spine with advanced neurological deficit: surgical intervention by different approaches"</p>	<p>NZOacon, Ludhiana, India,</p> <p>POAcon, Mohali, India</p> <p>Spine symposium</p> <p>OAcon 2025, Mohali, India</p> <p>ASSICON 2025</p> <p>DOAcon 2024 New Delhi</p>	<p>North Zone Orthopedics Association</p> <p>Punjab Orthopedic Association</p> <p>AIIMS Bathinda</p> <p>Punjab Orthopedic Association</p> <p>Association of spine Surgeon of India, Bengaluru</p> <p>Delhi Orthopedic Association</p>



<p>3</p>	<p>Dr Pankaj Kumar Sharma</p>	<p>1)Spinal infection assessment; Tubercular or Pyogenic</p> <p>2)Osteoporotic Vertebral Fractures: How to approach.</p> <p>3)Faculty and Chairperson/Judge Podium Presentation,</p> <p>4)Faculty Lecture, "Management of leg pain in sports persons",</p> <p>5)Faculty/Chairperson Free Paper Session.</p> <p>6)Faculty Development Program Presentation</p> <p>7)Faculty Workshop "Cadaveric Basic and Advanced Spine"</p>	<p>Annual Conference of APOA-YSF India</p> <p>NZOACON 2024", New Delhi</p> <p>Sports Med Con 2024</p> <p>ASSICON 2025 Bengaluru</p> <p>ASAMICON 2025</p> <p>POACON 2025, Mohali.</p>	<p>APOA-YSF India</p> <p>NZOA</p> <p>PGIMS, Rohtak</p> <p>ASSI India</p> <p>ASAMI India</p> <p>POA</p>
<p>4</p>	<p>Dr Ankit Rai</p>	<p>Neglected cervical facet dislocation, a simple solution to a complex problem: a case series</p>	<p>POACON 2025, Mohali.</p>	<p>POA</p>
<p>5</p>	<p>Dr Lakshman S Das</p>	<p>1)Outcomes of Ilizarov ring fixator vs Monolateral rail fixator in patients with chronic periprosthetic joint infection of knee undergoing knee arthrodesis- A comparative study</p> <p>2)Reconstruction of the Anterior abdominal wall with pedicled fascia lata flap after type III internal hemipelvectomy: A new technique.</p> <p>3)A rare case of Aneurysmal bone cyst of the supraacetabular region and its management.</p>	<p>ASAMICON 2025</p> <p>The 11th Annual Conference of IMSOS 2025, Goa, India.</p> <p>The 11th Annual Conference of IMSOS 2025, Goa, India.</p>	<p>ASAMI India</p> <p>Indian Musculoskeletal Society (IMSOS)</p> <p>Indian Musculoskeletal Society (IMSOS)</p>



X. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1	Dr Tarun Goyal	ISAKOS Young Investigator's Mentorship Program,	ISAKOS, Kobe, Japan	ISAKOS
		Ronald Burkle Fellowship Anterior Hip Foundation.	Anterior Hip Foundation, USA	Anterior Hip Foundation.
2	Dr Nilesh Barwar	Endoscopy Observership award program	ASSICON 2024	ASSI India
3	Dr Pankaj Kumar Sharma	1)Best Paper 2) Travelling Award Spine Fellowship	ASAMICON 2024, Chandigarh SICOT Fellowship	ASAMI India SICOT, International
4	Dr Lakshman S Das	Diploma SICOT	SICOT 2024	SICOT International

XI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Tarun Goyal	Outcomes of bone marrow?derived culture?expanded mesenchymal stem cells for cartilage defects of knee	Extramural, SERB	ongoing	38 lac
2	Dr Tarun Goyal	Systematic Review for Evidence based Guidelines on the Use of Stem Cell Therapy	Extramural, ICMR	Completed	5 Lacs

XII. Papers and Books/chapters published by the department:

- Sethy SS, Deep G, Sudhakar PV, **Goyal T**, Kandwal P, Arora S. Tissue-Specific Immunity in Osteoarticular Tuberculosis. Indian J Orthop. 2025; 10;59(6): 768-773. doi: 10.1007/s43465-025-01371-z. PMID: 40511352; PMCID: PMC12151937.
- Schuh A, Rueth MJ, **Goyal T**, Koehl P. Proximal femoral fracture. MMW Fortschr Med. 2025;167(1): 9. German. doi: 10.1007/s15006-024-4454-6. PMID: 39821973.
- Schuh A, **Goyal T**, Rueth MJ, Koehl P. Verhärtung an der linken Fußsohle. MMW Fortschr Med. 2024;166(8): 9. German. doi: 10.1007/s15006-024-3812-8. PMID: 38693356.
- Barwar N**, Singh PJ, **Goyal T**, **Sharma PK**, Jain S, **Das L**. Thoracolumbar fracture-dislocation in a two-year-old female child following child abuse: A case report and literature review. Trauma Case Rep. 2024; 3;51: 101014. doi: 10.1016/j.tcr.2024.101014. PMID: 38623090; PMCID: PMC11017037.
- Das L**, **Sharma PK**, **Singh G**, **Goyal T**. Telerehabilitation is as effective as outpatient visits in the management of early osteoarthritis knee and mechanical low backache. Eur J Orthop Surg Traumatol. 2024 Jan;34(1): 405-413. doi: 10.1007/s00590-023-03673-0. Epub 2023 Aug 11. PMID: 37566137.

6. **Nilesh Barwar**, Gypsy Gargi, **Ankit Rai**, Abhay Elhence, Sumit Banerjee, Nitesh Gahlot. Dual Plating in the Management of Non-Union Complex Distal Femur Fractures Following Lateral Locked Plate Fixation: Radiological and Functional Outcomes. Accepted by Journal of Trauma and Injury and is in press. (<https://submit.jtraumainj.org/regist/rindex.php?mode=11>)
7. Singh, Param Jit; Jain, Sanjay1; **Barwar, Nilesh1; Das, Lakshman1;** Bhat, Burhan; **Kumar, Pankaj Sharma**. Distal Radioulnar Joint Instability in Distal Radius Fractures Managed with Volar Locking Plates. International Journal of Orthopaedic Surgery 32(1): p 54-58, January-June 2024. | DOI: 10.4103/ijors.ijors_8_24.
8. Singh R, **Sharma PK**, Verma V, Kamboj V, Shoeran A, Sharma J. Functional and Radiological Outcomes of Miniature Plate Osteosynthesis in Metacarpal and Phalangeal Fractures of Hand: A Prospective Study. Cureus. 2024 Apr;16(4).
9. Kundu, Z. **S., Sharma, P., Das, L.,** Verma, V., & Sharma, J. (2025). Wrist fusion with ulnar translocation for aggressive giant cell tumour of distal end radius: Short-term functional and clinico-radiological outcomes. Journal of Orthopaedics, 61, 85-91.
10. **Barwar N, Sharma P.** Pott's spine in the cervicothoracic spine with advanced neurological deficit: surgical intervention by different approaches. Journal of Clinical Orthopaedics & Trauma. 2024 Oct 1;57.
11. Jain M, **Sharma PK**, Kamboj K, Shyam A. The Impact of social media on Medical Education and Health-care Communication. Journal of Orthopaedic Case Reports. 2024 Sep;14(9): 1.
12. Kundu ZS, Kundu K, Rana P, **Sharma PK, Das L,** Sharma J. Tuberculous osteomyelitis masquerading as tumors and tumor-like lesions: A clinico-radiological study of 20 patients. Journal of Clinical Orthopaedics and Trauma. 2025 May 1;64: 102973
13. Rohilla, R., Das, J., **Sharma, P.K.** et al. Outcomes of Post-traumatic Infected Non-union of the Humerus Managed by Hybrid Ring Fixators. JOIO (2025).
14. **Sharma, P. K.,** & Lalchandani, T. (2024). Outcome of Bone Transport Using Ilizarov External Fixator in Infected Non-Union of Tibia with Large Bone Defects: Comparison of Those with 5-10 cm Bone Defect with Those Having ≥ 11 cm Bone Defect. Indian journal of orthopaedics, 58(12), 1888-1889.
15. Kumar, V., Barik, S., Prajapati, S., Das, L. S., & Raj, V. (2024). Single stage total hip replacement in active tuberculosis of hip: A systematic review and meta-analysis. Indian Journal of Tuberculosis. <https://doi.org/10.1016/J.IJT.2024.10.004>.

XIII. Key Highlights and Departmental Activities:

Number of Conference Organized: -Two

Number of Workshop Organized: -Three

XIV. Thesis Supervised (MD/MS): Number: 6 (SIX)

1) Bone and Joint Day 04 August 2024





2) World Arthritis Day 12th Oct 2024



3) Spine Symposium December 2024



4) Cadaveric course in Hip arthroplasty March 2025



5) Basic Trauma Workshop 2025





DEPARTMENT OF PATHOLOGY

Name of the Department	Pathology
Head of the Department	Dr Manjit Kaur Rana

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Manjit Kaur Rana	Additional Professor and Head of department	13/11/2019
2	Dr Ankita Soni	Associate Professor	08/02/2023
3	Dr Gargi Kapatia	Assistant Professor	13/9/2021
4	Dr Pallavi Saraf	Assistant Professor	11/11/2023

II. Brief Introduction of the department:

Vision: Department of Pathology helps the medical field by educating the medical students to understand the etiopathogenesis of the disease. As pathology links basic sciences with clinical manifestations and plays an important role in the diagnosis, management and prognosis. Therefore, all the up dated laboratory medicine facilities will be provided with special attention to excel in development of all the sub specialties like Histopathology, Cytopathology, Hematopathology, Immunopathology, oncopathology, and autopsy pathology.

Acedemics: The objectives of our department are to provide quality medical education and to refine undergraduate/postgraduate medical students to meet the country's need for highly qualified doctors and medical teachers. Our mission is to establish a center of excellence in faculty and technician training, diagnosis and research.

Patient related services: The Department of Pathology is equipped with facility automated haematology analyser for CBC, coagulation and HPLC. The department is providing synoptic histopathology reports with the use of automated processor. The department is providing cytopathology reports with reporting of Liquid based cytology cases. The department is well equipped with automated immunohistochemistry analyser with the capacity of molecular testing of carcinoma breast and carcinoma lung. We aim to serve patient needs by setting diagnostic facilities with the advanced technologies to improve the area of laboratory medicine.

The department of pathology also started Extended immunopathology investigations including T-cell subset, HLA-B27, leukaemia/lymphoma panel by flow cytometry, Dual-in-situ hybridization for Her2/neuroblastoma mutation, HPV-DNA testing by RT-PCR, and Indirect immunofluorescence for autoimmune workup (ANCA, ASMA, AMA, LKM, GPA)

III. Patient care Data:

Patient care in special clinics: Integrated Centre for Hemophilia and hemoglobinopathy (Anti Hemophilic Factor: VIII, IX, VII, VIIIWV and drugs for thalassemia)

Sl No	Category	Number
1	500 IU Factor VIII	270
2	250 IU Factor VIII	12
3	VWF Factor VIII	10
4	Factor IX	30
5	HPLC	3 Kit
6	Factor VII	15



For diagnostic departments:

Sl No	Type of test (Diagnosis)	Number
Histopathology Lab		
1.	Histopathology	7286
2.	Immunohistochemistry	517
3.	Special Stains: AFB	329
4.	Special Stains: Congo red	58
5.	Special Stains: PAS	325
6.	Special Stains: Alcian Blue	19
7.	Special stain: Masson's Trichrome	15
8.	Giemsa stain	13
Haematology Lab		
1.	CBC	2,07,095
2.	BT	803
3.	CT	785
4.	ESR	24011
5.	Correction studies in coagulation	3
6.	HPLC	27
7.	Bone marrow examination	416
8.	Cytochemistry (Perls)	416
9.	PBF	11413
10.	PT-INR	47742
11.	APTT	10757
12.	Reticulocyte count	1332
13.	D-Dimer test	2283
14.	Fibrinogen assay by clotting method	70
Immunopathology Lab		
1.	ANA by IIF, ANCA, KSL	354
Cytology Lab		
1.	PAP conventional	1299
2.	Liquid based cytology (LBC)	45
3.	Malignant cytology	1312
4.	FNAC	1196
Clinical Pathology Lab		
1.	Semen Analysis	174
2.	CSF cell count and microscopy	1252
3.	CSF Count and microscopic examination	401
4.	Stool for occult blood	17
5.	Fluid- TLC, DLC	909
6.	Mantoux	320
7.	Urine routine examination	38452
Special Hematology Lab		
1.	Stem cell/ CD34 (started on 6 Dec 2024)	42
2.	HLA B-27 (started in Jan 2025)	06
3.	Autopsy	
4.	Autopsy Pathology	23
5.	Medicolegal autopsy cases	28
	Grand total	2,88,428



IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	NA	NA	NA	NA
National conferences				
1.	Dr. Manjit Kaur Rana	BREAST CANCER HETEROGENIETY AND DIAGNOSIS: PRESENT AND FUTURE	Emerging Trends in Cancer Prevention and Therapeutic Interventions	Central University of Punjab, Bathinda
2.	Dr. Manjit Kaur Rana	Extra nodal Lymphomas: Trends and Presentation	11 th Annual Conference of Association of Physicians of India (Malwa Branch) "MAPICON Bathinda 2024"	AIIMS Bathinda
3.	Dr. Manjit Kaur Rana	To evaluate cytomorphological details of Atypical Glandular Cells on Cervical Pap Smears as per Bethesda system 2014 in different age groups: A two-year prospective study	"CYTOCON 2024", "54 th ANNUAL CONFERENCE of the Indian Academy of Cytologists"	AIIMS – Jodhpur
4.	Dr. Manjit Kaur Rana	Diagnosis of Breast Carcinoma	"Cancer Awareness, Prevention, Diagnosis, and Management" "Breast Cancer Awareness"	AIIMS Ambuja
5.	Dr. Manjit Kaur Rana	Approach to CUP	ONTOP 2025	Homi Bhabha Cancer centre, New Chandigarh
6.	Dr. Ankita Soni	Primary Thyroid Lymphoma: A Report of 4 Cases with Cyto-histopathological Correlation.	The 65th annual conference of the Indian Society of Haematology and Blood Transfusion (ISHBT) "Haematocon 2024"	Nagpur
7.	Dr. Gargi Kapatia	Bone Marrow Metastasis as Presenting Feature of Follicular Thyroid Carcinoma (Poster Presentation)	HEMATOCON 2024	Nagpur
8.	Dr. Gargi Kapatia	Xanthomatous Meningioma- An uncommon	NPSICON 2025	AIIMS New Delhi



		histopathological variant (Poster Presentation)		
9.	Dr. Pallavi Saraf	Cytomorphological features of scalp cylindroma on fine needle aspiration cytology (Poster Presentation)	CYTOCON 2024	AIIMS – Jodhpur
10.	Dr. Akula Madhuri Priyanka (Junior Resident)	IHC expression of FOX- A1 and its corelation with traditional markers of carcinoma breast (Supervisor: Dr. Manjit Kaur)	5 th Science Conclave- CUM-Nbrcom, 2024	AIIMS Delhi
11.	Dr. Dhawani Jain (Junior Resident)	SOX-9 IHC expression and its corelation with prognostic factors of carcinoma breast (Supervisor: Dr. Manjit Kaur)	5 th Science Conclave- CUM-Nbrcom, 2024	AIIMS Delhi
12.	Dr. Garima (Phd)	Artificial Intelligence/ Machine Learning in Assessment of collagen morphology in pancreatic tumor using computational translation of Histological Images (Supervisor: Dr. Manjit Kaur)	AICTA 2024	NIT Raipur
13.	Dr. Sukhchain Kaur (PhD)	An Observational Study to Find the Association between Biological parameters of Breast Cancer and various age patterns in Female Breast Cancer Patients (Supervisor: Dr. Manjit Kaur)	Emerging Trends in Cancer Prevention and Therapeutic Interventions	Central University of Punjab, Bathinda
14.	Dr. Jasdeep kaur Virk, Dr. Subha Sheryl (Junior Resident)	Depth of invasion: where every millimetre counts (Supervisor: Dr. Manjit Kaur)	ICMI 2025	IIT Jodhpur and AIIMS Jodhpur
15.	Dr. Vidushi Joshi (Junior Resident)	Extragenadal Germ Cell Tumor Diagnosed on fine Needle Aspiration Cytology and Immunohistochemistry on Cell Block (Poster Presentation) (Supervisor: Dr. Manjit Kaur)	CYTOCON 2024	AIIMS – Jodhpur
16.	Dr. Akriti Jindal (Senior Resident)	Pleural Metastasis in a known case of Testicular Lymphoma: As Rare as a Penguin in the Desert (Poster Presentation) (Supervisor: Dr. Manjit Kaur)	CYTOCON 2024	AIIMS – Jodhpur
17.	Dr. Subha Sheryl (Junior Resident)	Echinococcus Granulosus Simulating as Benign Cystic Lesion of Liver- Forget me not in the differentials (Poster Presentation) (Supervisor: Dr. Manjit Kaur)	CYTOCON 2024	AIIMS – Jodhpur



18.	Saransh Gupta (MBBS Student)	Eosinophilic Enteritis masquerading as Intussusception in an adult (Supervisor: Dr. Manjit Kaur)		JIPMER, Puducherry
19.	Saransh Gupta (MBBS Student)	Sebaceous Carcinoma of Breast: a rare entity (Supervisor: Dr. Manjit Kaur)		AIIMS New Delhi
20.	(MBBS Student)	Giant colonic lipoma leading to colo-colonic intussusception- A rare case (Supervisor: Dr. Gargi Kapatia)	ARCUS 2024	AIIMS Rishikesh
21.	Dr Surya Shanbhog (STS Student)	Evaluating platelet inflammatory markers as diagnostic tools for differentiating proteinuric and non-proteinuric variations of diabetic nephropathies (Supervisor: Dr. Gargi Kapatia)	WCN 2025	AIIMS Delhi

IV. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/completed)	Budget
Projects sanctioned					
1	Dr. Manjit Kaur Rana, Additional Professor	National Health Research Priority on Breast Cancer Survival Studies	Extramural	Ongoing	1.2 cr
2	Dr. Manjit Kaur Rana, Additional Professor	Artificial Intelligence-based tool for detection of breast and oral cancer” Phase II	Extramural	Ongoing	4 Lakhs
3	Dr. Manjit Kaur Rana, Additional Professor	To estimate the prevalence of hemoglobinopathies in the Region.	Extramural	Ongoing	Consumable Based
4	Dr. Manjit Kaur Rana, Additional Professor	To evaluate association of Human papilloma virus infection in Breast Cancer in Malwa Region of Punjab	Intramural	Completed	Non-funded
6	Dr. Gargi Kapatia, Assistant Professor	To evaluate and correlate the clinical, histopathological and dermoscopic pattern of cutaneous tumors in a tertiary	Intramural	Ongoing	Non-funded



		care center of North India.			
7	Dr. Gargi Kapatia, Assistant Professor	To evaluate cyto-histopathological correlation of thyroid lesions- A two-year prospective study	Intramural	Ongoing	Non-funded
8	Dr. Ankita Soni, Associate Professor	Array of Orbital-Ocular Lesions in a Tertiary Care Center of Malwa region of Punjab: A Clinicopathological study	Intramural	Ongoing	Non-funded
Projects submitted					
1	Dr. Manjit Kaur Rana, Additional Professor	Evaluation of SOX 9 gene expression as predictive and prognostic Biomarker in carcinoma breast.	Extramural	Submitted	
2	Dr. Manjit Kaur Rana, Additional Professor	Data driven deafferentation of Pancreatic Tumor from Chronic Pancreatitis use in innovative cross motility image translation approach with neural networks	Extramural	Submitted	
3	Dr. Manjit Kaur Rana, Additional Professor	AI-Enabled screening of carcinoma cervix and fetal abnormalities and Point-of-Care Platforms for vaginal health, NCDs, and intoxication in National Health Programs	Extramural	Submitted	

V. Papers and Books/chapters published by the department:

Publications:

1. Singh, R. K., Mandal, S., Mohanta, A., Yadav, R., Kumar, R. R., Khatkar, R., & Uttam, V. (2025). The regulatory role of ZFAS1/miRNAs/mRNAs axis in cancer: A systematic review. *Oncology Research*, 33(3), 591.
2. Singh, S., Poonia, K., Kapatia, G., & Rana, M. K. (2025). Extensive nodular melanoma at the site of chronic venous insufficiency. *Indian Dermatology Online Journal*, 16(1), 179–181.
3. Kumar, R. R., Mohanta, A., Rana, M. K., Uttam, V., Tuli, H. S., & Jain, A. (2024). LncRNAs SOX2-OT and NEAT1 act as potential biomarkers for esophageal squamous cell carcinoma. *Discover Oncology*, 15(1), 693.



4. Kapatia, G., Jindal, A., Kaushal, G., Soni, A., & Rana, M. K.* (2024). Case of undifferentiated carcinoma with osteoclast-like giant cells associated with a mucinous cystic neoplasm of the pancreas: A diagnostic conundrum. *The Korean Journal of Gastroenterology*, 84(3), 128–131.
5. Uttam, V., Kapoor, H. S., Rana, M. K., Yadav, R., Prakash, H., Jain, M., & Tuli, H. S. (2024). Immune-related long non-coding RNA signature determines prognosis and immunotherapeutic coherence in esophageal cancer. *Cancer Informatics*, 23, 11769351241276757.
6. Kapatia, G., Jindal, A., Bansal, S., & Rana, M. K*. (2024). Verrucous outgrowth on scalp. *Cosmoderma*, 4, 93.
7. Goyal, L. D., Garg, P., Goyal, S., Bansal, S., & Rana, M. K. (2024). Varied clinical presentations of aggressive angiomyxoma of the vulva: A rare entity. *Journal of Family & Reproductive Health*, 18(1), 75.
8. Jindal, A., Kapatia, G., Rana, M. K.*, & Sharma, R. (2024). Calcifying aponeurotic fibroma of leg masquerading as hemangioma in an adolescent male along with review of literature. *Indian Journal of Surgical Oncology*, 15(1), 136–144.
9. Goyal, L., Bansal, S., Ernakulum, A., & Rana, M. K. (2024). Plasma cell gingivitis with plasma cell cheilitis: A diagnostic challenge. *Compendium of Continuing Education in Dentistry*, 45(10): e1- e4.
10. Bansal, S., Chojer, P., Sushama, S., & Rana, M. K. (2024). Dermoscopy in necrolytic acral erythema: A case report. *Dermatology Practical & Conceptual*, 14(1), e2024022.
11. Vivek Uttam, Manjit Kaur Rana, Uttam Sharma, Karuna Singh, Aklank Jain. Circulating long non-coding RNA EWSAT1 acts as a liquid biopsy marker for esophageal squamous cell carcinoma: A pilot study. 2024;9(1): 1-11. ISSN 2468-0540, <https://doi.org/10.1016/j.ncrna.2023.10.009>.
12. Kapatia G, Kaur M, Jain D, Rajasekaran S, Rajan N, Soni A, Sekar A. A tale of recurrent secretory carcinoma of submandibular gland in an adolescent male: A rare presentation of a rare tumor. *Diagn Cytopathol*. 2024 Jun 24. doi: 10.1002/dc.25377. Epub ahead of print. PMID: 38923370.
13. Kaur R, Mittal N, Soni A, Kaur H. Bilateral adrenal cryptococcosis causing adrenal insufficiency in an immunocompetent patient. *Indian J Pathol Microbiol*. 2024 Apr 1;67(2): 438-440.
14. Kapatia G, Parkhi M, Parwaiz A, Goel A, Dey P. Microscopic Papillary Thyroid Carcinoma: What It Taught Us? *J Cytol*. 2024 Oct-Dec;41(4): 236-238. doi: 10.4103/joc.joc_169_23. Epub 2024 Nov 8. PMID: 39735358; PMCID: PMC11676085.
15. Arya DM, Gupta S, Kapatia G, Kumari N. Commentary on 'Development and validation of a minimally invasive protocol for assessing oxidative stress markers in exfoliated oral cells'. *Cytopathology*. 2024 Aug 2. doi: 10.1111/cyt.13430. Epub ahead of print. PMID: 39091242.
16. Sidana S, Kapatia G, Thakur P, Roy A, Singla M. Histopathological features of non-insulinoma pancreatogenous hypoglycemia syndrome: A rare cause of hypoglycemia in non-diabetic adults. *IJEM Case Rep* 2024;2: 80-81.
17. Poonia K, Sushama S, Kapatia G. Unilateral granular parakeratosis of an axilla. *BMJ Case Rep*. 2024 Jun 11;17(6): e257394. doi: 10.1136/bcr-2023-257394. PMID: 38862187.
18. Goyal P, Bansal S, Kapatia G. Asymptomatic Nodule Over the Scalp. *Indian Dermatol Online J*. 2024 Apr 23;15(3): 566-567. doi: 10.4103/idoj.idoj_668_23. PMID: 38845667; PMCID: PMC11152468.
19. Goel A, Kapatia G, Parwaiz A, Gupta S. The Social Media Paradox: Unravelling the Impact of Digital Networks on Pathology. *Adv Anat Pathol*. 2024 Jun 3. doi: 10.1097/PAP.0000000000000455. Epub ahead of print. PMID: 38826140.
20. Arya DM, Gupta S, Kapatia G, Kumari N. Commentary on "Benchtop fine needle aspirations: An untapped source of cytologic educational material". *Diagn Cytopathol*. 2024 May 30. doi: 10.1002/dc.25362. Epub ahead of print. PMID: 38812456.
21. Goel A, Kapatia G, Singh B, Sharma V. Commentary on "Fusion of old and new: Employing touch imprint slides for next-generation sequencing in solid tumors". *Diagn Cytopathol*. 2024 May 13. doi: 10.1002/dc.25355. Epub ahead of print. PMID: 38738843.



22. Goel A, Kapatia G, Gupta S, Gupta V, Sidana S. Comments on "Diagnostic models for predicting malignancy in thyroid nodules classified as Bethesda category III in an endemic region". Diagn Cytopathol. 2024 May;52(5): 288-289. doi: 10.1002/dc.25302. Epub 2024 Mar 14. PMID: 38486129.
23. Saraf P, Bharti JN. Mucormycosis presenting as intestinal perforation: A pathologist perspective. Arab Journal of Gastroenterology. 2024 May 1;25(2): 234-6.
24. Vishwajeet V, Saraf P, Elhence PA, Tiwari S, Gosal JS, Jha DK. Primary intracranial malignant melanoma in an adolescent female: a case report. Egyptian Journal of Neurosurgery. 2024 Apr 9;39(1): 18

Book/ Book Chapter:

1. **Kapatia G.** Molecular Mechanism of Metastasis in Cancer. In Recent Advances in Pathology- 1. Edited by Dey Pranab, Jaypee 2025, pp59-76.

Edited book: Nil

The department needs to provide the following numbers **individual faculty wise**:

- Dr. Manjit Kaur, Additional Professor

5) Research papers	12
6) Book/Book chapter	Nil
7) i10 index*	12
8) H index*	10

- Dr. Ankita Soni, Associate Professor

1. Research papers	03
2. Book/Book chapter	Nil
3. i10 index*	01
4. H index*	04

- Dr. Gargi Kapatia, Assistant professor

1. Research papers	13
2. Book/Book chapter	01
3. i10 index*	07
4. H index*	09

- Dr. Pallavi Saraf, Assistant professor

1. Research papers	02
2. Book/Book chapter	Nil
3. i10 index*	00
4. H index*	02

VI. Key Highlights and Departmental Activities:

Number of Conference Organized*: 02

Hemophilia Day Awareness (April 22, 2024)

DISH CME and Workshop (August 13, 2024) (Pathology/01)

Number of Workshop Organized*: 04

Sickle cell day Update (19th June 2024)

ISHBT National Hematology Quiz- State Round (August 13, 2024) Flowcytometry Workshop and Training (Sep 27, 2024)

Workshop on CTC (Circulating tumor cells, December 2024) (Pathology/02)

VII. Thesis Supervised (MD/MS): *Number: 11

Extended investigations including:

- **FLOW CYTOMETRY** – T-cell subset HLA-B27, leukaemia/lymphoma panel
- **MOLECULAR PATHOLOGY**- HPV-DNA testing by RT-PCR

- **Immunopathology Lab-** Indirect immunofluorescence for autoimmune workup (ANCA, ASMA, AMA, LKM, GPA)

Residents Achievements:

1. **Dr. Subha Sheryl** received Gold medal in PG Quiz in CYTOCON 2024, AIIMS Jodhpur.
2. **Dr. Dhawani Jain** received Award of appreciation in 5th Science Conclave- CUM- Nbrcom, 2024 at AIIMS Delhi.
3. **Dr. Akula Madhuri Priyanka** received certificate of appreciation in Award of appreciation in 5th Science Conclave- CUM- Nbrcom, 2024 at AIIMS Delhi.
4. **Dr. Akula Madhuri Priyanka** received gold medal from President of India.
5. **Dr. Dhawani Jain** received silver medal from Executive Director of AIIMS Bathinda. (Pathology/03)



Pathology/01: The Department of Pathology, AIIMS Bathinda successfully hosted a DISH CME and Workshop "on August 13, 2024



Pathology/02: The Department of Pathology, AIIMS Bathinda successfully hosted a Workshop on CTC (Circulating tumor cells) on 18th December 2024



Pathology/03: Residents Receiving medals.



DEPARTMENT OF PAEDIATRICS

Name of the Department	Paediatrics
Head of the Department	Dr Arvinder Wander

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Arvinder Wander	Associate Professor	21-04-2023
2.	Dr. Prashant Chhabra	Assistant Professor	11-04-2022
3.	Dr. Ramandeep Kaur	Assistant Professor	11-03-2024
4.	Dr. Raksha Ranjan	Assistant Professor	15-11-2023

II. Brief Introduction of the department:

The Department of Paediatrics Medicine at AIIMS Bathinda envisions becoming a centre of excellence in providing comprehensive, evidence-based, and compassionate care for all Paediatric patients, including complex and rare disorders. The department is committed to establishing state-of-the-art diagnostic and therapeutic laboratories, including advanced neurophysiology and intensive care units, to cater to the needs of this underserved region. Academically, the department is actively involved in postgraduate teaching and aims to initiate super-specialty courses to build a strong future workforce in child health. Our research priorities focus on addressing region-specific challenges and conducting innovative studies in previously unexplored areas of rural paediatric neurology, infectious diseases, and nutritional disorders. The department also offers a wide spectrum of patient-related services, including specialized clinics, immunization programs, developmental assessments, and emergency care, ensuring holistic paediatric healthcare under one roof.

III. Patient care Data:

SI No	Category	Number
1.	Patients seen in OPD	17423
2.	Patients admitted in IPD 1. Paediatrics Medicine ward A and B = 762 2. Paediatrics PICU=119 3. Paediatrics Day Care=766 4. Paediatrics Day Care 2 = 141 5. Paediatrics 6D ward = 323	2111
3.	Teleconsultations	
4.	Procedures performed A. Major B. Minor	Muscle biopsies-3/week Bone marrow aspiration and biopsies = 10 Month Lumbar punctures =20 per week
5.	Any other special clinic/activity	Paediatric Neurology clinic /Ped Oncology/Pulmonology, Nephrology clinic

For Diagnostic departments:

SI No	Category/ Name of test	Number
1.	EEG	30 per week
2.	Bedside Ultrasound	20 per week



IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Arvinder wander	1.A Novel Crossover between Vici Syndrome and Spastic Paraplegia: Variant of EPG5 in Spastic Paraplegia	Resident training programme of USA	Boston Medical Centre
		2.Rare EEG features of common Pediatric epilepsy syndromes	27 th Biennial international Pediatric conference	Lahore Pakistan
National conferences				
1	DR Arvinder Wander	<p>1.Organized High end workshop on Neurogenetics symposium in collaboration with Japan and central university of Punjab (Organizing Member).</p> <p>2. Organized IAP CPR Basic life support course for health care providers. (Organizing Member).</p> <p>3.Presented a talk on Acquired demyelination syndromes in Punjab state webinar by SAPA and Moderated case presentations where our PGS Presented cases of AIIMS Bathinda</p> <p>4.Presented our AIIMS Bathinda cases at Kuna abroms meet held by Harvard medical school Boston, talk was invited by head of Boston medical centre traumatic brain injury Dr. Alcy Torres (Director TBI At Boston medical centre)</p> <p>5.Invited as a chairperson in Thalassemia conference organized by department of pathology and Paediatrics held at AIIMS Bathinda</p> <p>6.Presented a talk in INER workshop on disaster management held at AIIMS Bathinda on Disaster-Childhood disability and impact</p> <p>7 Delivered a talk on cerebral palsy mimics at annual conference of growth and development GDBPCON 2024-at Government medical college Amritsar</p>	<p>Neurogenetics symposium June 2024</p> <p>IAP CPR course-Jan 2025</p> <p>State webinar series by IAP-feb2025</p> <p>Resident training programme Nov 2024</p> <p>June 2025 AIIMS Bathinda</p> <p>Jan 2025 by INER Nursing institute AIIMS Bathinda</p> <p>GMC Amritsar Sep 2024</p>	<p>AIIMS Bathinda and CUP</p> <p>AIIMS Bathinda</p> <p>IAP Punjab chapter</p>



		8. Delivered a talk on approach to first episode of seizure at national CME of IAP neurology chapter at Amritsar	March 2025 GMC Amritsar	
5	DR PRASHANT CHHABRA	<ol style="list-style-type: none"> 1. Resource faculty for palliative care training as part of ICMR project- Development and Implementation of Comprehensive Coordinated Community based palliative care model for cancer patients(C3PaC) 2. MAPICON –AIIMS Bathinda- Delivered lecture on “The Thrombocytopenia conundrum” 3. PHOCON – 2024, Jammu, - Faculty for pre conference workshop 4. Faculty in 2nd National Conference of Society of Pediatric Cellular therapy and transplant (SPCTT) – 	April 2024. September 2024 November 2024 March 2025	Palliative care team, AIIMS Bathinda API Malwa IAP PHO Chapter SPCTT
6	Dr. Ramandeep Kaur	Incidence and Risk Factors for Morbidities Associated with Excessive Postnatal Weight Loss in Exclusively Breastfed Healthy Infants (≥36 Weeks) during Initial Birth Hospitalization	NEOCON 2024	IAP

V. Research activities undertaken in the department:

Sr No	Name & designation of PI	Title of the project	Source of Support Intramural/ Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Prashant Chhabra , Assistant Professor	Improving Survival of Childhood Acute Lymphoblastic Leukaemia in India (ISCALL): Iccle implementation study	Extramural	Ongoing	20,09,534
2	Dr. Ramandeep Kaur (Assistant Professor)	Prevalence and risk factors for wheezing in infants in agriculture predominant state of North-Western India (STS)	ICMR	Ongoing	60,000
Projects submitted					
1	Dr Prashant Chhabra	Establishing the InPHOG network of hospital based childhood cancer registries in India			
2	Dr Arvinder wander	Oral health status in CP children -case control study	Intramural	Ongoing	Non funded
	Dr Arvinder wander	Assessment of dietary habits and nutritional status of drug responsive verses drug resistant epilepsy children	Intramural	Ongoing	Non funded

VI. Papers and Books/chapters published by the department:

Research papers

Dr Raksha Ranjan = 2



1. Srihari, Sahana; Ranjan, Raksha1;et al. Infantile Varicella with Acute Kidney Injury – A Child with Immunodeficient Mother. *Indian Journal of Paediatric Dermatology* 25(2): p 176-177, Apr–Jun 2024. | DOI: 10.4103/ijpd.ijpd_75_23
2. Madhur Verma, Nitin Kapoor, Sabyasachi Senapati, Omna Singh, Ajeet Singh Bhadoria, Preeti Khetarpal, Shashank Kumar, Kanika Bansal, Raksha Ranjan, Rakesh Kakkar & Sanjay Kalra Comprehending the Epidemiology and Aetiology of Childhood Obesity: Integrating Life Course Approaches for Prevention and Intervention. *Diabetes The r* 16, 1177–1206 (2025). <https://doi.org/10.1007/s13300-025-01734-7>

Dr Arvinder Wander-20

1. “Frog face and strangulated medulla”: neuroimaging phenotype in a novel mutation in GFAP gene causing adult onset Alexander disease S Peer, A Wander, R Singh, V Lakhnawal Neurological Sciences, 1-4
2. “Hair-on-end” appearance in thickened cortex in a case of classic lissencephaly due to DCX gene mutation S Peer, A Wander, AK Meena Neurological Sciences, 1-3
3. Updates in the Management of Hereditary Periodic Fever Syndromes in Children SK Tripathy, A Kumar, S Das, A Wander, S Kundu *Cureus* 17 (4)
4. FLAMES and holocord involvement in a child with myelin oligodendrocyte glycoprotein antibody associated disease R Singh, A Goel, A Wander Neurological Sciences 46 (4), 1951-1953
5. Moya Moya Disease with Absence of Bilateral Radial Arteries—A Clinical Masquerade of Takayasu Arteritis R Singh, S Peer, AK Meena, A Bali, A Wander
6. *Indian Journal of Paediatrics* 92 (4), 409-410
7. POLR3-Related Leukodystrophy: A Case Series from the Indian Scenario AK Meena, A Wander, A Mahesan, G Kamila, A Kumar, B Chakrabarty, *Neurology India* 73 (2), 325-329
8. 7. A critical review of microbiome-derived metabolic functions and translational research in liver diseases R Ganesan, D Thirumurugan, S Vinayagam, DJ Kim, KT Suk, M Iyer, *Frontiers in Cellular and Infection Microbiology* 15, 1488874
9. 8.The evolving spectrum of LAMA2 related congenital muscular dystrophy (MDC1)- Case series and review of literature R Sinha, S Singh, M Tiwari, Z Luhar, AK Meena, A Wander, D Soneji *Brain Disorders*, 100181
10. A Novel Crossover between Vici Syndrome and Spastic Paraplegia: Variant of EPG5 in Spastic Paraplegia A Elangovan, R Singh, A Bali, B Vellingiri, AK Meena, S Peer, A Wander *Indian Journal of Paediatrics*, 1-1
11. Neurofibromatosis Type 1: Clinical and Imaging Perspectives From a Pediatric Case
12. PK Choudhary, AK Meena, A Wander, A Mahesan, P Singh *Case Reports in Radiology* 2025 (1), 9912392
13. Unravelling the Mechanistic Approach of Aflatoxin Contaminated Food on Neurodegenerative Diseases—A Novel Approach A Elangovan, A Singh, M Iyer, SM Kumar, M Kinoshita, J Krishnan, *Journal of Applied Toxicology*
14. Diabetic striatopathy in a child with type 1 diabetes mellitus. R Singh, A Roshwanth, M Gaddigoudar, C B Anuhya, A Wander *Journal of Neurosciences in Rural Practice* 16 (1)
15. An Integrated Approach: Improving Tooth Nomenclature to Include Dental Abnormalities for Enhanced Clinical Diagnosis and Communication
16. A Gupta, A Wander, P Kumar, R Singh *Contemporary Clinical Dentistry* 16 (1), 73-76
17. Teaching Video Neuro Image: Reversible Cerebral Atrophy and Substantia Nigra Changes After Vitamin B12 Treatment in Infantile Tremor Syndrome R Singh, S Peer, AK Meena, A Wander *Neurology* 103 (12), e210076
18. Epilepsia partialis continua in a child with disseminated tuberculosis: a case report and review of literature A Mahesan, A Wander, R Singh, MS Gaddigoudar, AK Meena *Therapeutic Advances in Infectious Disease* 11, 20499361241304476
19. Central Nervous System Tuberculomas: Additive Role of Sampling from Peripheral Sites M Gaddigoudar, PK Choudhary, AK Meena, R Singh, P Singh, A Wander *Indian Journal of Paediatrics* 91 (12), 1304-1304



20. Enamel hypoplasia: a potential diagnostic aid in DiGeorge syndrome
21. A Gupta, R Singh, A Wander BMJ Case Reports CP 17 (12), e262853
22. Olivary Hypertrophy Induced Palatal Myoclonus in a Treated Case of Medulloblastoma R Singh, V Lakhanpal, S Peer, A Wander Neuro paediatrics 55 (06), 424-426
23. Pie in the sky appearance—Unraveling rheumatic heart disease in a Pediatric stroke R Singh, V Lakhanpal, SK Dhoot, S Peer, A Wander Journal of Neurosciences in Rural Practice 15 (4), 607
24. Neurological Manifestation of Neonatal Acute Kidney Injury: Focusing on the Clinico - Radiological Profile P Gupta, AK Meena, E Parakh, A Wander, B Rathore, H Jangid, M Parakh Cureus 16 (9)

Book/Book chapter-

DR Arvinder wander

Chapter 2-A brief introduction to neurodevelopmental disorders -BOOK name Fundamentals of brain organoids for neurological disorders 1st edition by Elsevier

i10 index

Dr Raksha Ranjan = 2

H index

Dr Arvinder Wander-3

Dr Ramandeep Kaur = 2

Dr Raksha Ranjan = 3

VII. Key Highlights and Departmental Activities:

- Delivered a talk on Syndromic Association and triaging in TEF Babies in “Esophageal Atresia and TEF” CME conducted by department of Pediatric Surgery AIIMS Bathinda (March 2025)
- As Organizing secretary conducted Basic Neonatal Resuscitation Programme (NRP) Provider Course (March 2025)
- Under MOHFW Nursing Development Programme conducted workshop on “Diarrhoeal Diseases Management as per IMNCI-Hands On session” (March 2025)
- Conducted CME on Brain EEG, and Delivered talk on – “Amplitude Integrated EEG” (August 2024)
- Trained at State level TOT (Training of trainers) on Pediatric TB guidelines held at GGSMH Faridkot (December 2024)
- Organized Breast Feeding week and delivered talk on “Breaking barriers & nourishing the future through effective breastfeeding” (August 2024)
- Organized IAP CPR Basic life support course for health care providers
- Organized High end workshop on Neurogenetics symposium in collaboration with Japan and central university of Punjab

VIII. Thesis Supervised (MD/MS):

DR Arvinder Wander –

Chief guide -6 MD students

Co guide - 4 MD students

Dr Ramandeep Kaur

1. Number: Guide in 1 MD Paediatrics thesis

- Incidence, Risk Factors and Cultural Practices for Infantile Colic in North- Indian Infants Aged One - Three Months: Cohort Study

Co-guide in 2 MD Paediatrics thesis

- To Correlate Values Between Transcutaneous Bilirubin (TCB) vs Total Serum Bilirubin (TSB) Levels in ≥ 35 weeks of gestational age Neonates after receiving Phototherapy (rebound bilirubin) – Correlational Study

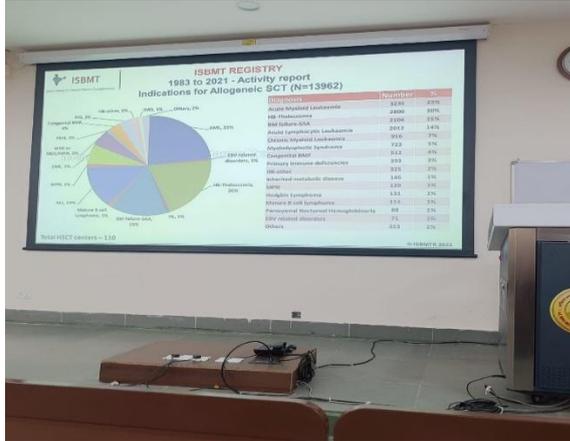


- Efficacy of low dose steroid in children with steroid sensitive nephrotic syndrome aged 2-13 years - An open labelled randomized controlled trial in a Tertiary care centre in India

Dr Raksha Ranjan = 2

IX. Other Notable Achievements (in numbers):

- **Dr Ramandeep Kaur:** Certified in The Bayley Scales of Infant & Toddler Development - 4th Edition (Nov 2024)
- **Dr Raksha Ranjan =** One STS project batch 2024 ICMR, reference ID STS2024-10309



Conducted Stem cell donor registration drive at AIIMS, Bathinda in collaboration with DATRI registry along with awareness seminar on stem cell donation for MBBS and Nursing students.- 16/07/2024



Conducted Stem cell donor registration drive at AIIMS, Bathinda in collaboration with DATRI registry along with awareness seminar on stem cell donation for MBBS and Nursing students.- 16/07/2024



Organized world Hemophilia day with awareness seminar for patients and carried plantation drive at AIIMS in collaboration with Department of Pathology and Tree lovers society, Bathinda on- 22/04/2024.



Organized world Hemophilia day with awareness seminar for patients and carried plantation drive at AIIMS in collaboration with Department of Pathology and Tree lovers society, Bathinda on- 22/04/2024



Organized state level Hematology Quiz in association with ISHBT and Dept. Of Pathology on-12/07/2024.



Organized play therapy session for children with cancer in association with palliative medicine, dept. Of Anesthesiology-08/03/2025



DEPARTMENT OF PEDIATRIC SURGERY

Name of the Department	PEDIATRIC SURGERY
Head of the Department	Prof. Ram Samujh

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Ram Samujh	Professor	21.8.2023
2.	Dr. Navdeep Singh Dhoat	Associate Professor	07.08.2019
3.	Dr. Saswati Behera	Assistant Professor	21.4.2022

II. Brief Introduction of the Department:

Department of Pediatric Surgery – Excellence in Compassionate Surgical Care for Children

AboutUs:

Our team comprises experienced **Consultant Pediatric Surgeons** and **Nursing Officers trained in pediatric care**, who are deeply committed, highly qualified, and dedicated to delivering the **highest standards of surgical treatment and perioperative management** for infants, children, and adolescents.

Scope of Services:

The Department of Pediatric Surgery specializes in the **diagnosis and surgical management** of a broad spectrum of conditions in patients ranging from **neonates to adolescents**. We provide comprehensive care across:

- **Emergency and trauma** cases requiring immediate intervention
- **Semi-elective conditions** that need close observation and timely management
- **Elective surgeries** for congenital and acquired pediatric surgical conditions

Our services currently benefit children from **Punjab and neighbouring states**, including **Haryana and Rajasthan**.

Facilities and Services Offered:

- 1. Outpatient Services (OPD)- Daily:**
 - Evaluation of new cases
 - Preoperative counseling and preparation
 - Postoperative follow-ups and long-term care
- 2. Major Operation Theatre (OT) Services- Daily:**
 - Neonatal and pediatric emergency surgeries
 - Pediatric solid tumor surgery
 - Pediatric neurosurgical procedures
 - Pediatric urology and reconstructive surgeries
 - Minimal invasive procedures: Laparoscopic, Cystoscopic, and Thoracoscopic surgeries
- 3. Minor OT Services:**
 - Daily dressings and minor procedures
 - Pediatric cannulation, sampling, catheterization, and urethral calibrations
 - Suturing under local Anesthesia
 - Clean intermittent catheterization (CIC) training for neurogenic bladder and bowel programs
- 4. Diagnostic and Therapeutic Procedures:**
 - Barium enemas, distal colograms, micturating cystourethrograms (MCU), PCN-grams



- Intralesional steroid injections
- Lymph node biopsies
- Structured enema programs
- 5. **Inpatient (IPD) Management:**
 - Comprehensive pre- and post-operative inpatient care
 - Multidisciplinary coordination for complex cases
- 6. **Pediatric Emergency and Trauma Unit:**
 - 24x7 surgical support for pediatric trauma and emergencies
- 7. **Neonatal Surgical Care:**
 - Surgical management of neonates in NICU
 - Care for babies born to inpatient mothers with antenatal diagnoses
- 8. **Specialized Clinics and Programs:**
 - **Antenatal counseling clinics** for congenital anomalies
 - **Multidisciplinary tumor board** for pediatric oncology cases
 - Support services for chronic care and rehabilitative surgery

III. Patient care:

For departments engaged in clinical patient care:

Sr. No	Category	Number
1.	Patients seen in OPD	4762
2.	Patients admitted in IPD	519
3.	Teleconsultations	10
4.	Procedures performed	
	A. Major	413
	B. Minor	50
5.	Any other special clinic/activity (minor OT)	

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr.Ram Samujh	Professor (Dr) R.P. Choudhary Oration	2 nd International Conference of Pediatric Surgeons(NAPSCON 2025)	Nepalese Association of Pediatric Surgeons
2	Dr. Navdeep Singh Dhoat		-	
3	Dr.Saswati Behera		-	
National conferences				
4	Dr. Ram Samujh	Organizing Chairperson	First National Conference on Esophageal Atresia with Tracheoesophageal fistula (EAT-2025) on March 20-22, 2025	AIIMS Bathinda
		Chairperson	Annual Conference of Indian Association of Pediatric Surgeons and the 7 th UP-UK State Chapter of IAPS on November 7-10, 2024.	AIIMS, Rishikesh (Uttarakhand)



		Faculty	Annual Conference of Research and Innovation in Pediatric Surgery (RIPS-2024, Jammu) on December 6-7,2024	AIIMS, Jammu
		Faculty	Annual Conference of Indian Association of Pediatric Surgeons, Jammu & Kashmir chapter (JKIAPSCON 2025) on April 18-19, 2025	Jammu Medical College, Jammu
		Faculty at Valedictory function with President, AIIMS Bathinda	Workshop under the scheme-Development of Nursing Services MOHFW, New Delhi on March 4-10,2025	Institute of Nursing Education & Research (INER), AIIMS, Bathinda
		Faculty	Workshop on Development of Nursing Services, MOHFW, New Delhi on February 13-19,2025	Institute of Nursing Education & Research, AIIMS, Bathinda
		Guest Faculty	In Service Education Programme on "Autism" on September 09, 2024	College of Nursing, Indira Gandhi Institute of Medical Sciences, Patna (Bihar)
		Guest Faculty	National Conference SPNCON-2024 on May 17-19,2024	Institute of Nursing Education & Research, AIIMS, Bathinda
		Chairperson	Dr. C. P. Thakur Oration on 5 th September, 2024	Indira Gandhi Institute of Medical Sciences, Patna (Bihar)
5	Dr. Navdeep Singh Dhoat	Nominated scholar	Summer School of Hypertension	Vietnam
		Co-Organizing Chairperson	First National Conference on Esophageal Atresia with Tracheoesophageal fistula (EAT-2025), AIIMS Bathinda on March 20-22,2025	AIIMS Bathinda
6	Dr. Saswati Behera	1. As faculty	SOCIETY OF PEDIATRIC UROLOGY (SPUCON)-IAPS 2024	Kolkata
		2. Dog bite or dog eaten!! Our experience and implementation research on surgical management – Best paper in oral presentation	Research and innovation in Pediatric Surgery (RIPS-2024)-	AIIMS JAMMU



		3. resource faculty and operating surgeon	Exstrophy Epispadias complex workshop 2024 SMGS Jammu	SMGS Jammu
		4. Research proposal: An Ambispective study to estimate the disease burden and factors affecting congenital anomalies in Punjab and adjoining regions of North India.	Implementation Methods for Practical Action and Collaborative Transformation (IMPACT 2024) under ICMR	AIIMS Bathinda
		3. Training on resuscitation and management of BURNS	BURNS 2025	AIIMS New Delhi
		4. Organizing Secretary	First conference on Esophageal Atresia and Tracheoesophageal Fistula (EAT 2025)	AIIMS Bathinda
		5. Neonatal surgery: journey in AIIMS BATHINDA	First conference on Esophageal Atresia and Tracheoesophageal Fistula (EAT 2025)	AIIMS Bathinda
		6. Moderator: Multimodal approach to a case of Neuroblastoma 7. Presenter: Establishing multimodal pediatric oncology services in a new center: Challenges and strategies 8. Pre-conference resource faculty and operating surgeon	Annual conference Jammu and Kashmir chapter- Indian Association of Pediatric Surgeons 2025 (JKIAPSCON 2025)	SMGS Jammu



v. Faculty achievements –awards, honours etc

Sr. No	Name of faculty	Award/honour	Event	Organised by
1.	Dr. Ram Samujh	Mentor Award Certificate	2 nd Jammu and Kashmir Chapter of Indian Association of Pediatric Surgeons on	Dept. of Pediatric Surgery, SMGS/GMC, Jammu
		Member of the Publication Committee	Journal of National Academy of Medical Sciences	National Academy of Medical Sciences, Delhi
2.	Saswati Behera	Best paper in oral presentation - Dog bite or dog eaten!! Our experience and implementation research on surgical management.	RIPS 2024	AIIMS Jammu
		Ambispective Study		

VI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/completed)	Budget
Projects sanctioned					
1.	Dr.Ram Samujh	a. To estimate the disease burden of congenital anomalies and factors affecting the same in populations in Malwa Region: An Ambispective Study	Intramural (Co- PI)	Ongoing	Non-funded
		b. Incidence of perioperative adverse events in overweight and obese children in India- a prospective, observational, multicentric study.	Intramural (Co- PI)	Ongoing	Non-funded
2.	Saswati Behera	An Ambispective study to estimate the disease burden and factors affecting congenital anomalies in Punjab and adjoining regions of North India.	intramural	ONGOING	Non-funded



VII. Papers and Books/chapters published by the department:

Academic Contributions*:

Name	Research Papers	Book/Book Chapter	i10 Index*	H Index*	Citations
Dr. Ram Samujh	9	2	60	23	1734
Dr. Navdeep Dhoat	4	-	-	-	20
Dr. Saswati Behera	4	-	01	03	22

Research Papers:

- Jain, A., Peters, N.J., Samujh, R. *et al.* Outcome analysis of surgical complications in pediatric solid tumors: a retrospective clinical study. *Pediatr Surg Int* 41, 201 (2025). <https://doi.org/10.1007/s00383-025-06069-9>
- Saswati Behera, Gulshan Kumar Saini, Ram Samujh, Navdeep Singh Dhoat, Manish Swami. Neonatal Lactobezoar (milk curd syndrome): a case report. *Journal of Pediatric Surgery Case Reports* 118 (2025)103034.
- Thakur C, Mathew JL, Saxena AK, Angrup A, Samujh R. Six Versus Three Doses of Intrapleural Streptokinase in Childhood Empyema: A Randomized Controlled Trial. *Pediatric Pulmonology*. 2025 Jan: e27465.
- Dhoat N, Sharma S. Recent advances in pediatric colorectal cancer: a systematic review. *Pediatr Surg Int*. 2025, 18;41(1): 174. doi: 10.1007/s00383-025-06076-w. PMID: 40531222.
- Bade R, Peters NJ, Dogra S, Malik MA, Mahajan JK, Yaddanapudi S, Solanki S, Bawa M, Samujh R. Repair of Type C Tracheo-esophageal Fistula/Esophageal Atresia With or Without Trans Anastomotic Tube: A Pilot Randomized Controlled Trial. *Journal of Pediatric Surgery*. 2025 Jan 1;60 (1): 161970.
- Vutukuru S, Peters NJ, Mewara A, Kaur S, Samujh R. Liver and mesenteric hydatid cyst in a child. *Journal of Laboratory Physicians*. 2024 Apr 1;16(2).
- Solanki SS, Menon P, Kanojia RP, Peters N, Samujh R, Saxena A. Acute exogenous lipoid pneumonia due to foreign body aspiration in a child-an unusual and sinister presentation: A case report. *Journal of Pediatric and Adolescent Surgery*. 2024;2 (2): 50-2.
- Behera S, Dhoat NS, Samujh R. Establishing multimodal pediatric oncology services in a new tertiary center of north India: challenges and strategies- accepted as an abstract for online publication (*Pediatric Blood and Cancer- SIOP* 2024).
- Behera S, Dhoat NS, Samujh R. Lymph node dissection in Wilms: Does a surgical template improve node harvesting? (accepted as an abstract for online publication (*pediatric blood and cancer- SIOP* 2024)
- Bade R, Mahajan JK, Kalavant A, Behera S, Singhai P, Saxena A. Comparison of the Role of Anticholinergics and α -1 Adrenergic Blockers in Bladder Management in Posterior Urethral Valves: A Pilot Randomized Control Trial. *Urol Int*. 2025;109(2): 120-127. doi: 10.1159/000541245. Epub 2024 Oct 3. PMID: 39362196.

11. Saswati Behera, Gulshan Kumar Saini, Ram Samujh, Navdeep Singh Dhoat, Manish Swami. Neonatal Lactobezoar (milk curd syndrome): a case report. *Journal of Pediatric Surgery Case Reports* 118 (2025) 103034.

b) **Books:**

1. Choudhury, P., Samujh, R., & Goel, P. (in press). *Epidemiology and biostatistics: Foundations and applications*. In *Public and environmental health: Shaping tomorrow for a sustainable future*. Elsevier.
2. Phugat, S., Samujh, R., & Goel, P. (in press). *Public health nutrition: Promoting healthy dietary practices*. In *Public and environmental health: Shaping tomorrow for a sustainable future*. Elsevier.

VIII. Other important Highlights with relevant photographs of the department:

Number of Conference Organized*- 1 (One)

Number of Workshop Organized* - 1 (One)

AIIMS Bathinda Organizes EAT 2025: Advancing Pediatric Surgical Care

The Departments of Pediatric Surgery and Neonatology at **AIIMS Bathinda** successfully hosted the **1st National Conference on Esophageal Atresia and Tracheoesophageal Fistula (EAT 2025)** from March 20–22, 2025. Inaugurated by Prof. Meenu Singh, the event emphasized innovation, collaboration, and skill-building in managing complex congenital anomalies. Esteemed speakers, including Prof. Bindey Kumar, Prof. Bikash Naredi, and Senior Pediatric Surgeons from across AIIMS institutions, shared insights on surgical strategies, antenatal diagnosis, and postoperative care.

Highlights included panel discussions, paper and poster presentations by students, and a moving stage performance by MBBS students portraying the journey of children with EA/TEF. Dr. Lucky Kasat's motivational session, *"What is My Peak"*, left a lasting impression.

Led by **Prof. Ram Samujh, Dr. Navdeep Singh Dhoat, and Dr. Saswati Behera**, the conference set a new academic benchmark, reinforcing AIIMS Bathinda's commitment to holistic, multidisciplinary pediatric surgical care.



Fig 1: Inauguration of play zone in Pediatric surgery ward



Fig 2: First Conference on Esophageal Atresia and Trachea- Esophageal Fistula (EAT 2025)



Figure 3- Chief Guest for the inauguration of NAPSCON 2025 at Lalitpur, Nepal



Figure 4- Orator for Prof. R. P. Chaudhary Oration at Lalitpur, Nepal



Figure 5- Rapunzel Syndrome in a 7- year old girl with Gastric Outlet obstruction- Sent for Guinness Book of Records

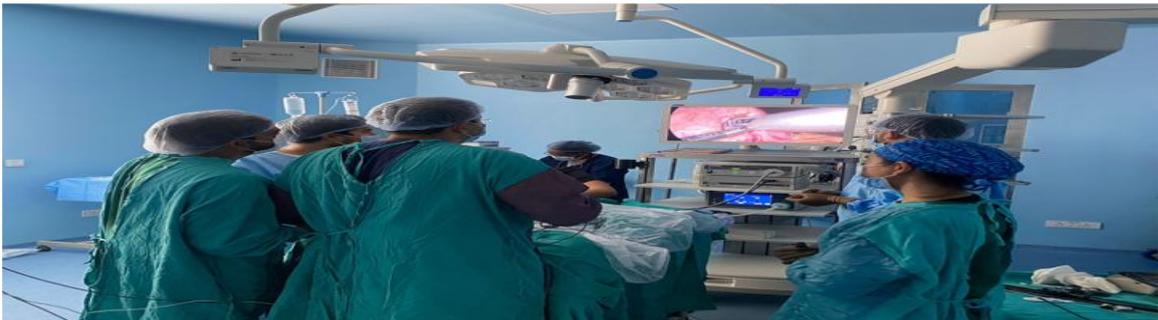


Figure 6- Laparoscopy for removal of longest 130 cm long Trichobezoar



Figure 7- Operated child of Sacrococcygeal Teratoma



DEPARTMENT OF PHARMACOLOGY

Name of the Department	Pharmacology
Head of the Department	Dr. Gagandeep Kwatra

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Gagandeep Kwatra	Additional Professor	16.08.2023
2.	Dr Mintu Pal	Associate Professor	10.09.2021
3.	Dr.Abhinav Kanwal	Associate Professor	08.11.2019
4.	Dr. Rachna Rohilla	Assistant Professor	22.07.2022
5.	Dr Vikas Kumar	Assistant Professor	21.08.2023

II. Brief Introduction of the department:

With a strong emphasis on rational drug use, adverse drug reaction monitoring, and pharmacovigilance, the department is actively involved in both academic and hospital-based services. It houses a fully functional Adverse Drug Reaction Monitoring Centre (AMC) under the Pharmacovigilance Programme of India (PvPI) and contributes significantly to drug safety awareness among healthcare professionals and the community. The department is involved in prescription audits and on-call consultations for antimicrobials. In addition to teaching and service activities, the department is engaged in research in areas such as neuropharmacology, molecular pharmacology, and drug safety surveillance. Faculty members are involved in guiding MD and undergraduate research projects and have successfully obtained extramural funding for multiple ongoing projects. Through a collaborative and interdisciplinary approach, the Department of Pharmacology remains committed to fostering academic excellence, patient safety, and translational research to improve healthcare outcomes.

III. Patient care Data:

For Clinical departments:

Sl No	Category	Number
1.	Patients seen in OPD	None
2.	Patients admitted in IPD	None
3.	Teleconsultations	None
4.	Procedures performed A. Major B. Minor	None
5.	Any other special clinic/activity	<ul style="list-style-type: none"> ▪ On-call consultations for antibiotic review: Dr. Rachna, Dr. Vikas: 70 ▪ Dr. Abhinav and Dr. Vikas are involved in the functioning of the Adverse Drug Reaction Monitoring Centre (AMC) under PvPI. ▪ The department actively conducts pharmacovigilance awareness programs and also contributes to promoting rational use of medicines through prescription audits and community outreach initiatives. ▪ Dr. Gagandeep, Dr. Abhinav and Dr. Vikas: Causality



		<p>assessment of ADR reported as members of Causality Assessment Committee</p> <ul style="list-style-type: none"> ▪ Dr. Gagandeep, Dr. Abhinav and Dr. Vikas: As member of Drug and Therapeutic Committee involved in development of SOPs for Management of medication and Hospital Formulary along with investigating patient safety issues and taking critical decisions on case-to-case basis ▪ Dr. Gagandeep, Dr. Abhinav, Dr. Rachna and Dr. Vikas have formulated the SOPs for Medication management in the hospital ▪ Department is coordinating activities related to prescription audits and drug utilization patterns study.
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IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Rachna Rohilla	Webinar Speaker on “Multidisciplinary Work: The importance of collaboration between healthcare professionals for an accurate diagnosis” organized during ISO Patient Safety Day.	13 th September 2024	International Society of Pharmacovigilance (ISoP)
2	Mintu Pal	Selective deletion of PPARβ/δ in fibroblasts causes dermal fibrosis by attenuated LRG1 expression.	International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024) held on 28 th Nov 2024-30 th Nov 2024	Department of Pharmacology, AIIMS, New Delhi.
3	Gagandeep Kwatra	Artificial Intelligence in the Battle Against Antimicrobial Resistance in Indian Pharmacology Association Annual Conference at AIIMS, Delhi in November 2024.	International Pharmacology Conference & 54th Annual Conference of Indian Pharmacological Society (IPC-IPSCON 2024) held on 28 th Nov 2024-30 th Nov 2024	Department of Pharmacology, AIIMS, New Delhi
4	Dr. Rachna Rohilla	Course Director and Faculty in “Critical Appraisal of Published Literature and Research Methodology for Clinicians”,	18 th January 2025 and 25 th January 2025	Royal College of Physicians and Surgeons of Glasgow, UK
5	Dr. Rachna Rohilla	Oral Presentation in Conference “International	1 st to 2 nd February 2025	ICOP, MAHE, Manipal



		Conference on Pharmacometrics (ICOP-2025)", India		
6	Dr. Mintu Pal	: The Impact of PPARβ/δ Deletion and Target Genes in Dermal Fibrosis and Wound Healing	3rd International Conference on Energy, Functional Materials/Molecules and Nanotechnology (ICEFN-2025) held on 20 th -22 nd March 2025.	Kumaun University, Nainital, UK
7	Dr. Rachna Rohilla	Oral virtual Presentation in "Infection 2025" 8 th Edition of World Congress on Infectious Diseases on "Multipronged Interventions to reduce surgical site infections: A multicenter implementation research protocol" held from 9 -11 th June 2025 in Rome, Italy	11 th June 2025	World Congress on Infectious Diseases
8	Dr. Vikas Kumar	Lenalidomide enantiomers: in silico and in vitro assessment against multiple myeloma cell line		British Pharmacology Society
9	Dr. Vikas Kumar	Combating carbapenem-resistant organisms with colistin-sparing regimens	17th Congress of the European Association for Clinical Pharmacology and Therapeutics	European Association for Clinical Pharmacology and Therapeutics
National conferences				
10	Dr. Rachna Rohilla	Attended Workshop on Research Data Management using REDCap organized by ICMR-National Task Force on Safe and Rational Use of Medicines	30 th and 31 st May 2024	ICMR-NIE, Chennai
11	Dr. Rachna Rohilla	Organizer and faculty in Pre-conference workshop on "Implementation of Antibiotic Stewardship Programs in resource constrained settings: Challenges and Solutions" during 6 th National Conference and Workshop on Antimicrobial Stewardship Practices in India (ASPICON) 2024	22 nd August 2024	PGIMER Chandigarh
12	Dr. Rachna Rohilla	Speaker on topic "Dose optimization of antimicrobials in sepsis" at 6 th	23-25 th August 2024	PGIMER Chandigarh



		National Conference and Workshop on Antimicrobial Stewardship Practices in India (ASPICON) 2024		
13	Dr. Rachna Rohilla	Oral Presentation on “Antimicrobial on-call consultation service in a tertiary care hospital: A prospective study” at 6 th National Conference and Workshop on Antimicrobial Stewardship Practices in India (ASPICON) 2024	23-25 th August 2024	PGIMER Chandigarh
14	Dr. Rachna Rohilla	Organizing Secretary and Speaker in workshop on “Antimicrobial Sensitivity Testing and Anaphylaxis Management”	10 th September 2024	Department of Pharmacology, AIIMS Bathinda
15	Dr. Gagandeep Kwatra	Presentation on Need and importance of Antimicrobial Sensitivity Testing as part of the workshop on Antimicrobial Sensitivity Testing	10 September 2024.	Department of Pharmacology, AIIMS Bathinda
16	Dr. Gagandeep Kwatra	Webinar: Promoting patient safety through ADR Reporting	21 September 2024.	Surendra Dental College & Research Institute, Sri Ganganagar
17	Dr. Gagandeep Kwatra	Exploring the relationship between Antimicrobial Resistance and Climate Change	26 September 2024	MAPICON
18	Dr. Rachna Rohilla	Speaker and faculty in Pre-conference workshop on “Application of clinical pharmacokinetics in Antimicrobial Stewardship programme” at 3 rd National Conference of Association of Clinical Pharmacologists (ACPCon) 2024.	26 th September 2024	ACTREC, Navi Mumbai and KEM Mumbai
19	Dr. Rachna Rohilla	Oral Presentation on “Population Pharmacokinetic and Pharmacodynamic model of Propofol in patients with Renal Impairment” at 3 rd National Conference of Association of Clinical Pharmacologists (ACPCon) 2024.	26 th September 2024	ACTREC, Navi Mumbai and KEM Mumbai
20	Dr. Vikas Kumar	A cross-sectional study on the impact of cyp2c8 and cyp3a4 activity on pharmacokinetic	September 2024	3 rd National Conference of Association of



		variability of paclitaxel in chemotherapy naïve cancer patients		Clinical Pharmacologists (ACPCon) 2024.
21	Dr. Mintu Pal	Research Methodology Workshop on Thesis Writing	November 2024	Organizer and speaker
22	Dr. Rachna Rohilla	Organized “World Antimicrobial Awareness Week” as Organizing Secretary along with CME on 18 th November 2024	18 th to 24 th November 2024	Department of Pharmacology, AIIMS Bathinda
23	Dr. Gagandeep Kwatra	Improving Antimicrobial Resistance through Antimicrobial Stewardship: Speaker and Organizing chairperson	18 th to 24 th November 2024	Department of Pharmacology, AIIMS Bathinda
24	Dr. Gagandeep Kwatra	Conducted a session on Assessment of professionalism	Fellowship on Assessment in Health Professions - December 2024	Adesh University, Bathinda.
25	Dr. Rachna Rohilla	Speaker and Faculty in workshop “Patient Safety: Ensuring Excellence, Preventing Harm”	17 th to 23 rd December 2024	Institute of Nursing Education and Research, AIIMS Bathinda
26	Dr. Gagandeep Kwatra	Speaker and Faculty in workshop “Patient Safety: Ensuring Excellence, Preventing Harm”	17 th to 23 rd December 2024	Institute of Nursing Education and Research, AIIMS Bathinda
27	Dr. Gagandeep Kwatra	Webinar on Medication Errors	18 th December 2024	National Capacity Building Program on Patient Safety in India
28	Dr. Vikas Kumar and Dr. Gagandeep Kwatra	Shakti Samarth: A Smart Device Application for Harmonising Menstrual Wellness with Yoga, Meditation and Nutrition	November 2024	CONNAISSANCE 2024 JIPMER, Pondicherry
29	Dr. Mintu Pal	Exploring the molecular insights of PPAR β / δ Deletion and ANGPTL4 in Dermal Fibrosis and Wound Repair.	Pharmaceutical Innovations Translating to Reality 2025, scheduled for January 17-18, 2025	BITS Pilani, Pilani Campus
30	Dr. Mintu Pal	Invitation to Chair a Scientific Session	East Zone ACBI Conference (EZACBICON 2025), held from February 28 to March 1, 2025	AIIMS Kalyani, in association with the College of Medicine & JNM Hospital, Kalyani
31	Dr. Rachna Rohilla	Speaker in 6 th webinar on “Recent updates in drug therapy for tuberculosis”	7 th March 2025	Society of Antimicrobial Stewardship Practices in India (SASPI)
32	Dr. Rachna Rohilla	Speaker in “Systematic Review and Meta-analysis for	30 th March 2025	Department of Anaesthesia,



		Beginners Workshop” in 33 rd Annual National and 4 th International Conference of Research Society of Anaesthesiology Clinical Pharmacology.		AIIMS Bathinda
33	Dr. Vikas Kumar	Artificial Intelligence Chatbots in Pediatric Emergencies: A Reliable Lifeline or a Risk?	INSIGHT	INSIGHT AIIMS, New Delhi
	Dr Abhinav Kanwal	Systematic Review and Meta-analysis Writing	March, 2025	Participant
1.	Dr Abhinav Kanwal	Research, writing and Publication: How to begin to How to finish	March, 2025	Participant
2.	Dr Abhinav Kanwal	Management of multidrug resistance infection (MDR)	March, 2025	Participant
3.	Dr Abhinav Kanwal	IPC- IPSCON-2024 54 th annual conference of Indian Pharmacological Society 2024	Nov, 2024	delegate
4.	Dr Abhinav Kanwal	IPC- IPSCON-2024 54 th annual conference of Indian Pharmacological Society 2024	Nov, 2024	Judge
5.	Dr Abhinav Kanwal	IPC- IPSCON-2024 54 th annual conference of Indian Pharmacological Society 2024	Nov, 2024	Chairperson
	Dr Abhinav Kanwal	World AMR awareness week (WAAW) -2024	Nov, 2024	Moderator
6.	Dr Abhinav Kanwal	Antimicrobial Sensitivity Testing and Anaphylaxis Management workshop	Oct, 2024	Organizer
7.	Dr Abhinav Kanwal	Artificial Intelligence in drug discovery-boon or Bane	Sept, 2024	Participant
8.	Dr Abhinav Kanwal	4th National Pharmacovigilance week	Sept, 2024	Organizer
9.	Dr Abhinav Kanwal	Clinical Research emerging Trends	Sept, 2024	Participant
10.	Dr Abhinav Kanwal	ENDNOTE-21 workshop	Sept, 2024	Participant

V. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/Extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Rachna Rohilla	Impact of multipronged interventions targeting healthcare professionals in reducing surgical site	ICMR, New Delhi Extramural (PI: Dr. Rachna Rohilla)	Ongoing	1.5 crores



		infections and identifying the challenges in adoption of these interventions- An implementation research			
2	Dr. Rachna Rohilla (Site PI)	A multicentric point prevalence survey of antimicrobial prescription, AMR, and HAI in tertiary care hospitals of India	SASPI Extramural (PI: Dr. Nusrat Shafiq, PGIMER Chandigarh)	Completed	--
3	Dr. Abhinav	Targeting endoplasmic reticulum-mitochondrial interplay for possible anticancer therapeutic outcome in breast cancer	ICMR-on-going		
4	Dr Abhinav	Exploring the role of mitochondria-targeted antioxidants against chemotherapy- induced side effects in rat heart	ICMR-New Delhi	Principal Investigator (On-going)	
5	Dr. Mintu Pal	Exploring the Potential of Urinary Cell-free RNA for Non-invasive Detection of Post-surgery Residual Bladder Cancer - A Prospective Longitudinal Study.	STS project approved by ICMR, New Delhi, 2024. Guide: Dr. Mintu Pal, Student Name-Mr. Deepanshu Rankawat (MBBS 2021 Batch).	On-going	50,000
6	Dr Vikas Kumar	Health Economics and Outcomes Analysis on Antihypertensive Monotherapy in Newly Diagnosed Hypertensive Patients- A Prospective Observational Study	STS project approved by ICMR, New Delhi, 2024. Guide: Dr. Vikas Kumar; Co-guide: Dr.Gagandeep Kwatra Student: Prabhnoor, MBBS batch of 2022	On-going	50,000
7	Dr. Gagandeep Kwatra	Understanding Body Composition Changes and Diet Quality During Radiotherapy for Cancer Patients: A Prospective Observational Study	STS project approved by ICMR, New Delhi, 2024. Guide: Dr. Gagandeep Kwatra Co-guide: Dr. Vikas Kumar Student: Seerat Kumar	On-going	50,000
8	Dr Abhinav, Dr. Vikas and Dr. Gagandeep	A Prospective Observational Study of Paclitaxel induced Peripheral Neuropathy in Patients on Cancer Chemotherapy.	AIIMS, Bathinda	On-going	
9	Dr. Vikas, Dr. Gagandeep	Safety and Tolerability of Amphotericin B formulations: An observational study	AIIMS Bathinda	On-going	
Projects submitted					



1	Dr. Rachna Rohilla (PI)	Diagnostic Utility of Delta-like 1 Ligand Detection in Tuberculous Meningitis: A prospective observational study	ICMR-New Delhi EXTRAMURAL (PI: Dr. Rachna Rohilla)	Submitted	--
2	Dr. Rachna Rohilla (CO-PI)	Psycho-social determinants of Injectable drug use and development of Peer-led Intervention Model on Harm Reduction and Health Promotion in People Who Inject Drug (PWID) in State of Punjab: A Mixed Method Study	ICMR-New Delhi EXTRAMURAL (PI: Dr. M. P Singh)	Submitted	--
3	Dr. Rachna Rohilla (CO-PI)	Heavy metals induced Type I Diabetes via modification of gut microbiome composition: ex-vivo and in vivo investigation	ICMR-New Delhi (PI: Dr. Arvinder Wander)	Submitted	--
5	Dr. Rachna Rohilla (CO-PI)	Unravelling Gut-brain-associated metabolites by exploring Metabolomics, Metagenomics and Epigenomics in autism spectrum disorder (ASD) patients: A Preclinical study in transgenic Zebrafish model towards ASD therapeutics	ICMR-New Delhi (PI: Dr. Arvinder Wander)	Submitted	--
4	Dr Abhinav	Translational insights linking preclinical mitochondrial alterations to clinical assessment in cancer cachexia	ICMR-New Delhi	Principal Investigator (Submitted)	
5	Dr. Mintu Pal	Development of Heart Failure Model to Screen Drugs using Human iPSC-derived Cardiomyocytes		DBT-under review	
6	Dr. Mintu Pal	Tailoring Docetaxel Therapy for Geriatric Advanced Prostate Cancer Patients: A Clinical Decision Support System		ICMR-under review	
7	Dr Vikas Kumar	Recurrence pattern across breast cancer subtypes and comparative assessment of quality of life in these patients from Malwa	Extramural STS project (ICMR): MBBS Student: Nonam	Submitted-under review	



		region – A real-world observational study			
8	Dr Vikas Kumar (PI) Dr. Gagandeep Co-I	Role of therapeutic drug monitoring and intervention in abdominal tuberculosis treatment Outcomes- A multi-center randomized controlled open-label trial	Submitted: Extramural (ICMR): (Under Review)		

VI. Papers and Books/chapters published by the department:

S.NO	Faculty Name	Title of Paper
1	Dr. Rachna Rohilla	Bhandari, R. K., Rohilla, R., Shafiq, N et al. Clinical pharmacokinetics of antimicrobials in critical care: a narrative review. Expert Review of Anti-Infective Therapy. 2024; 1–14
2	Dr. Rachna Rohilla	Rohilla R, Mahendru D. Prolonged b-lactam infusion in sepsis management: An update. JASPI. 2024;2(3): 6-9.
3	Dr. Rachna Rohilla	Rohilla R, Kaur H, Tiwari P. Comparison of efficacy and safety of USG-guided versus blind pulley release for trigger finger: A systematic review and meta-analysis. Journal of Clinical Orthopaedics and Trauma. 2024, 58: 102795
4	Dr. Rachna Rohilla	Singh H, Panda PK, Patro S, et al. Integrated Antimicrobial Stewardship in India: Consensus on Best Practices, Current Baseline, and Identified Barriers. JASPI. 2024;2(4): 32-45.
5	Dr. Rachna Rohilla	Rohilla R, Gupta M, Anish TS, Cherian JJ, Singh MP, Kakkar AK, et al. (2025) Multipronged interventions to reduce surgical site infections: A multicenter implementation research protocol. PLoS ONE 2025;20(3): e0319645.
6	Dr. Rachna Rohilla	Bhattacharjee S, Mothsara C, Shafiq N, Panda PK, Rohilla R et al. Antimicrobial prescription patterns in tertiary care centres in India: a multicentric point prevalence survey. eClinicalMedicine 2025;82: 103175.
7	Dr. Rachna Rohilla	Rohilla R, Shafiq N, Mothsara C, Malhotra S. Pharmacology of commonly used antibiotics. In: Dutta S, editor. Neonatal Sepsis A comprehensive guide to prevention, diagnosis and management, 1 st edition. Noble Vision, Delhi: 2025.253-290.

S.NO	Author	Title	Authors	Journal/Publisher	Volume (Issue), Pages	Year
1.	Dr Abhina v Kanwal	Biochanin-A as SIRT-1 modulator in preventing statin-associated diabetogenesis: An in vitro study Research Article	Co-author	Biomedical Reports	22 (5), 1-20	2025
2.	Dr Abhina	Effect of knee strengthening exercises and	Corresponding Author	American Journal of Physical Medicine & Rehabilitation	DOI: 10.1097	2024



	v Kanwal	lifestyle modifications through mobile phone support in people suffering from knee osteoarthritis Research Article				
3.	Dr Abhinav v Kanwal	Exploring prospects, hurdles, and road ahead for generative artificial intelligence in orthopedic education and training Book chapter	Corresponding Author	BMC Medical Education	24 (1), 1544	2024
4.	Dr Abhinav v Kanwal	Nutraceuticals Unveiled a Multifaceted Neuroprotective Mechanisms for Parkinson's Disease: Elixir for the Brain Book chapter	Co-author	Food Reviews International	40 (9), 3079-3102	2024
5.	Dr Abhinav v Kanwal	Serum Sirt6 as a Potential Biomarker for Osteoarthritis and its Correlation with IL-6 Alterations Research Article	Corresponding Author	Indian Journal of Orthopaedics	58 (9), 1254-1260	2024
6.	Dr Abhinav v Kanwal	The role of gut microbiota and associated compounds in cardiovascular health and its therapeutic implications Book chapter	Corresponding Author	Cardiovascular & Hematological Agents in Medicinal Chemistry	22 (3), ...	2024
7.	Dr Abhinav v Kanwal	Current Status of Clinical Research on Formulations Containing Ashtawarga Group of Plants Book chapter	Corresponding Author	Medicinal Applications of Phytopharmaceuticals	79-89	2024



8.	Dr Abhinav Kanwal	SIRT6 in regulation of mitochondrial damage and associated cardiac dysfunctions: a possible therapeutic target for CVDs Book chapter	Corresponding Author	Cardiovascular Toxicology	24 (6), 598-621	2024
9.	Dr Abhinav Kanwal	The interplay of rheumatoid arthritis and osteoporosis: exploring the pathogenesis and pharmacological approaches Book chapter	Corresponding Author	Clinical Rheumatology	43 (5), 1421-1433	2024
10.	Dr Abhinav Kanwal	Modulatory Mechanism of NLRP3 Inflammasome in Heart Diseases: "An Enigma Wrapped in a Riddle"	Corresponding Author	The NLRP3 Inflammasome: An Attentive Arbiter of Inflammatory Response	38-56	2024

Book Chapter

	Dr. Vikas Kumar	A novel ultra-performance liquid chromatography detection method development and validation for paclitaxel and its major metabolite in human plasma.
	Dr. Vikas Kumar	Comparison of risk factors of mortality during the two coronavirus disease 2019 waves in Delhi, India
	Dr. Vikas Kumar	A Validated Chiral Chromatography Method for Enantiomeric Separation of Pomalidomide in Human Plasma.
	Dr Vikas Kumar	Navigating the Antiretroviral Therapy Switch Conundrum: Unveiling the Dilemma of Drug Resistance and Disease Progression in HIV/AIDS.
	Dr Vikas Kumar	Computational Analysis of Lenalidomide and Pomalidomide Enantiomers' Binding Interactions with Prostaglandin (PG)-Protein: Implications for Inflammatory Activity in Cancer.
	Dr Vikas Kumar	Unsettling trend: The alarming rise of human abuse of veterinary drugs and its consequences.
	Dr Vikas Kumar	Computational Analysis of Lenalidomide and Pomalidomide Enantiomers' Binding Interactions with Prostaglandin (PG)-Protein: Implications for Inflammatory Activity in Cancer.
	Dr Vikas Kumar	Unsettling trend: The alarming rise of human abuse of veterinary drugs and its consequences



Dr Vikas Kumar	Association of thrombocytopenia and liver enzymes in canine monocytic ehrlichiosis: a meta-analysis.
Dr Vikas Kumar	Effect of yoga in premature ejaculation: A systemic review and meta-analysis.
Dr Vikas Kumar	Simultaneous separation and quantification of pomalidomide chiral impurity using reversed phase-ultra-high-performance liquid chromatography method.
Dr. Mintu Pal	Mintu Pal *, Rajesh Kumar Mukherjee, Dilip Kumar Roy, Suresh Kumar Goyal. Nanotechnology-based drug repurposing for the treatment of Tuberculosis. Book chapter in Springer Nature book "Therapeutics of Mycobacterium (* Corresponding author)
Dr. Gagandeep Kwatra	Atwal, Preet Kanwal; Kwatra, Gagandeep; Jain, Ritu; Dua, Kapil Krishan; Khanna, Shivani; Gupta, Vivek Vardhan. To Develop and Implement a Preclinical Operative Dentistry Module to Enhance Class-II Cavity Preparation Training. International Journal of Applied and Basic Medical Research <u>14(4): p 273-277, Oct–Dec 2024. DOI: 10.4103/ijabmr.ijabmr_257_24</u>
Dr. Gagandeep Kwatra	Garg, R., Sethi, S., Agarwal, R., Singh, S., Kwatra, G. Evaluation of Near Peer Assisted Approach for facilitating Early Clinical Exposure in Pre-clinical Year Medical Students: A Mixed Method Analysis South-East Asian Journal of Medical Education 2024;.18(2): 111-128. DOI: https://doi.org/10.4038/seajme.v18i2.595

Patent details				
S.No.		Title	Number	Date
1.	Dr.Abhinav Kanwal	Transportable NMR Spectroscopy for Characterizing Natural Extracts	6410113	10/12/2024
2.	Dr.Abhinav Kanwal	Exploring The Applications and Evaluation of Antioxidant and Anti-Inflammatory Properties Of Curcumin.	48/2024	29/11/2024
3.	Dr Abhinav Kanwal	Oral brush Biopsy device for detection of oral cancer	437520-001	16/11/2024
4.	Dr. Mintu Pal	Mintu Pal, Suresh Kumar Goyal, Amar Kumar Mishra, Srikumar Padamalayam Sadanandan, Atul Kabra, Mahalaxmi Muskan, Gagandeep Singh, Maninder Kaur, Darekar Avinash Bhaskar, Varun Kumar. Indian Design Patent titled “AI Enabled Device for Prediction of Alzheimer’s Disease” (Design Registration No. 438899-001, Dated 29/11/2024), granted by the Office of the Controller General of Patents, Designs and Trade Marks, Government of India, on	438899-001	16/01/2025.

Detail of Book published with indexing database*

Dr Vikas Kumar	Sharma A, Kumar V. Fundamentals of maxillofacial prosthesis and implantology. Beau Bassin, UK: International Book Market Service; 2024.
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VII. Key Highlights and Departmental Activities:



The department organized the Pharmacovigilance week in September 2024 in which awareness sessions were conducted by the faculty and residents for healthcare professionals, patients and the community in various areas of the hospital and in nearby colleges. This programme was led by Dr. Abhinav Kanwal, ADR Monitoring Centre coordinator and Dr. Vikas Kumar, Co-coordinator. The program commenced on 17th September with a guest lecture on "Medical Device: Global & Indian Regulation for Preclinical, Clinical & Ethical Evaluation with Future Directions," followed by an ADR awareness session in the Ophthalmology department and a Poster Walk in OPD, IPD reception, and near Amrit Pharmacy.

A workshop on Antimicrobial Sensitivity Testing was organized by the department on 10 September 2024. The programme consisted of interactive lectures and a hands-on workshop on performing and interpretation of the results of antimicrobial sensitivity test with Dr. Rachna as the Organizing Secretary and Dr. Gagandeep as the Organizing Chairperson.

The department , along with the Antimicrobial Stewardship Committee, celebrated World Antimicrobial Resistance Awareness week from 18-14 November 2024 and conducted a CME as part of the programme.

VIII. Thesis Supervised (MD/MS): *

S.NO	Faculty	Thesis Topic
1	Dr. Gagandeep Kwatra (Guide) Dr.Rachna Rohilla(co-guide)	Efficacy and safety of Imeglimin versus Sitagliptin as add-on therapy in type 2 Diabetes Mellitus patients not achieving glycaemic control on metformin: An open label, single centre randomized controlled trial
2	Dr.Rachna Rohilla	Evaluation of financial burden in families of children with drug resistant epilepsy: A prospective Observational Study (MD Paediatrics student Thesis co-guide)
3.	Dr.Gagandeep Kwatra	Patterns of local soft tissue and vascular complications intravenous drug users: A prospective observational study (MS General Surgery Thesis co-guide)
3	Dr.Rachna Rohilla	Effectiveness of reverse kangaroo mother care (rKMC) in reducing pain in neonates during retinopathy of prematurity (ROP) screening – An open label randomized controlled trial (MD Neonatology study Thesis co-guide)
4	Dr.Rachna Rohilla	Assessing the outcome of fascial closure techniques on wound complications in emergency laparotomy: A multi-arm randomized controlled trial (MS General Surgery Thesis co-guide)
5	Dr. Gagandeep (guide)Dr.Vikas Kumar (co-guide)	Effect of Desidustat on Bone Mineral Density and Safety in Chronic Kidney Disease Patients - Single Arm, Observational Study
6	Dr. Mintu Pal (Guide) Dr. Vikas Kumar (Co-guide)	A randomized blinded parallel group study to evaluate the safety and efficacy of relugolix in advanced prostate cancer

IX. Other Notable Achievements (in numbers): *

- Dr. Rachna, Member Secretary, and Dr. Gagandeep Kwatra, Alternate Member Secretary, of Antimicrobial Stewardship Committee, AIIMS Bathinda
- Dr. Gagandeep Kwatra, Member Secretary, and Dr. Abhinav Kanwal and Dr. Vikas Kumar serve as members of the Drugs and Therapeutics Committee.
- Dr. Rachna: Assistant Director, Training Committee SASPI and Foundation Member of SASPI
- Dr. Rachna: Course coordinator of online Antimicrobial Stewardship Program (ASP) course under SASPI



- Dr. Rachna: Section Editorial Member “Antimicrobial Stewardship” for Journal of Antimicrobial Stewardship Practices and Infectious Diseases (JASPI)
- Dr. Rachna: Course Director and Faculty of “Critical Appraisal of Published Literature and Research Methodology for Clinicians” by Royal College of Physicians and Surgeons of Glasgow, UK

Dr Vikas Kumar

- 1) Resource Faculty: HPLC Training Program at AIIMS Rishikesh and Clinical Trial Design at IGIMS Patna.
- 2) Awarded certificate of inventorship for patent no. 561148

Dr. Abhinav Kanwal

Elected as council member for International Academy of Cardiovascular Sciences (Indian Section) for the year 2025-2028



Pharmacology/01 WAAW WEEK CME



Pharmacology/02 WAAW WEEK CME



Pharmacology/03 AST WORKSHOP



Pharmacology/04 AST WORKSHOP





Pharmacology/05/ Pharmacovigilance Week



Pharmacology/07/ Pharmacovigilance Week

Pharmacology/06/ Pharmacovigilance Week



Pharmacology/08/ Pharmacovigilance Week



DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION (PMR)

Name of the Department	Physical medicine and rehabilitation (pmr)
Head of the Department	Prof (Dr) Akhilesh Pathak (HOD, Forensic Medicine and Toxicology AND Dean Academics)

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Chandrakant Pilania	Assistant professor	Nov 10 th , 2023

II. Brief Introduction of the department:

Rehabilitation is the process of helping a person to achieve the highest level of function, independence, and quality of life possible. Rehab does not reverse or undo the damage caused by disease or injury, but rather helps restore the person to optimal health, functioning, and well-being. Rehabilitate means to make able.

Physical Medicine and Rehabilitation (PMR) is a medical specialty that involves restoring function for a person who has been disabled as a result of a disease, disorder, or injury.

The Department of PMR started in AIIMS Bathinda on Nov 10th, 2023. The PMR OPD services started on Nov 17th 2023. At present the PMR Department provides OPD and IPD based integrated, multidisciplinary care to patients with neurological (Pediatric and Adult) and musculoskeletal diseases with aim of recovery of the whole person by addressing the individual's physical, emotional, medical, vocational, and social needs. The Department also started day care Ultrasound guided procedures for musculoskeletal pain disorders.

Vision: Centre *par excellence*, in improving quality of life of peoples suffering from neurological and musculoskeletal disorders, in teaching and in research.

Mission:

- To provide Best and up-to-date knowledge-based Rehabilitation services.
- Promoting Aesthetic, Rehabilitation research.
- To Provide Quality Training in Rehabilitation to students.

III. Patient care Data:

Sl No	Category	Number
1.	Patients seen in OPD	3,281
2.	Patients admitted in IPD	19
3.	Teleconsultations	00
4.	Procedures performed A. Major B. Minor	00 12
5.	Any other special clinic/activity- Physiotherapy and Neurodevelopmental Training offered to OPD & IPDpatients	16,690

IV Papers and Books/chapters published by the department:

Detail of Paper published with indexing database*- 01

Detail of Book published with indexing database*- 00



Paper published-

Pilania C, Agrawal H, Pisudde PM, Sonik B, Gaur R. Factors determining the efficacy of guided intervention-based management of shoulder adhesive capsulitis secondary to breast cancer treatment: A prospective study. *Indian J Phy Med Rehab* 2025;35: 100-5.

Book Chapter-

Mir MA, **Pilania C**, Singh T, Kaushik R, Kumar D, Aggarwal L, Kaur (PT) J. Rehabilitation Protocol for Brachial Plexus Injury. *Medical Science: Trends and Innovations 2025, Vol. 13*, 54–65.

The department needs to provide the following numbers **individual faculty wise**:

- 9) Research papers- 1
- 10) Book chapter- 1
- 11) i10 index*- 00
- 12) H index* 01

VIII. Key Highlights and Departmental Activities:

IX. Thesis Supervised (MD/MS): *

Number: 01 (Dental Student)

X. Other Notable Achievements (in numbers): *

Started 24x7 hrs physiotherapy service for IPD patients.

Started ultrasound guided musculoskeletal pain procedures (Day care procedures).



DEPARTMENT OF PHYSIOLOGY

Name of the Department	PHYSIOLOGY
Head of the Department	Dr Sonia Kochhar

I. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr Sonia Kochhar	Additional Professor	13 th August, 2019
2.	Dr Meena Mirdha	Associate Professor	17 th August, 2019
3.	Dr Dipti Magan	Associate Professor	14 th August, 2019
4.	Dr Sudhashekhar Kumar	Assistant Professor	21 st August, 2023
5.	Dr Rajathi.R	Assistant Professor	9 th April 2024
6.	Dr. Anupinder Thind	Assistant Professor	14 th June 2024

II. Brief Introduction of the department:

Vision: Leadership in Education & Research to provide best of knowledge & skills

Mission: To establish a centre of excellence in medical education & research with an extended hand towards patient care.

Services provided:

- a. **Simulation Skill lab:** Already inculcated in teaching curriculum to enhance skill-based learning for undergraduates, nursing and respiratory therapist students
- b. **Research:** To motivate students for research projects

Expansion planned for the future:

- a. **Clinical Services:** Clinical Physiology laboratory services to be extended to the Hospital side for diagnostic NCV, EEG, EMG & Autonomic function laboratory tests
- b. **Academics and teaching:** To provide integrative & skill-based learning
- c. **Research:** To promote neurophysiology research activity and various other intramural & extramural projects. Also, to develop Sleep analysis lab, exercise physiology & yoga health clinics to use innovative skills in research.

III. Patient care:

For diagnostic departments:

SI No	Category	Number
1.	Name of test	
	NCV	477
	VEP	127
	EEG	11
	Radiology Project	20
	EMG by Dentist	04

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by



International conferences				
1.	Dr Meena Mirdha	Effects of oral appliance therapy and alternative treatment on the physiological and clinical parameters in patients with obstructive sleep apnea	11 th Asian Sleep Research Society Congress and 8 th Asian Forum on Chronobiology held on 8-9 February 2025 at New Delhi(Invited speaker in Symposium)	Indian Society of Sleep Research
2.	Dr Meena Mirdha	Sleep Insight	2 nd International Conference of ISSEM held on 15 th & 16 th November 2024 at BHU, Varanasi (Invited speaker in Symposium)	Indian Society of Sports and Exercise Medicine
3.	Dr Meena Mirdha	BERA and Polysomnography	Workshop at ISSEMCON held on 12 th November 2024 at IMS-BHU, Varanasi	Indian Society of Sports and Exercise Medicine
National conferences				
1.	Dr. Sonia Kochhar	“Overview of Sleep Physiology”	Invited speaker in Sleep Medicine CME & Workshop March, 2024	AIIMS Bathinda
2.	Dr. Sonia Kochhar	“Yoga for Women”	Invited speaker in International Yoga Day 21 st June, 2024	AIIMS Bathinda
3.	Dr. Sonia Kochhar	“Designing Scenario-based MCQs & Training in Item Analysis”	As Resource Faculty & Organizing Chairperson in Faculty Development Workshop (2 nd August 2024)	AIIMS Bathinda
4.	Dr. Sonia Kochhar	As Resource Faculty “Designing Scenario-based MCQs & Training in Item Analysis”	As Resource Faculty & Organizing Chairperson in Faculty Development Workshop (30 th August 2024)	AIIMS Bathinda
5.	Dr. Sonia Kochhar	“Understanding Autonomic Functions Tests: A Comprehensive Introduction”	Invited Speaker & Organizing Chairperson in National CME on Frontiers in Clinical Physiology	AIIMS Bathinda
6.	Dr. Sonia Kochhar	As Resource Faculty	Resource Faculty in Research Methodology Workshop on Thesis Writing	AIIMS Bathinda
7.	Dr. Sonia Kochhar	Scenario-based MCQs & Item Analysis	Invited speaker for the Workshop APPICON- December 2024	ESIC, Medical College & Hospital, K.K. Nagar, Chennai



8.	Dr. Sonia Kochhar	“AASM Sleep Staging”	Invited speaker in symposium "Sleep Science Insights in PSG" 10th FIPS-ASSOPICON October, 2024	AIIMS Patna.
9.	Dr. Sonia Kochhar	Art of Designing Effective Scenario-Based Questions	Resource Person in Faculty Development Workshop on “Art of Designing Effective Scenario-Based Questions and Item Analysis” at Annual Conference of PSI-RAJ, February 2025	Dr. S.S. Tantia Medical College Hospital & Research Centre, Sri Ganganagar.
10.	Dr. Sonia Kochhar	Overview of Sleep Physiology	Invited Speaker at Annual Conference of PSI-RAJ, February 2025	Dr. S.S. Tantia Medical College Hospital & Research Centre, Sri Ganganagar.
11.	Dr. Sonia Kochhar	Late Response and Challenges in NCV	Invited Speaker at CME Cum Workshop on “Electroneuromyography” on 21st March 2025.	AIMS, Mohali,
12.	Dr. Sonia Kochhar	Exercise is Medicine	Invited Speaker at the National Conference “Lifestyle and Health” in March 2025.	AIMSR, Bathinda
4	Dr. Dipti Magan	Yoga-based Interventions, Neuromodulation and Artificial Intelligence	Invited speaker in Symposium, 10th FIPS-ASSOPICON October, 2024SSSS	Symposium for APPICON-2024 conference at Department of Physiology, AIIMS-Patna
5.	Dr. Dipti Magan	Exploring Integrative Power of Yoga: Diverse Paths, Yogic assessments, Cleansing techniques & its Psychoneuroimmunology	Invited speaker for the symposium APPICON- December 2024	APPICON-2024 conference at Department of Physiology, ESIC -Medical College Chennai
6.	Dr. Rajathi R	Participated as Resource Faculty for the yoga symposium at APPICON conference, ESIC Medical College, Chennai – December 2024	Invited speaker for the symposium APPICON- December 2024	APPICON-2024 conference at Department of Physiology, ESIC -Medical College Chennai
7.	Dr. Rajathi R	Participated in workshop as Resource Faculty in Meditation Workshop in the Annual Physiology Conference of U.P. Chapter of Association of Physiologists of India, organised by Department	Invited speaker for the Meditation workshop Conference of U.P. Chapter of Association of Physiologists of India	Department of Physiology, S.N. Medical College, Agra.



		of Physiology, S.N. Medical College, Agra.		
8.	Dr. Anupinder Thind	Resource faculty in workshop on "Art of Designing Effective Scenario based MCQs and Item Analysis	PHYSICON RAJ 2025 on "Art of Designing Effective Scenario based MCQs and Item Analysis on 6th Feb. 2025.	Tantia Medical College, Sri Ganganagar, Rajasthan
10	Dr Anupinder Thind	NCHPE – 2024 Lucknow	Invited resource faculty for workshop on Art of designing scenarios for effective assessment.	Era University, Lucknow
11.	Dr Anupinder Thind	APPICON 2024 ESI CHENNAI	Resource faculty in workshop on "Art of Designing Effective Scenario-based MCQs and Item Analysis at APPICON-2024	ESIC -Medical College Chennai

V. Faculty achievements –awards, honours etc

Sr No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Rajathi. R Assistant Professor	Third prize in oral paper presentation titled, Faculty Insights on the Effectiveness of Mentorship Programs in a Medical College: A Self-Reported Questionnaire-Based Study in National CME on Frontiers in Clinical Physiology held in AIIMS Bathinda on 20th September 2024 – National conference	National CME on Frontiers in Clinical Physiology held in AIIMS Bathinda on 20th September 2024 – National conference	Department of Physiology, AIIMS Bathinda

VI. Research activities undertaken in the department:

Sr No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc	Status (ongoing/ completed)	Budget
Projects sanctioned					
1.	Dr Sonia Kochhar (PI) (approved by AIIMS Bathinda IEC on 29/11/2024)	“To study the effectiveness of simulation-based education of clinical psychomotor skills of cardiovascular and respiratory auscultation in medical undergraduate: A prospective interventional study.	Non-funded	Ongoing	NA



2.	Dr Sonia Kochhar (Co-PI)	Proposal to develop Minimal Access Surgery Training Centre (wet lab) at AIIMS Bathinda & a randomized controlled trial to evaluate the effect of structured training in wet lab with surface EMG to improve the ergonomics stress in laproscopic procedures in surgical residents in collaboration with the Dept. of surgery.	Non-funded	Ongoing	NA
3.	Dr Sonia Kochhar (Co-Guide) (approved by AIIMS Bathinda IEC on 29/11/2024)	MCh thesis- Burns & Plastic Surgery "Single vs double nerve transfer in brachial plexus injury"	Non-funded	Ongoing	NA
4.	Dr Sonia Kochhar (Co-Guide) (approved by AIIMS Bathinda IEC on 20/05/2024)	MD Radiodiagnosis: Thesis- "Evaluating the diagnostic accuracy of high-resolution ultrasonography compared to nerve conduction studies for detecting peripheral neuropathy in adult prediabetic patients: A cross-sectional study"	Non-funded	Ongoing	NA
5.	Dr Sonia Kochhar (Co-Guide) (approved by AIIMS Bathinda IEC on 19/04/2025)	MDS Thesis: "The evaluation of the effect of electrical stimulation on masticatory muscles in myofunctional appliance therapy: A Randomized Controlled Trial."	Non-funded	6.	NA
6.	Dr.Sonia Kochhar (Co-Guide)	MDS Thesis: "Evaluation of silicone soft reliner on the obturator prosthesis for different palatal defects after maxillectomy (special focus on mucormycosis): a prospective interventional study."	Non-funded	Completed	NA
7.	Dr.Sonia Kochhar (Guide)	STS project "Association of chronotype pattern on the quality of sleep and anxiety among medical undergraduates- a cross-sectional study"	ICMR short-term studentship (STS) protocol approved	Completed & published in Int J Adolesc Med Health 2025.	NA
8.	Dr.Sonia Kochhar (Co-Guide)	STS project "To study the association of non-alcoholic fatty liver disease with neuropathy in pre-diabetic	ICMR short-term studentship (STS)	Completed	NA



		patients.” Submitted for publication.	protocol approved		
9.	Dr Sonia Kochhar (Guide)	STS project “Sleep hygiene practices and its association with sleep quality in young adults: a cross-sectional study”	ICMR short-term studentship (STS) protocol approved	Ongoing	NA
10.	Dr.Meena Mirdha	Martin-Gruber Anastomosis Prevalence in Healthy Subject: An Electrophysiological Study	Non-funded	Completed	NA
11.	Dr Meena Mirdha (guide) Anshika Garg (student)	Association of sleep quality with asthma control and asthma quality of life”	ICMR short-term studentship (STS) protocol approved	Completed	NA
Projects submitted					
1.	Dr Sonia Kochhar (PI)	“Comparison of Pain pressure threshold and pain tolerance in yoga practitioners and age-matched sedentary controls: A Cross-sectional study”	Intramural AIIMS Bathinda	IEC Approval awaited (approved RAC on 28/04/2025)	Rs 30,000/-
2.	Dr Meena Mirdha	Effects of yoga and meditation on motor function , objective and subjective sleep in Parkinson’s disease: A pilot randomized controlled trial	Intramural	submitted	
3.	Dr. Rajathi. R	A Comparative Study of Dynamic, Static, and PNF Stretching Techniques on Hamstring Flexibility in Sedentary Adults – A Randomized Controlled Trial (approved by AIIMS Bathinda IEC on 20/11/2024)	Non-funded	Ongoing	
4..	Dr. Rajathi. R	Association between balance performing and hamstring flexibility in middle-aged and elderly adults – A cross-sectional study (approved by AIIMS Bathinda IEC on 20/11/2024)	Non-funded	Ongoing	
6.	Dr. Rajathi. R (Guide) Mr. Harmandeep Singh (student)	Impact of overnight duty on cognitive flexibility among health care professionals: A cross-sectional study	ICMR short-term studentship (STS)	Submitted	



			protocol approved		
7.	Dr. Anupinder Thind	Effectiveness of Self Learning Packages (SLP) in first year MBBS students in learning of psychomotor skills of haematology and clinical physiology: A prospective, interventional study	Non-funded	ongoing	
8..	Dr. Anupinder Thind	As Co -PI: 1. Effectiveness of simulation based education of clinical psychomotor skill of cardiovascular and respiratory auscultation in medical undergraduates: A prospective Interventional study.	Non-funded	ongoing	
9	Dr. Anupinder Thind (Guide). Mr. Mayank (Student)	Effectiveness of simulation based education of clinical psychomotor skill of cardiovascular and respiratory auscultation in medical undergraduates: A prospective interventional study.	ICMR short-term studentship (STS) protocol approved	Submitted	

VII. Papers and Books/chapters published by the faculty:

Book/ Chapter:

1. Mirdha M, Vishwakarma LC. Sleep and circadian disruption in depression and anxiety disorders: an inflammatory insight. Progress in Inflammation Research, vol 93.1st edition. Switzerland: Springer Cham;2025

Publication (2024-2025)

1. **Kochhar S**, Samagh N, Sharma J, Kaur A, Verma M. Knowledge and Skill Retention in First-Year MBBS Students After Basic Life Support Training: A One-Year Longitudinal Study. BMC Medical Education. 2024 Sep 5;24(1).
2. Khaira H, **Kochhar S**, Aneja J, Verma M, **Rajendran R, Thind A**. Association of chronotype pattern on the quality of sleep and anxiety among medical undergraduates – a cross-sectional study. *International Journal of Adolescent Medicine and Health*. 2025;37(1): 53-58. <https://doi.org/10.1515/ijamh-2024-0189>
3. Das A, Prithviraj M, Patel SK, **Mirdha M**, Rath RS. Offline-to-online shift of medical education: A multi-method study of medical teachers and students from India. *Indian J Physiol Pharmacol* 2025;69: 99-106.
4. **Magan D**, Yadav RK, Aneja J, Pandey S. Association Between BMI and Neurocognitive Functions Among Middle-aged Obese Adults: Preliminary Findings Using Machine-learning (ML)-based Approach. *Ann Neurosci*. 2025;18: 09727531241307462.
5. Sharma VK, Barde PB, Kathrotia R, Sharma G, Chitturi V, Parmar N, Dhruva G, Kavathia G, **Rajendran Rajathi**. (2024) Effects of an 8-week intervention of anulom vilom pranayama combined with heartfulness meditation on psychological stress, autonomic function, inflammatory biomarkers, and oxidative stress in healthcare workers during COVID-19 pandemic: a randomized controlled trial. *J. Basic Clin. Physiol. Pharmacol*. 35(4-5): 305–314. (DST SATYAM funded project)



6. Subramanian SK, Kuldeep GB, **Rajendran Rajathi**, Yuvaraj V. (2025) The role of neck circumference in predicting body fat distribution: A cross-sectional study among healthy female medical students. Indian J. Public Health Res. Dev. 16(2): 304–309.
7. Subramanian SK, **Rajendran Rajathi**. (2025) Proximal median nerve conduction velocity slowing in carpal tunnel syndrome: An observational retrospective study. Ann. Neurosci. 2025 Jan 10: 09727531241306863.

VIII. Other important Highlights with relevant photographs of the department:

Number of Conference Organized* **01**

Number of Workshop Organized* **03**

1. **Dept. of Physiology** WORKSHOP (2 August 2024) Organized Faculty Development Workshop on Designing Scenario based MCQs and Training in Item Analysis.
2. **Dept. of Physiology** WORKSHOP (30th August 2024) Organized Faculty development workshop on designing scenario based MCQs and Training in Item analysis.
3. **Dept. of Physiology** CME: Frontiers in Clinical Physiology on 20th September
4. **Dept. of Physiology** World Sleep Day 2025, 13th March the Department of Physiology at AIIMS Bathinda organized

IX. Number of Thesis Supervised MD/MS*

Dr Sonia Kochhar as Co-Guide (MDS – 01, MD 01, MCh -01)

X. Any other achievements in number*

Sr No.	Faculty	Achievements
1.	Dr Sonia Kochhar	As CVO organized Vigilance Awareness Week at AIIMS Bathinda between 28 Oct 2024 – 3 rd November, 2024
2.	Dr Sonia Kochhar	Successfully completion of the AASM Sleep ISR Scoring Course.
3.	Dr Sonia Kochhar	Certification of Completion of Course in Autonomic Clinic: Knowledge, Skills and Reporting
4.	Dr Sonia Kochhar	As judge in “Reels Competition on Hatha Yoga” conducted by AIIMS, Bathinda, to commemorate the International Day of Yoga- 2024 held at AIIMS Bathinda on 21 st June 2024.
5.	Dr Sonia Kochhar	Successfully completed certification in Lifestyle Medicine.
6.	Dr Sonia Kochhar	Successfully completed Advanced PSG and Titration Course
7.	Dr Sonia Kochhar	Invited as Chairperson in national conference FIPS-ASSOPICON AIIMS PATNA
8.	Dr Sonia Kochhar	Invited as Chairperson in national conference APPICON 2024 ESIC Medical College & Hospital, Chennai
10.	Dr Meena Mirdha	Completed certification workshop of Basic cardiopulmonary life support (BCLS) and comprehensive cardiopulmonary life support (CCLS) from Indian Resuscitation Council Federation held on 29th -30th March,2025.
14.	Dr. Rajathi. R	Coordinator, hatha yoga reel competition on International yoga day 2024 AIIMS Bathinda
18.	Dr. Anupinder Thind	Organization of " Central Vigilance Week as member vigilance committee from 28th October to 3rd November 2024
25.	Dr. Anupinder Thind	Resource Faculty in Workshop on Basics of Medical Education, 18th-19th March 2025
26.	Dr. Anupinder Thind	Invited Chairperson in national conference FIPS-ASSOPICON AIIMS PATNA,



FACULTY DEVELOPMENT WORKSHOP ON DESIGNING SCENARIO BASED MCQS AND ITEM ANALYSES IN AIIMS BATHINDA CONDUCTED BY DEPARTMENT OF PHYSIOLOGY 02-08-2024

Physiology



Physiology



FACULTY DEVELOPMENT WORKSHOP OF DESIGNING SCENARIO BASED MCQS AND ITEM ANALYSES IN AIIMS BATHINDA CONDUCTED BY DEPARTMENT OF PHYSIOLOGY 30-AUGUST-2024

Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology



Physiology

Physiology



Physiology



Physiology





DEPARTMENT OF PSYCHIATRY

Name of the Department	Psychiatry
Head of the Department	Prof Gurvinder Pal Singh

V. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Gurvinder Pal Singh	Prof and head	29-4-2022
2	Dr. Jitender Aneja	Additional Professor	12-11-2019
3	Dr. Bharat Udey	Associate Professor	13-12-2019
4	Dr. Jawahar Singh	Associate Professor	30-8-2021

VI. Brief Introduction of the department:

The Department of Psychiatry started functioning after the inauguration of the outpatient services at AIIMS, Bathinda w.e.f. 23-12-2020. The faculty manpower consisted of four faculty members namely Dr. Gurvinder Pal Singh as Prof and HOD, Dr. Jitender Aneja, Additional Professor and Dr. Bharat Udey, Associate Professor and Dr. Jawahar Singh Associate professor.

Broadly we are catering to children, adolescents, adults and elderly patients with psychological issues or psychiatric disorders, substance use disorders and sexual disorders. In our outdoor clinic we are serving to patients with common mental disorders, severe mental illness, psychosomatic disorders, stress related problems, childhood disorders, geriatric problems, substance use disorders, marital and psychosexual disorders etc. We are seeing new patients as well as referred patients from other departments of AIIMS Bathinda and outside. We are providing pharmacotherapy, and psychological testing (presently limited) and therapies like psychoeducation, behavioral therapy, psychotherapy, abreaction treatments and teaching various relaxation exercises.

Special clinics being run are: Drug Deaddiction Clinic (DDC) (Tuesday), Child and Adolescent Psychiatry Clinic (CAPC) (Monday), Geriatric Mental Health Clinic (GMHC) (Wednesday), Marital & Psychosexual Clinic (MPC; Wednesday), and Mindfulness skill clinic (Thursday).

VII. Patient care Data:

For Clinical departments:

Sl No	Category	Number
1.	Patients seen in OPD	27040
2.	Patients admitted in IPD	489
3.	Teleconsultations	232
4.	Procedures performed A. Major B. Minor	
5.	Any other special clinic/activity	

VIII. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
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International conferences				
1				
National conferences				
1	Dr Gurvinder pal Singh	1. Conducted Third Wave Psychotherapy workshop in National Conference of award Dr N.N Wig Oration	India Psychiatric Society at Hyderabad on 23 rd January 2025 Indian Psychiatric Society-North zone at Bikaner on 28 th September 2024	India Psychiatric Society Indian psychiatric Society-North zone
2	Dr. Jawahar Singh	Mental health and substance use disorder at the community level	CME on Brain Awareness Week 2024	IBRO & Dana Foundation at Central university Punjab, Bathinda
3	Dr. Jitender Aneja	1. Looking beyond horizon: Future of technology in Psychiatry- Big data & Machine Learning 2. Rhythms of life and psychiatric disorders in children 3. Invited lecture on "Faith Healing in Psychiatry" 4. Quiz Master for IPS-Rajashtan Chapter Mid-term CME	1. Mid-year Conference of Indian Psychiatric Society 2. Biennial Conference of Indian Association for Child & Adolescent Mental Health 3. Annual National conference of Society for Rural Mental Health 4. IPS-Rajashtan Chapter Mid-term CME	Indian Psychiatric Society Indian Association for Child & Adolescent Mental Health Society for Rural Mental Health IPS-Rajashtan Chapter Mid-term CME

IX. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1	Dr Gurvinder Pal Singh	Dr N.N. Wig Oration award	Annual National Conference of Indian Psychiatric Society, North Zone	Indian Psychiatric Society-North zone
2	Dr. Jitender Aneja	Dr. K. C. Dube Award of Indian Psychiatric Society	Annual National Conference of Indian Psychiatric Society held at Hyderabad	Indian psychiatric society

X. Research activities undertaken in the department:



SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Jawahar Singh	Prognostic Nutritional Index (PNI) as prognostic factor for predicting post operative delirium (POD) among patients undergoing GI surgery (STS Co-Investigator)	ICMR	Ongoing	50000
2		To assess the effect of tobacco on cognitive functions among young adults. (STS Co-Investigator)	ICMR	completed	50000
3		Screening & diagnosis of depression: focus on genomic alterations & functional resonance imaging. (Co-Investigator)	(SERB/DST on 22-Aug-2022)	Completed, paper writing	18,00000
4		Brain Region-Specific Multi-Omics Analysis of Major Depressive Disorders in the Indian Population Using Human-Induced Pluripotent Stem Cells: Investigating Resilience Factors to Identify Personalized Therapeutic Targets (Funded by ICMR, as Co-Investigator)	ICMR IIRPIG-2023-0001025	Ongoing	~4CR
5		Medical and psychiatric comorbidities among patients with alcohol dependence: A multicentre study from India. As Principle-Investigator)	Funded by Indian Psychiatric Society	Completed, paper submitted	500000

XI. Papers and Books/chapters published by the department:

1. Detail of Paper published with indexing database*Detail of Book published with indexing database*Aggarwal M, Kaur J, Udey B, Singh J. Tapentadol Withdrawal Dystonia in a Young Adult Male Patient with Opioid Use Disorder. Journal of Clinical Psychopharmacology. 2024 Jun 7: 10-97. (PubMed)
2. Singh J, Singh A, Biswal S, Zomuansangi R, Lalbiaktluangi C, Singh BP, Singh PK, Vellingiri B, Iyer M, Ram H, Udey B. Microbiota-Brain Axis: Exploring the Role of Gut Microbiota in Psychiatric Disorders-A Comprehensive Review. Asian Journal of Psychiatry. 2024 May 7: 104068. (PubMed)
3. Singh J, Kaur S, Sharma R, Udey B, Gupta RK. Broken needles: A hidden and underreported risk among intravenous drug users. Indian J Psychiatry 2024; 66: 410-1. (PubMed)
4. Singh, Gurvinder Pal; Kaur, Sahildeep; Kaur, Sharanjot; Bansal, Muskan; Bugalia, Pratiksha. Revisiting depression: Nosological challenges in the third millennium. Indian Journal of Psychiatry 66(5): p 488-489, 2024.
5. Somani A, Tekkalaki B, Beg MJ, Gurvinder Pal Singh, Yugesh Rai, Vasudeo Paralikar, Amal Jolly, Chittaranjan Andrade: Comments on "Stress, Anxiety, and Depression Before and Twelve Months After Bariatric Surgery: Repeated Cross-sectional Study". Indian Journal of Psychological Medicine. 2024;46(6): 613-614.
6. Selvapandiyam, Jaiganesh; Das, Anindya¹; Singh, Gurvinder Pal². Research on psychotherapy in India: A systematic review. Indian Journal of Psychiatry 2024; 66: 123-134,



7. Aneja J, Chhabra K, Kaur S. Delirious mania or excited catatonia: Diagnostic and Management issues in a post-partum woman. *Indian J Psychiatry*, 2024. 66(12): 1178–1179. DOI: 10.4103/indianjpsychiatry.indianjpsychiatry_849_24.
8. Verma M, Kaur A Upneja A, Dhoat P, Aneja J, Kakkar R. Is Physical Activity Related to Depression and Anxiety among Adults? Observations from a Noncommunicable Disease Screening Clinic in North India. *Indian Journal of Community Medicine* 2025;50(1): 53-61. DOI: 10.4103/ijcm.ijcm_490_23
9. Magan D, Yadav RK, Aneja J, Pandey S. Association Between BMI and Neurocognitive Functions Among Middle-aged Obese Adults: Preliminary Findings Using Machine-learning (ML)-based Approach. *Annals of Neurosciences*, 2025, 09727531241307462. <https://doi.org/10.1177/09727531241307462>.
10. depression in women. *Indian J Soc Psychiatry* 2025. DOI: 10.4103/ijsp.ijsp_332_23.
2. Khaira HK, Kochhar S, Aneja J, Verma M, Rajendran R, Thind A. Association of chronotype pattern on the quality of sleep and anxiety among medical undergraduates - a cross-sectional study. *Int J Adolesc Med Health* 2025. <https://doi.org/10.1515/ijamh-2024-0189>.
3. Aneja J, Chhabra K, Kaur S. Reply to comments for “Delirious mania or excited catatonia: Diagnostic and Management issues in a post-partum woman.” *Indian J Psychiatry*, 2025. *Indian J Psychiatry* 2025;67: 451. DOI: 10.4103/indianjpsychiatry.indianjpsychiatry_182_25.

The department needs to provide the following numbers individual faculty wise:

Dr Gurvinder Pal Singh

1. Research papers-03
2. Book/book chapter-01
3. i10index- 25
4. H-index- 15

Dr. Jitender Aneja

1. Research papers- 10
2. Book/Book chapter- Nil
3. i10 index*- 26
4. H index*-17

Dr. Jawahar Singh

1. Research papers-3
2. Book/Book chapter
3. i10 index*-5
4. H index*-7

XII. Key Highlights and Departmental Activities:

1. **Dr Gurvinder Pal Singh** was elected President, Indian Psychiatric Society-North Zone on 28th September, 2024 at Bikaner.
2. On May 24, 2024, Psychiatry Department at AIIMS Bathinda observed World Schizophrenia Day and held an engaging awareness program to help break the stigma around schizophrenia and promote understanding of this often-misunderstood illness. Students and faculty created thoughtful posters and presentations, highlighting the importance of early detection, treatment, and compassion. Open discussions and patient stories made the event deeply personal, fostering empathy and support. We ended the day by reaffirming our commitment to building a more informed and inclusive community for people living with schizophrenia.
3. On 31st May 2024, our Psychiatry Department at AIIMS Bathinda came together to mark World No Tobacco Day. We organized a lively public education program to spread awareness about the risks of tobacco use and how to quit. A poster-making activity saw enthusiastic participation from students and staff, who brought the day's theme to life with creativity and passion. There were also informal talks and discussions, making it easy for everyone to ask questions and share their thoughts. The day ended on a hopeful note, with everyone taking a pledge to support a healthier, tobacco-free community.

4. On September 10, 2024, we came together in the Psychiatry Department at AIIMS Bathinda to mark World Suicide Prevention Day. We had an open, heartfelt awareness session, talking about how to spot the signs when someone might be struggling and ways we can all reach out and help. Students and staff put their feelings and ideas into a poster-making activity, creating thoughtful, moving messages of hope and encouragement. It was a day filled with honest conversations, shared stories, and gentle reminders that it's okay to ask for help.

XIII. Thesis Supervised (MD/MS): *

Number: Guide: 6 Co-guide **Eight MD thesis**

1. Title *"A study to assess the prevalence of seasonality and its clinical correlates in patients presenting with major depressive disorders at a tertiary care hospital in north India"*.
2. Title *"To study psychiatric morbidities in glaucoma patients diagnosed in a tertiary care facility in North-Western India"*
3. Title *"To study the prevalence and type of sexual dysfunction in females receiving antidepressant medications"*
4. Title *"Quality of life, psychiatric morbidities and coping in the wives of men with alcohol use disorder: A cross-sectional study"*
5. Title - *Prevalence of delirium tremens and its clinic-laboratoric correlates among patients of disorder due to use of alcohol admitted at a tertiary care hospital- a prospective observational study*
6. Title - *Pattern of substance use disorders (Tobacco, alcohol and opioid) among geriatric patients attending tertiary care centre in Punjab: A cross-sectional study.*
7. Title - *Clinico etiological profile and outcome of the elderly patients with delirium in a tertiary hospital a prospective observational study.*
8. Title - *A randomized controlled trial to compare the efficacy and safety of Lumateperone versus olanzapine-fluoxetine combination in the treatment of bipolar depression.*

XIV. Other Notable Achievements (in numbers): *



Inauguration of Tobacco Cessation centre at Psychiatry OPD, AIIMS, Bathinda



workshop during World Schizophrenia day



Dr Gurvinder Pal Singh elected as President at Annual conference of Indian psychiatric Society-North Zone (ACIPSNZ) at Bikaner



DEPARTMENT OF PULMONARY MEDICINE

Name of the Department	Department of Pulmonary Medicine
Head of the Department	Dr Ramniwas

I. Faculty Details:

Sr.no	Name of faculty	Designation	Date of Joining
1.	Dr Ramniwas	Associate Professor	17.11.21

II. Brief Introduction of the department:

The Department of Pulmonary Medicine is dedicated to becoming a center of excellence in the field of respiratory medicine, critical care, and sleep disorders, particularly serving the Malwa region. Our vision is to offer advanced, innovative, and cost-effective respiratory care that is both accessible and compassionate. With a strong focus on clinical excellence and patient-centered services, we aim to set new benchmarks in quality healthcare delivery.

The department addresses a wide spectrum of chest and respiratory conditions, including bronchial asthma, allergic bronchopulmonary aspergillosis (ABPA), chronic obstructive pulmonary disease (COPD), pneumonia, tuberculosis, pleural diseases, lung cancer, pulmonary hypertension, pulmonary embolism, pulmonary vasculitis, occupational lung diseases, interstitial lung diseases, sleep disorders, and respiratory failure. Our clinical approach is comprehensive, integrating accurate diagnosis with personalized treatment strategies tailored to the needs of each patient.

We currently offer a range of diagnostic and interventional procedures such as percutaneous FNAC and lung biopsies, tube thoracostomy, pleural biopsies, chemical pleurodesis, pulmonary function tests (PFT), cardiopulmonary exercise testing (CPET), six-minute walk test (6MWT), sleep studies, thoracic ultrasonography, bronchoscopic BAL, TBLB, Endobronchial Biopsies, Radial EBUS guided TBLB and endobronchial ultrasound-guided transbronchial needle aspiration (EBUS-TBNA). These services ensure that patients receive timely and precise care supported by advanced technology.

Looking ahead, the department plans to expand its clinical offerings to include fractional exhaled nitric oxide (FeNO) testing, body plethysmography, DLCO, medical thoracoscopy, and rigid bronchoscopy. These additions will further enhance our diagnostic and therapeutic capabilities, allowing us to manage complex pulmonary conditions more effectively.

In parallel with our clinical mission, the department is deeply committed to academic excellence. We are actively involved in the training of undergraduate and postgraduate students in pulmonary medicine and sleep disorders. In line with our vision for academic growth, we are also working towards the initiation of a DM program in Pulmonary Critical Care and Sleep Medicine, which will serve to build future leaders in this specialized field.

III. Patient care Data:

Sr No=	Category	Number
1.	Patients seen in OPD	24471
2.	Patients admitted in IPD	1080
3.	Teleconsultations	-
4.	Procedures performed A. Major B. Minor	Minor OPD Procedures 90-100 per month
5.	Any other special clinic/activity ABPA clinic	214



	ILD Clinic Sleep Clinic DOTS Centre	64 172 1119
6.	Bronchoscopy and EBUS	Started since 25/3/2025

S.N.	Category	Number
1.	Sleep study	172
2.	Spirometry	5557
3.	CPET	162
4.	6MWT	18

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Number of Papers presented in National Conference- One

Number of Papers presented in International Conference- One

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Ramniwas	A comparative analysis of circulating miRNA-21 and miRNA-155 in asthma patients versus healthy controls: Insights into potential biomarkers	Paper presentation-7 th Sept to 11 Sept 2024	ERS, Congress, Vienna
National conferences				
1	Dr Ramniwas	Bronchoscopy-from progressive evolution to revolutionary shift	Panel discussion- 19 th Oct 2024	NATCON 2024,Jaipur
2	Dr Ramniwas	National guideline on 'Oxygen management in Adult'.	As member of central team of expert	AIIMS, New Delhi under MoHFW
3	Dr Ramniwas	Prevention and Management of COPD	Lecture delivered, on Nov 20 th 2024	INER, AIIMS Bathinda
4	Dr Ramniwas	Prevention and Management of Asthma	Lecture delivered, on March 9 th 2025	INER, AIIMS Bathinda
5	Dr Ramniwas	Utilization of Multiple Sleep Latency Test(MSLT) in diagnosing Narcolepsy in a young child	Paper presentation as Co-presenter, on 23 th Nov 2024	NAPCON,2024

V. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Ramniwas	Clinico-pathological profile of Allergic Broncho-Pulmonary Aspergillosis patients presenting to Department of Pulmonary Medicine AIIMS Bathinda.	Intramural	Completed	NA



2	Dr Ramniwas	Effect of stubble burning on lung function amongst the general population of Malwa region.	Intramural	Completed	NA
3	Dr Ramniwas (As Guide)	STS Project-Reference ID-STS2024-05834, Title: Effect of smartphone assisted educational intervention on Inhaler technique and Asthma control in treatment of naïve bronchial asthma patients in Malwa region.	STS Project	Ongoing	NA
4	Dr Ramniwas (As Guide)	Assessing the Impact of Continuous Positive Airway Pressure Therapy on Exercise Tolerance, Cardiopulmonary Function, and Quality of Life in Patients with Obstructive Sleep Apnea: A Pre- and Post-Interventional Study	Thesis	Ongoing	NA
5	Dr Ramniwas (As Guide)	Utility of ultrasound diaphragm and accessory muscles in titrating Expiratory positive airway pressure during non-invasive ventilation in patient with Type 2 Respiratory failure – A Randomized controlled pilot study	Thesis	Ongoing	NA
6	Dr Ramniwas (As Co-Guide)	Evaluation of pulmonary functions in patients of “acute sub axial cervical spine injury with cord damage” for prediction of breathing issues: A Prospective Observational Study	Thesis	Ongoing	NA
7	Dr Ramniwas (As Co-Guide)	Comparative Evaluation of Lung Ultrasound B-lines Score, Inferior Vena Cava Diameter, and N-terminal Pro-brain Natriuretic Peptide in Differentiating Cardiogenic and Pulmonary Causes of Acute Dyspnea in a Tertiary Care Hospital: A Cross-sectional Study	Thesis	Ongoing	NA
8	Dr Ramniwas (As Co-Guide)	Comparison between Gelatine Sponge and Normal Saline as percutaneous lung biopsy tract embolization agents for prevention of post-biopsy complications: GELINE randomised controlled Trial	Thesis	Ongoing	NA
9	Dr Ramniwas (As Co-Guide)	Comparison between CT perfusion guided biopsy of	Thesis	Ongoing	NA



		thoracic lesions and Non contrast CT Guided biopsy of thoracic lesions in terms of diagnostic yield: A Randomized control trial			
10	Dr Ramniwas (As Co-Guide)	Impact of Dual-Energy Contrast-Enhanced vs. Non-Contrast CT on Thoracic Lesion Biopsy Outcomes: A Randomized Controlled Study	Thesis	Ongoing	NA
Projects Submitted					
1	Dr Ramniwas (As Guide)	Diagnostic Accuracy of a Limited-Channel Polysomnographic Device Compared to Simultaneous In-Hospital Level 1 Polysomnography in Patients Presenting with Sleep-Disordered Breathing: A Cross-Sectional Comparative Study.	Thesis	Submitted	NA
2	Dr Ramniwas (As Co-Guide)	RELATIONSHIP BETWEEN CRP AND FIBRINOGEN IN PATIENTS DIAGNOSED WITH COPD- AN OBSERVATIONAL STUDY.	Thesis	Submitted	NA

VI. Papers and Books/chapters published by the department:

Detail of Paper published with indexing database*- 5

1. Jalandra RN, Deokar K, Chauhan NK, Dutt N. Navigating Challenges in Adult Airway Foreign Body Extraction: Retrospective Insights From Flexible Bronchoscopy. *Cureus*. 2024 Dec 22;16(12): e76173. Doi: 10.7759/cureus.76173. PMID: 39840207; PMCID: PMC11747928.
2. Shahul S A, Chauhan NK, Dutt N, Chakraborti A, Elhence P, Jalandra R. Bronchoscopic Electrocautery Versus Adrenaline and Cold Saline Instillation for Prophylactic Haemostasis Prior to Biopsy of Endobronchial Lesions (BEVACS): A Randomized Controlled Trial. *J Bronchology Interv Pulmonol*. 2024 Apr 1;31(2): 199-204. Doi: 10.1097/LBR.0000000000000961. PMID: 38158758.
3. Kumawat R, Nimesh A, Jalandra R, Agrawal S, Srinivas H, Ahirwar AK. Perception, acceptance, and adverse effects of COVID-19 vaccines: Insights from Indian population. *J Family Med Prim Care*. 2024 Mar;13(3): 1062-1067. Doi: 10.4103/jfmpc.jfmpc_1668_23. Epub 2024 Apr 4. PMID: 38736779; PMCID: PMC11086799.
4. Asfahan S, Tandon A, Chauhan NK, Jalandra RN, Garg MK, Bohra GK, Garg PK, Bajpai NK, Bajad P, Babu A, Dutt N. Assessing the accuracy of pleural puncture sites in patients with pleural effusion as determined by clinical examination versus ultrasound-A single-centre prospective study. *Lung India*. 2024 Mar 1;41(2): 98-102. Doi: 10.4103/lungindia.lungindia_270_23. Epub 2024 Feb 27. PMID: 38700402; PMCID: PMC10959322.
5. Jalandra RN, S SA, Dutt N, Chauhan NK, Asfahan S, Elhence P, Deokar K. Diagnostic performance and Learning Curve of EBUS guided TBNA in Western India. A Retrospective Analysis. Accepted for publication in *Tanaffos (Respiration)*.

For Book/ Chapter:

Faculty- Dr. Ramniwas

- Research papers-5
- Book/Book chapter- Nil

- i10 index* - 9
- H index*-9

VII. Key Highlights and Departmental Activities:

Health awareness Camp- 4 (On World Asthma Day, World TB Day, World Sleep Day, World COPD Day)

Panel discussion-1, On World COPD Day

PG sensitization program – One (In coordination with NTEP Core Committee)

VIII. Thesis Supervised (MD/MS): Number: 7

IX. Other Notable Achievements (in numbers): * Started new services in the department such as DOTS Centre and Bronchoscopy

PHOTOGRAPHS TO BE ATTACHED HERE



Pulmonary Medicine/ 01: Spirometry facility being conducted in Department



Pulmonary Medicine/ 02: CPET facility being conducted in Department on regular basis.



Pulmonary Medicine/ 03: Sleep study facility being conducted in Department on regular basis.



Pulmonary Medicine/ 4: Pannel discussion awareness on world COPD day



Pulmonary Medicine/ 05: Bronchoscopy facility being conduct dept of regular basis.



Pulmonary Medicine/ 06: EBUS services provided in Department on regular basis.



Pulmonary Medicine/ 07: Ultrasonography facility being conducted in Department on regular basis.



Pulmonary Medicine/ 08: DOTS CENTRE



Pulmonary Medicine/ 09: 100 days TB Campaign



Pulmonary Medicine/ 10: Patient awareness programme on world Asthma day.



DEPARTMENT OF RADIATION ONCOLOGY

Name of the Department	RADIATION ONCOLOGY
Head of the Department	DR ANIL KUMAR GOEL

I. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	DR ANIL KUMAR GOEL	PROFESSOR AND HEAD	28-11-2023
2.	DR SAPNA MARCUS BHATTY	ADDITIONAL PROFESSOR	05-12-2019
3.	DR ROHIT MAHAJAN	ADDITIONAL PROFESSOR	05-12-2019

II. Brief Introduction of the department:

The Department of Radiation Oncology is providing state-of-the-art treatment to the patients. LINAC was installed, commissioned, and treatment services to the patients were started on 1st August, 2023. A high-energy linear accelerator is capable of performing high-end radiotherapy techniques like 3DCRT, IMRT, IGRT, Adaptive radiotherapy, SRS & SBRT. Also, Brachytherapy services were integrated in June 2024. Postgraduate teaching is also running in the department.

Facilities and services provided:

1. OPD services
2. IPD services
3. Radiotherapy services
4. Teleconsultations
5. Chemotherapy services
6. Pain and palliative services
7. Hospital based cancer registry
8. Population based cancer registry
9. Day care procedures
10. Cancer screening and awareness programmes

III. Patient care:

SI No	Category	Number
1.	Patients seen in OPD	18131
2.	Patients admitted in IPD	IPD-4801, DAY CARE-3172
3.	Teleconsultations	01
4.	Procedures performed A. Major B. Minor	243
5.	Patients received radiotherapy	699
6.	Any other special clinic/activity	ENT, ORTHO tumor clinics

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1.	Dr. Anil Kumar Goel	SRS in atypical meningioma in International	Artemis Hospital Gurugram from 9 th to 11 th August, 2024	by Indian Society for Stereotactic and



	Professor & Head, Radiation Oncology	conference at Gurugram from 9-11 August, 2024.		functional Neurosurgery, India.
National conferences				
1.	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	Role of radiotherapy in Ovarian Cancer on 12 th May 2024 in CME on ovarian disorders.	Krishna Continental, Bathinda on 12/5/2024.	Punjab Menopause Society.
2.	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	2nd Quality Improvement Conference (QICON) with the Theme "QUALITY IS EVERYBODY'S BUSINESS".	St. John Medical College Bengaluru from 18-19 th October 2024.	NCG-QI Board at St. John Medical College Bengaluru from 18-19 th October 2024.
3.	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	Delivered a talk on role SBRT in oligo-metastases from Sarcoma.	North Zone AROICON 2024 from 19-20 th October 2024 in Medanta Hospital Gurugram.	North Zone AROICON 2024 from 19-20 th October 2024 in Medanta Hospital Gurugram.
4.	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	Delivered a talk regarding recent advances in treatment of advanced Prostate Cancer.	11 th Annual Conference of the Malwa branch of API from September 26-29, 2024 at Auditorium, AIIMS Bathinda.	11 th Annual Conference of the Malwa branch of API.
5.	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	Participated as faculty in panel discussion regarding role of Neoadjuvant chemotherapy in locally advanced Cervical Cancer.	Mangaluru, Karnataka from 28 th November to 1 st December by Kasturba Medical College at Dr. TMA Pai International Convention Centre.	Mangaluru, Karnataka from 28 th November to 1 st December by Kasturba Medical College.
6	Dr. Anil Kumar Goel Professor & Head, Radiation Oncology	Delivered a talk regarding recent advances in biomarker driven targeted treatment in advanced Non-small cell lung Cancer.	CME on Precision Oncology organized by department of Biochemistry on 22 nd March, 2025, AIIMS Bathinda	CME on Precision Oncology organized by department of Biochemistry on 22 nd March, 2025, AIIMS, Bathinda



V. Research activities undertaken in the department:

Sr No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	DR ANIL KUMAR GOEL (PI)	Prevalence of HPV infection with oral cancer and its association with p53 gene among patients diagnosed at a tertiary care center , North India	Applied	ONGOING	NIL
2	DR ANIL KUMAR GOEL (CO-PI)	Application of artificial Intelligence for differentiating bone tumors on medical imaging	NIL	ONGOING	NIL
3	DR ANIL KUMAR GOEL (CO-PI)	India Stanford Quality improvement collaborative	NIL	ONGOING	NIL
4.	DR ANIL KUMAR GOEL (CO-PI)	Comparative evaluation of three weeks versus one week adjuvant post-operative radiotherapy regimen in breast cancer patients using IMRT: A RCT (Co-I).	NIL	Ongoing	NIL
5.	DR ANIL KUMAR GOEL (CO-PI)	Comparative study to evaluate CROSS protocol (Radiotherapy dose 41.4 Gy/23#) versus modified Cross Protocol (radiotherapy dose 50.4Gy/28#) with current CT followed by Surgery in locally advanced esophageal cancer. A RCT (Co-I).	NIL	Ongoing	NIL
6.	DR ANIL KUMAR GOEL (CO-PI)	Upfront Surgery Vs Induction Chemotherapy followed by Surgery in Oral cavity squamous cell cancers with advanced nodal disease (SurVIC Trial): A phase III multicentric RCT. (Co-I).	ICMR	1.8 Cr	3 yrs
7.	DR ANIL KUMAR GOEL (CO-PI)	Comparative evaluation of efficacy of ADT by LHRH antagonist Tab Regularix versus LHRH agonist Inj. Leuprolide in locally advanced or metastatic Prostate cancer. (Co-PI)	NIL	Ongoing	NIL
8.	DR ANIL KUMAR GOEL (CO-PI)	Evidence based multidisciplinary model treatment of Stage II Breast Cancer at AIIMS Bathinda	ICMR	1.2 Cr	3 yrs
9.	DR SAPNA M. BHATTY (PI)	M-COREG: CARDIO-ONCOLOGY GUIDELINES FORMULATION - PILOT PROJECT BY AIIMS, BATHINDA	NIL	ONGOING	NIL
10.	DR SAPNA M. BHATTY (Co-PI)	POPULATION BASED CANCER REGISTRY	NIL	ONGOING	NIL



11.	DR SAPNA M. BHATTY (Co-PI)	STS (ICMR) PROJECT: "COMPARATIVE ANALYSIS OF PESTICIDE TOXICITY WITH ALTERED BIOCHEMICAL PARAMETERS IN PLASMA SAMPLES FROM CANCER PATIENTS".	NIL	ONGOING	NIL
12.	DR SAPNA M. BHATTY (Co-PI)	MYTHS AND BELIEFS ABOUT CANCER CAUSATION AND PREVENTION".	NIL	ONGOING	NIL
13.	DR SAPNA M. BHATTY (Co-PI)	EFFECT OF VITD + CALCIUM ON METASTATIC BONE LESIONS	NIL	ONGOING	NIL
14.	DR ROHIT MAHAJAN (PI)	Upfront Surgery Vs Induction Chemotherapy followed by Surgery in Oral cavity squamous cell cancers with advanced nodal disease (SurVIC Trial): A phase III multicentric RCT.	ICMR	ONGOING	1.8Cr
15.	DR ROHIT MAHAJAN (PI)	Prevalence of mental health disorders in Head and Neck cancer patients.	NIL	ONGOING	NIL
16.	DR ROHIT MAHAJAN (PI)	Quality of life in adults with advanced and metastatic head and neck cancer on multi-agent chemotherapy: A prospective observational study.(CI)	NIL	ONGOING	NIL
17.	DR ROHIT MAHAJAN (Co-PI)	Comparative Analysis of Pesticide Toxicity with Altered Biochemical Parameters in Plasma sample from Cancer Patients.	NIL	ONGOING	NIL
18.	DR ROHIT MAHAJAN (Co-PI)	Effectiveness of structured health intervention on mouth self examination in a tertiary care hospital of North India.	NIL	ONGOING	NIL
19.	DR ROHIT MAHAJAN (Co-PI)	M-COREG: Cardio-Oncology guidelines formulation - pilot project by AIIMS, Bathinda.	NIL	ONGOING	NIL
20.	DR ROHIT MAHAJAN (Co-PI)	India Stanford Quality improvement collaborative	NIL	ONGOING	NIL
21.	DR ROHIT MAHAJAN (Co-PI)	Designing and implementing a health care model for stage II Breast cancer.	ICMR	1.2 Cr	3 yrs
22.	DR ROHIT MAHAJAN (Co-PI)	A prospective observational study of paclitaxel induced peripheral neuropathy in patients on cancer chemotherapy.	No funding		3 yrs
23.	DR SAPNA M. BHATTY(PI) DR ANIL KUMAR GOEL (Co-PI)	Comparative evaluation of three weeks versus one week adjuvant post operative radiotherapy regimens in breast cancer patients using intensity modulated radiotherapy techniques: A	NIL	ONGOING	NIL



	DR ROHIT MAHAJAN (Co-PI)	Randomised controlled trial (Dr. sivaranjani JR radiation oncology)			
24.	DR ANIL KUMAR GOEL (PI) DR SAPNA M. BHATTY (Co-PI) DR ROHIT MAHAJAN (Co-PI)	Comparative Evaluation of Accelerated Radiotherapy with Concurrent Chemotherapy versus Conventional Fractionation Chemoradiotherapy in head and neck cancers using Volumetric Modulated Arc Therapy: A Prospective Randomised Controlled Trial(Dr sneha bose JR radiation oncology)	NIL	ONGOING	NIL
25.	DR ROHIT MAHAJAN (PI) DR ANIL KUMAR GOEL (Co-PI) DR SAPNA M. BHATTY (Co-PI)	Comparative study to evaluate CROSS protocol(RT dose of 41.4Gy/23#) versus Modified CROSS protocol (RT dose of 50.5GY/28#) with concurrent CT followed by surgery in locally advanced oesophageal carcinomas: A Randomized Controlled Trial	NIL	ONGOING	NIL
26.	DR SAPNA M. BHATTY (Co-PI)	Role of sentinel lymph node biopsy using methylene blue dye in detecting axillary metastasis in patients of clinically node negative breast cancer(Dr. umang JR general surgery)	NIL	ONGOING	NIL
27.	DR SAPNA M. BHATTY (Co-PI)	A Phase 3, Open-label, Multicenter, Randomized Trial of Trastuzumab Deruxtecan with Bevacizumab Versus Bevacizumab Monotherapy as First-line Maintenance Therapy in HER2-Expressing Ovarian Cancer".	NIL	ONGOING	NIL
28.	DR SAPNA M. BHATTY (PI)	A Phase 3, Randomized, Double-Blind, Parallel Group, Multicenter Study to compare Efficacy, Safety, Pharmacokinetics, and Immunogenicity of an investigational pertuzumab biosimilar product Versus EUPerjeta in early or locally advanced HER2-positive breast cancer patients.	NIL	ONGOING	NIL

VI. Papers and Books/chapters published by the faculty:

1. Verma M, Mirza M, Sayal K, Goel A. Leveraging artificial intelligence to promote COVID19 appropriate behavior in a healthcare institution from north India: A feasibility study. Indian J Med Res 2025; 161: 1-11.
2. Garg P, Krishnamoorthy Y, Haldar P, Raja S, Verma M, Goel A, Kakkar R. Urban-rural disparities in cervical cancer screening among Indian women between 30–49 years: a



- geospatial and decomposition analysis using a nationally representative survey. *BMC Cancer* 2025; 25: 1-19.
3. Jain S, Goel A, Patel A, Shaikh S. Predictive and Prognostic Molecular Markers of Oral Cancers and Potential Therapeutic Agents Targeting These Markers. *Indian J Med Biochemistry* 2024; 28(3): 82-90.
 4. Kothari R, Doshi M, Chaithaniya P, Parmar D, Goel A, et al. A Randomized, Double-Blind, Phase III Study in India for Comparing Efficacy, Safety, and PK of ZRC-3277 (Pertuzumab Biosimilar) With Perjeta® in Patients With HER2-Positive Metastatic Breast Cancer. *Clinical Breast Cancer* 2024; 4 (7): 639-646.
 5. Lokesh S, Rana D, Goel A, Patel Y. Comparative evaluation of quality of life in patients after treatment with three palliative Radiotherapy schedules in advanced head & neck cancer. *International J Sci Res.* 2025; 14(3): 1-3.
 6. Global, regional, and national burden of breast cancer among females, 1990-2023, with forecasts to 2050: a systematic analysis for the Global Burden of Disease Study 2023." Accepted in *Lancet*.
 7. Global age-sex-specific all-cause mortality and life expectancy estimates for 204 countries and territories and 660 subnational locations, 1950– 2023: a demographic analysis for the Global Burden of Disease Study 2023." Accepted in *Lancet*.
 8. **Global burden of 292 causes of death in 204 countries and territories and 660 subnational locations, 1990–2023: a systematic analysis for the Global Burden of Disease Study 2023." Accepted in Lancet.**
 9. Marcus S, Mahajan R. The Impact of COVID-19 on Radiation Oncology and Cancer care. In: Verma M, Sahoo SS, Garg P, Kishore J, editors. *Clinics in COVID Pandemic*. New Delhi: Century Publishers; 2022.p. 228-237.
 10. **Marcus S, Bhatta S, Suri O.** Staging bone scan referral criteria for carcinoma prostate in Indian population-guidelines need a revisit? A Retrospective Study from a tertiary Care teaching hospital in Malwa region.
 11. Nagpal P, Bagla M, **Mahajan R** et al. Awareness of Oral Cancer among Residents of Chandigarh. *J Postgrad Med Edu Res* 2022;1-4
 12. Singh B, Singh G, Oinam AS, Singh M, Katake A, Kumar V, **Mahajan R.** Radiobiological modelling of radiation induced acute skin toxicity (dermatitis): A single institutional study of breast carcinoma. Ahead of print. *J Can Res Ther* 2022 DOI: 10.4103/jcrt.jcrt_1844_21.
 - 2) Jasani Avni, Jain Shilpa, Goel Anil, Rana Divyeshkumar, "Cytochrome C as a marker of Apoptotic Cell Death after Chemo-Radiotherapy in Locally Advanced Head and Neck Cancer Patients", *IJMACR- May -2023, Volume – 6, Issue - 3, P. No. 62 – 77.*
 - 3) Marcus S. Mahajan R. The Impact of COVID-19 on Radiation Oncology and Cancer Care: A Perspective from the Cancer Belt Region of India. *Asian Journal of Oncology.* 2020;vol(6): no2.
 - 4) Saggu S, Bhatta Marcus S. Malignant gastric tumor with krukenberg presentation. A case report. *Global Journal Of Research Analysis* 2020;issue4: vol(9)
 - 5) Marcus S, Kaur J, Yadav H, et al. Prospective randomized study comparing concomitant chemo-radiotherapy using three weekly Cisplatin and biweekly 5- Fluoro-uracil versus weekly Paclitaxel in patients of locally advanced carcinoma cervix. *MedPulse – International Medical Journal.* April 2018; 5(4): 45-47.

VII. Other important Highlights with relevant photographs of the department:

Quiz competition, poster competition were organized for MBBS students for cancer awareness. Talk on oral cancer awareness was given to MBBS students, general public in surrounding areas of the Institute. (World Cancer Day, 4th Feb, 2025)

Project "PEHAL" was continued to create cancer awareness among schools of Bathinda.

Organized Hair Donation drive for cancer patients on 8th March, 2025 started with faculty and students for providing free wigs for young cancer patients.

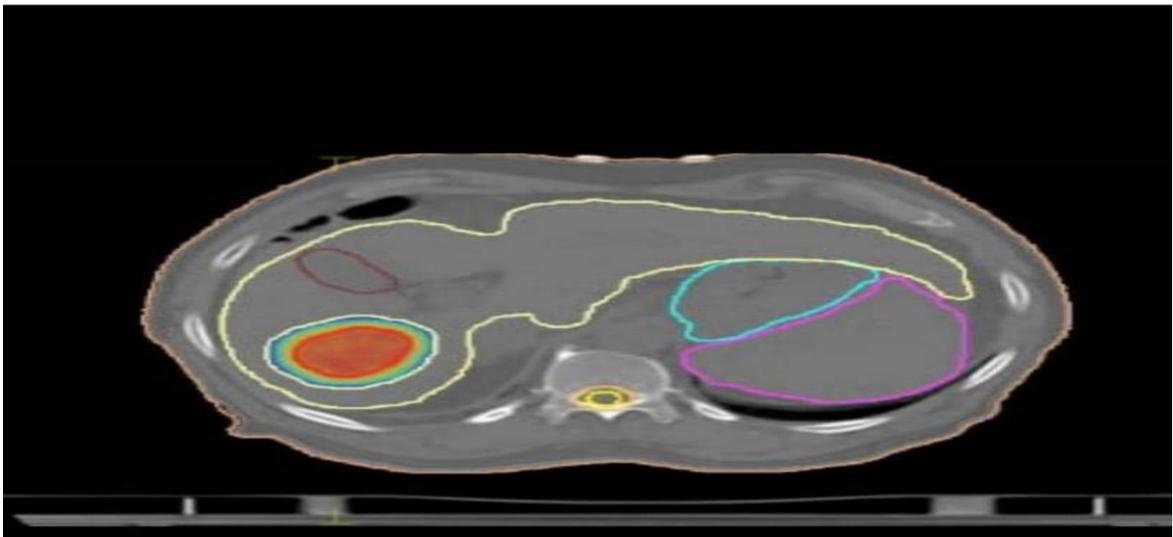
Signed MOU with CANSUPPORT, provided free morphine and started free palliative care services.

Started brachytherapy services in June, 2024.

**IX. Number of Thesis Supervised MD/MS*-2
Radiation Oncology/01**



Segment 7 lesion was ablated with almost no dose to normal liver (V15 Gy less than 500cc) and liver functions were normal). Patient is absolutely fine with no side effects...



Pituitary adenoma SRS at Radiation Oncology department, AIIMS Bathinda.





DEPARTMENT OF RADIODIAGNOSIS

Name of the Department	Radiodiagnosis
Head of the Department	Dr Paramdeep Singh

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Paramdeep Singh	Additional Professor	18/08/2021
2.	Dr Harmeet Kaur	Associate Professor	27/11/2019
3.	Dr Navdeep Kaur	Associate Professor	30/11/2019
4.	Dr Sameer Peer	Assistant Professor	21/04/2022

II. Brief Introduction of the Department:

Department of Radiodiagnosis provides diagnostic and interventional facilities. The vision is to establish a state-of-the-art department with the aim of having recognition at the national and international level for excellence in medical imaging and interpretation, advances in imaging research, and academics. The department is involved in an academic routine with a teaching program comprising weekly seminars, case discussions, and a journal club. The main goals are to provide optimal patient care in a friendly environment, to provide the highest standards of diagnostic imaging & interventional services at a reasonable cost, and to bring the department at par with the best in patient care, medical education, teaching, and basic research in the country. The department currently has four USG machines, one 3T MRI, one 256-slice dual energy CT, one Digital radiography unit, one full field digital mammography unit, one Digital radiography and fluoroscopy unit, and Portable CR units for round-the-clock patient care.

III. For Diagnostic departments:

Sl No	Category/ Name of test	Number
1.	Ultrasound	33120
2.	Colour Doppler	2379
3.	CT scans	42760
4.	X-rays	87337
5.	Fluoroscopy	757
6.	MRI	11572
7.	Digital Mammography	48

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Paramdeep Singh	Abstract presented on Dynamic Magnetic Resonance Imaging (MRI) for assessment of pelvic organ prolapse in asymptomatic postmenopausal women without clinically evident pelvic organ descent	19th World Congress on the Menopause Melbourne, Australia from 19 to 22 October 2024	19th World Congress Melbourne, Australia
		Lecture at Asian Oceanian Congress of Radiology		AOCR 2025 held on January 23 - 26, 2025 in Chennai/India



National conferences				
2	Dr Paramdeep Singh	Delivered invited lectures as a Guest speaker and faculty at various National conferences		
3	Dr Harmeet Kaur	Presented a paper on the topic 'Role of Dual CT in acute vertebral injuries'	Punjab Chapter IRIA ICRI CME in March 2024	Punjab Chapter IRIA ICRI CME in March 2024
4	Dr Harmeet Kaur	Delivered a Guest speaker in the 1 st PGI MSK series on the topic 'Role of CT in ankle and foot pathologies'	PGI MSK series	PGI MSK series
		Participated as 'Faculty Demonstrator' in Hands-on workshop on 'USG ankle and foot' and Faculty' in Hands-on workshop on 'USG of all joints'		
		invited lecture as a Guest speaker in the National conference of the Musculoskeletal Society	National conference of the Musculoskeletal Society	National conference of the Musculoskeletal Society
		Participated as 'Chairperson' in IRIA Resident Teaching Quiz and Participated as 'Chairperson' in the ENT Symposium	IRIA	IRIA
5	Dr Navdeep Kaur	Representing the institute at various national and state-level radiology conferences		

V. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
	Dr Paramdeep Singh	National Best Medical Teacher Award	At national conference of IMA held at Hyderabad	Indian Medical Association (IMA)
	Dr Paramdeep Singh	Chairperson of the Institutional Ethics Committee (IEC) of Central University of Punjab, Bathinda, and as a member of the ethics committee at Akal University, Talwandi Sabo.		
	Dr Paramdeep Singh	Actively involved in initiation of BSc, PG and fellowship courses in the department, PG/SR teaching, framing of thesis protocols of PG students as guide & co-guide.		
	Dr Paramdeep Singh	member of the Editorial Board of the PubMed-indexed journals		



	Dr Harmeet Kaur	Nodal officer and Quality Manager for NABL Accreditation of Radiodiagnosis Department of AIIMS Bathinda		
	Dr Navdeep Kaur	Selected for the prestigious fellowship in Advanced Cardiac Imaging at the Cleveland Clinic, USA.		

VI. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/extramural	Status (ongoing/completed)	Budget
Extramural-funded Projects					
1	Dr Paramdeep Singh	Screening and diagnosis of depression focus on genomic alterations and functional Magnetic resonance imaging	Extramural-DST-SERB	Completed	30,83,820
2	Dr Paramdeep Singh	Pre-operative surgical planning of Pituitary Adenomas based on Magnetic Resonance (MR) Elastography with Surgical and Immunohistopathological correlation	Extramural-ICMR	Ongoing	27,00,000
Intramural Projects					
	Dr Harmeet Kaur	Study on USG & Endoscopic airway assessment in post-tracheostomy patients	Intramural Project		
	Dr Harmeet Kaur	Cephalometric landmark localization on AI-generated CT images derived from MRI Scans of the Human Head	Intramural Project		
	Dr Navdeep Kaur	Co-PI in various extra as well as intramural research projects includes: Automatic Classification of Breast lesions on mammograms using artificial intelligence – A non-randomized clinical trial. Prevalence & outcome of comorbidities in patients with connective tissue disorder. To study the clinical features associated with paraquat poisoning with a special focus on pulmonary and cardiovascular system disorders & associated outcomes. Impact of sinus volume on incidence of Allergic Fungal			



		Rhinosinusitis: A comparative observational study.			
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VII. Papers and Books/chapters published by the department:

NAME OF FACULTY	BOOK/CHAPTER PUBLISHED
Dr Harmeet Kaur	02
Dr Sameer Peer	02
Dr Paramdeep Singh	02

Publications

Dr. Paramdeep Singh

Research Papers - 29

Book/Book chapters - 02

i10 Index - 71

H-index – 37

- Schumacher AE, et al. Global age-sex-specific mortality, life expectancy, and population estimates in 204 countries and territories and 811 subnational locations, 1950–2021, and the impact of the COVID-19 pandemic: a comprehensive demographic analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024;403(10440): 1989–2056.
- Naghavi M, et al. Global burden of 288 causes of death and life expectancy decomposition in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024;403(10440): 2100–2132.
- Ferrari AJ, et al. Global incidence, prevalence, years lived with disability (YLDs), disability-adjusted life-years (DALYs), and healthy life expectancy (HALE) for 371 diseases and injuries in 204 countries and territories and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024;403(10440): 2133–2161.
- Vollset SE, et al. Burden of disease scenarios for 204 countries and territories, 2022–2050: a forecasting analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024;403(10440): 2204–2256.
- Brauer M, et al. Global burden and strength of evidence for 88 risk factors in 204 countries and 811 subnational locations, 1990–2021: a systematic analysis for the Global Burden of Disease Study 2021. *Lancet*. 2024;403(10440): 2162–2203.
- Jindal M, Chhetri A, Ludhiadch A, Singh P, Peer S, Singh J, et al. Neuroimaging genomics a predictor of major depressive disorder (MDD). *Mol Neurobiol*. 2024;61(6): 3427–40.
- Wander A, Meena AK, Torres A, et al. Tongue and hand tremors in an infant with traumatic brain injury. *Indian J Pediatr*. 2024;91: 747.
- Kaur N, Kaur A, Singh P, Kaur H, Peer S, Sahoo SS. Pulmonary mucormycosis as a presentation of COVID-19: Case series. *Indian J Tuberc*. 2024. <https://doi.org/10.1016/j.ijtb.2024.02.002>
- Ledesma JR, et al. Global, regional, and national age-specific progress towards the 2020 milestones of the WHO End TB Strategy: a systematic analysis for the GBD Study 2021. *Lancet Infect Dis*. 2024;24(7): 698–725.
- Wander A, Meena AK, Choudhary PK, Peer S, Singh R. Pediatric headache: a comprehensive review. *Ann Child Neurol*. 2024;32(4): 207–18.
- Cross M, et al. Global burden of gout, 1990–2020, and projections to 2050: GBD Study 2021. *Lancet Rheumatol*. 2024;6(8): e507–e517.
- Jin Y, et al. Global trend and projection of early musculoskeletal disorders, 1990–2050. *Med*. 2024;5(8): 943–962.e6.



13. Chhetri A, Goel K, Ludhiadch A, Singh P, Munshi A. Role of imaging genetics in Alzheimer's disease: A systematic review. *CNS Neurol Disord Drug Targets*. 2024 Jan 12.
14. Singh R, Peer S, Singh P, Wander A. Porencephaly and hemorrhage in infantile col4a2-related microangiopathy. *Neurology*. 2024;103(5): e209758.
15. Bryazka D, et al. Forecasting effects of smoking prevalence on YLL and life expectancy: GBD 2021. *Lancet Public Health*. 2024;9(10): e729–e744.
16. Feigin VL, et al. Global burden of stroke and risk factors, 1990–2021. *Lancet Neurol*. 2024;23(10): 973–1003.
17. Peer S, Singh P, Rana SS, Singh TK. CT imaging for craniofacial and dental applications. In: *3D Imaging for Craniofacial Region*. Springer; 2024. p.9–34.
18. Comfort H, et al. Global stillbirths at 20 weeks' gestation or longer, 1990–2021: GBD Study 2021. *Lancet*. 2024;404(10466): 1955–1988.
19. Gaddigoudar M, Choudhary PK, Meena AK, Singh R, Singh P, Wander A. CNS tuberculomas: Role of sampling from peripheral sites. *Indian J Pediatr*. 2024;91(12): 1304–.
20. Carter A, et al. Global burden of HIV/AIDS, 1990–2021, and forecasts to 2050. *Lancet HIV*. 2024;11(12): e807–e822.
21. Arndt MB, et al. Global nutrition targets progress and projections to 2050. *Lancet*. 2024;404(10471): 2543–2583.
22. Arndt MB, Abate YH, Abbasi-Kangevari M, et al. Global progress toward 2030 nutrition targets. *Lancet*. 2024.
23. Singh P, Singh J, Peer S, Jindal M, Khokhar S, Ludhiadch A, et al. Resting-state fMRI connectivity in major depressive disorder. *Ann Neurosci*. 2025;32(1): 13–20.
24. Sirota SB, et al. Global burden of upper respiratory infections and otitis media, 1990–2021. *Lancet Infect Dis*. 2025;25(1): 36–51.
25. Leary PJ, et al. Global burden of pulmonary arterial hypertension, 1990–2021. *Lancet Respir Med*. 2024;13(1): 69–79.
26. Choudhary PK, Meena AK, Wander A, Mahesan A, Singh P. Neurofibromatosis type 1: Imaging in pediatric case. *Case Rep Radiol*. 2025;2025(1): 9912392.
27. Feigin VL, et al. Global burden of epilepsy, 1990–2021: GBD Study 2021. *Lancet Public Health*. 2024;10(3): e203–e227.
28. Bennitt FB, et al. Global burden of household air pollution, 1990–2021. *Lancet*. 2025;405(10485): 1167–1181.
29. Dantis K, Singh R, Singh P. Pediatric hereditary giant rib osteochondroma: Case report. *J Cardiothorac Surg*. 2025;20(1): 123.

Dr Harmeet Kaur

Research Papers - 14

Book/Book chapters - 02

i10 Index - 03

H-index – 05

1. Kaur H, Bajaj M, Garg A, Tiwari P. Calcific tendinitis of the flexor digitorum profundus in a pediatric patient: A common condition in an uncommon location. *Indian J Musculoskelet Radiol*. 2025.
2. Patra A, Kaur H, Chaudhary P, Ravi KS, Asghar A, Walocha J. Quantitative Analysis of Cerebral Ventricular Dimensions in the Adult Population of Northern India: A Cross-Sectional Study Using Magnetic Resonance Imaging: Quantitative Analysis of Cerebral Ventricular Dimensions. *La Clinica Terapeutica*. 2025 Feb 17;176 (1).
3. Rohilla R, Kaur H, Tiwari P. Comparison of Efficacy and Safety of USG-guided versus Blind Pulley Release for Trigger Finger: A systematic review and meta-analysis. *Journal of Clinical Orthopaedics and Trauma*. 2024 Oct 28: 102795.
4. Kaur H, Walia R, Patra A, Singh P, Singh K. CT coronary angiographic approach to delineate terrible triad of coronary-cameral microfistulae, myocardial bridge and hypertrophic



- obstructive cardiomyopathy presenting with angina: a case report. *La Clinica Terapeutica*. 2024 Nov 21;175(6).
5. Kaur H, Singh R, Sankar H, Vichare S. Magnetic Resonance Imaging for Craniofacial Applications. In *Applications of Three-dimensional Imaging for Craniofacial Region 2024 Oct 19* (pp. 35-52). Singapore: Springer Nature Singapore.
 6. Maken P, Rana SS, Gupta A, Kaur H. Challenges for 3D Imaging for Craniofacial Applications. In *Applications of Three-dimensional Imaging for Craniofacial Region 2024 Oct 19* (pp. 223-240). Singapore: Springer Nature Singapore.
 7. Raj A, Gupta V, Krishnamoorthi S, Kaur H, Saini V. Effect of the staging of rhino-orbital-cerebral mucormycosis on its management and clinical outcome. *Indian Journal of Ophthalmology*. 2024 Oct 1;72(10): 1519-23.
 8. Tiwari P, Kaur H, Kaur H. Sociophysical Predictors of Facet Joint Arthritis in a Mountain Farming Community: A Computed-tomography-based Analytical Cross-sectional Study. *Journal of Orthopaedic Diseases and Traumatology*. 2024 Jan 1;7(1): 60-70.
 9. RS Abdulkader, M Ponnaiah, T Bhatnagar, AGA Rozario, G K, Kaur H et al. Baseline findings of a multicentric ambispective cohort study (2021–2022) among hospitalised mucormycosis patients in India. *Mycology* 15 (1), 70-84.
 10. A Patra, Kaur H, P Chaudhary et al. Morphological and morphometric analysis of the Sacral Hiatus using lumbosacral spine CT scans: clinical relevance in Caudal Epidural Analgesia. *Folia Morphologica*. 2024.
 11. S Bansal, H Kaur, P Chojer. Ultrasound Guided Intramatrix Injection—A Novel Technique. *Indian Dermatology Online Journal*, 2024;10.4103.
 12. Kaur H, Tiwari P, Saini GS, Bansal N. Complete Ankle Joint that is Tibiotalar and Distal Tibiofibular Coalition Presenting with Foot and Ankle Pain—A Case Report. *Journal of Orthopaedic Case Reports*. 2024 May;14(5): 32.
 13. Kaur H, Tiwari P, Bansal N. Plantar Fasciitis with Chronic Baxter's Neuropathy Causing Hindfoot Pain—A Case Report. *Journal of Orthopaedic Case Reports*. 2024 Feb;14(2): 150.
 14. Kaur N, Kaur A, Singh P, Kaur H, Peer S, Sahoo SS. Pulmonary mucormycosis as a presentation of COVID-19: Case series. *Indian Journal of Tuberculosis*. 2024 Feb 20.

Dr Navdeep Kaur

Research Papers - 10

Book/Book chapters - 0

i10 Index - 0

H-index - 4

1. Kaur N, Kaur A, Singh P, Kaur H, Peer S, Sahoo SS. Pulmonary mucormycosis as a presentation of COVID-19: Case series. *Indian J Tuberc*. 2024;71(3): 366–9.
2. Rao NM, Kaur N, Rana SS, et al. Can MRI be a potential substitute for CT in cephalometric analysis for radiation-free diagnoses? *J Orofac Orthop*. 2025. doi: 10.1007/s00056-024-00453-0.
3. Ranjan J, Wander A, Kaur N, et al. Atypical presentation resembling acute leucoencephalopathy with restricted diffusion in *Staphylococcus aureus* meningoenzephalitis. *Cureus*. 2024;16(3): e55517. doi: 10.7759/cureus.55517.
4. Raj A, Kaur N, Arya M. Malignant hypertensive retinopathy: A clinch to the diagnosis of occult pregnancy: A case report. *EC Ophthalmol*. 2025;16(1): 1–4.
5. Kaur N, Singh R, Charan BD, et al. CA-MRSA associated acute leucoencephalopathy with restricted diffusion (ALERD). *BMJ Case Rep CP*. 2024;17: e261226. doi: 10.1136/bcr-2023-261226.
6. Selvaraj M, Singh R, Kaur N, Peer S. Ultrasound imaging and its craniofacial applications. In: Rana SS, Chaudhari PK, Gupta A, editors. *Applications of Three-dimensional Imaging for Craniofacial Region*. Singapore: Springer; 2024. p. 49–60. doi: 10.1007/978-981-97-4608-8_4.
7. Giant cerebriform nevus lipomatosus cutaneous-superficialis with diffuse lipomatosis: An unusual presentation on the neck. *SKINmed*. 2024;22(3): 228–9.



8. Sidana S, Kaur N, Bhardwaj NK, Bansal S, Mittal P. Congenital hypothyroidism and nephrocalcinosis—An uncommon association. *IJEM Case Rep.* 2024;2(2): 50–3. doi: 10.4103/ijemcr.ijemcr_22_24.
9. Deepika, Goyal S, Garg P, Kanwat J, Kaur N. Vaginal leiomyoma in a perimenopausal woman: A rare case report and review of the literature. *J Family Med Prim Care.* 2024;13(5): 2161–3. doi: 10.4103/jfmpc.jfmpc_64_24.
10. Kaur A, Dhoat PS, Kaur N, Sahoo SS. Knowledge, awareness, and determinants of medication adherence in hypertensive patients: A hospital-based cross-sectional study in North India. *J Pharm Bioall Sci.* 2024;16(Suppl 1): S118–21. doi: 10.4103/jpbs.jpbs_406_23.

Dr Sameer Peer

Research Papers - 25
 Book/Book chapters - 2
 i10 Index - 2
 H-index - 5

List of Publications (1st Apr 2024 - 31st March 2025)

- 1: Singh R, Peer S, Meena AK, Bali A, Wander A. Moya Moya Disease with Absence of Bilateral Radial Arteries- A Clinical Masquerade of Takayasu Arteritis. *Indian J Pediatr.* 2025 Apr;92(4): 409-410. doi: 10.1007/s12098-024-05357-x. Epub 2024 Dec 17. PMID: 39681811.
- 2: Singh R, Peer S, Meena AK, Wander A. Teaching Video NeuroImage: Reversible Cerebral Atrophy and Substantia Nigra Changes After Vitamin B12 Treatment in Infantile Tremor Syndrome. *Neurology.* 2024 Dec 24;103(12): e210076. doi: 10.1212/WNL.0000000000210076. Epub 2024 Nov 20. PMID: 39566010.
- 3: Singh R, Peer S, Singh P, Wander A. Teaching NeuroImage: Porencephaly and Hemorrhage in Infantile <i>COL4A2</i>-Related Cerebral Microangiopathy. *Neurology.* 2024 Sep 10;103(5): e209758. doi: 10.1212/WNL.0000000000209758. Epub 2024 Aug 8. PMID: 39116375.
- 4: Kaur N, Kaur A, Singh P, Kaur H, Peer S, Sahoo SS. Pulmonary mucormycosis as a presentation of COVID 19: Case series. *Indian J Tuberc.* 2024 Jul;71(3): 366-369. doi: 10.1016/j.ijtb.2024.02.002. Epub 2024 Feb 20. PMID: 39111949.
- 5: Garg P, Garg N, Peer S, Chholak D, Kaur M. Pseudomyxoma peritonei leading to "jelly belly" abdomen: a case report and review of the literature. *J Med Case Rep.* 2024 Jun 28;18(1): 296. doi: 10.1186/s13256-024-04612-1. PMID: 38937808; PMCID: PMC11212264.
- 6: Peer S, Lovleen. Vascular Steal Phenomenon in Lower Limb due to Reactive Hyperemia in Contralateral Limb: A Case Series and an Explanation of a Rare Phenomenon Using Continuity Equation. *Ann Vasc Dis.* 2024 Jun 25;17(2): 205-210. doi: 10.3400/avd.cr.24-00019. Epub 2024 Apr 23. PMID: 38919313; PMCID: PMC11196167.
- 7: Singh R, Lakhanpal V, A R, Peer S, Wander A. Olivary Hypertrophy Induced Palatal Myoclonus in a Treated Case of Medulloblastoma. *Neuropediatrics.* 2024 Dec;55(6): 424-426. doi: 10.1055/s-0044-1787745. Epub 2024 Jun 19. PMID: 38897218.
- 8: Lakhanpal V, Peer S, Sharma B. Oro-facial-digital syndrome type 1 and neuronal migration disorders. *BMJ Case Rep.* 2024 Jun 5;17(6): e260264. doi: 10.1136/bcr-2024-260264. PMID: 38839402.
- 9: Singh R, Peer S, Wander A. Exploring the intersection of tuberous sclerosis and precocious puberty unveiled by hematocolpos. *Neurol Sci.* 2024 Aug;45(8): 4091-4093. doi: 10.1007/s10072-024-07523-7. Epub 2024 Apr 19. PMID: 38637341.
- 10: Dhoot SK, Lakhanpal V, Peer S, Prakash S. Clinical Spectrum of Ophthalmic Manifestations in Myelin Oligodendrocyte Glycoprotein-Associated Disease (MOGAD): A Comprehensive Case Report. *Ocul Immunol Inflamm.* 2024 Nov;32(9): 2254-2260. doi: 10.1080/09273948.2024.2325053. Epub 2024 Mar 4. PMID: 38436938.
- 11: Peer S, Bhardwaj NK, Wander A. Neuroimaging features in Wolfram syndrome type 1. *Neurol Sci.* 2024 Jun;45(6): 2943-2944. doi: 10.1007/s10072-024-07352-8. Epub 2024 Jan 31. PMID: 38291196.



- 12: Meena AK, Wander A, S M, Peer S, Bansal A. Magnetic Resonance Imaging Pattern Recognition in Fucosidosis. *Indian J Pediatr.* 2025 Jan;92(1): 79-80. doi: 10.1007/s12098-024-05052-x. Epub 2024 Jan 22. PMID: 38246967.
- 13: Wander A, Meena AK, Peer S, Pilia RK, Chhabra P, Bhardwaj NK, Mir A, Gulati S. Beyond Fever: Central Nervous System Vasculitis and Intracranial Bleed in a Child with Kawasaki Disease. *Indian J Pediatr.* 2024 Jun;91(6): 642. doi: 10.1007/s12098-023-05001-0. Epub 2024 Jan 4. PMID: 38175496.
- 14: Wander A, Meena AK, Torres A, Peer S, Singh P, Gulati S. Tongue and Hand Tremors in an Infant with Traumatic Brain Injury. *Indian J Pediatr.* 2024 Jul;91(7): 747. doi: 10.1007/s12098-023-05004-x. Epub 2023 Dec 30. PMID: 38159149.
- 15: Wander A, Mahesan A, Meena AK, Manikandan S, Peer S, Singh P, Gulati S. Bartter Syndrome Unveiled: Unraveling the Masquerade of Neuroregression. *Indian J Pediatr.* 2024 Mar;91(3): 314. doi: 10.1007/s12098-023-04993-z. Epub 2023 Dec 20. PMID: 38114863.
- 16: Jindal M, Chhetri A, Ludhiadch A, Singh P, Peer S, Singh J, Brar RS, Munshi A. Correction to: Neuroimaging Genomics a Predictor of Major Depressive Disorder (MDD). *Mol Neurobiol.* 2024 Jun;61(6): 3441. doi: 10.1007/s12035-023-03838-2. Erratum for: *Mol Neurobiol.* 2024 Jun;61(6): 3427-3440. doi: 10.1007/s12035-023-03775-0. PMID: 38079110.
- 17: Peer S, Bajaj M, Bhagat T, Raina R, Kaushal G. Sequential Aspiration and injection of a Mixture of gelatin-based hemostatic agent and autologous blood clot followed by suture coiling for Effective Embolization of splenic artery pseudoaneurysm by interventional Radiologist (SAMEER): Description of a novel technique. *Radiol Case Rep.* 2025 Mar 29;20(6): 3024-3030. doi: 10.1016/j.radcr.2025.03.006. PMID: 40230714; PMCID: PMC11994322.
- 18: Lakhanpal V, Peer S, Sharma B. Teaching neuroimage: PML presenting astumefactive demyelination in an immunocompetent person. *J Clin Neurosci.* 2025 Jun;136: 111229. doi: 10.1016/j.jocn.2025.111229. Epub 2025 Apr 7. PMID: 40199043.
- 19: Peer S, Wander A, Singh R, Lakhanpal V. "Frog face and strangulated medulla": neuroimaging phenotype in a novel mutation in GFAP gene causing adult onset Alexander disease. *Neurol Sci.* 2025 Apr 8. doi: 10.1007/s10072-025-08161-3. Epub ahead of print. PMID: 40198472.
- 20: Peer S, Wander A, Meena AK. "Hair-on-end" appearance in thickened cortex in a case of classic lissencephaly due to DCX gene mutation. *Neurol Sci.* 2025 Jul;46(7): 3349-3351. doi: 10.1007/s10072-025-08163-1. Epub 2025 Apr 7. PMID: 40192980
- 21: Singh P, Singh J, Peer S, Jindal M, Khokhar S, Ludhiadch A, Munshi A. Assessment of Resting-state functional Magnetic Resonance Imaging Connectivity Among Patients with Major Depressive Disorder: A Comparative Study. *Ann Neurosci.* 2025 Jan;32(1): 13-20. doi: 10.1177/09727531231191889. Epub 2023 Aug 28. PMID: 40017570; PMCID: PMC11863249.
- 22: Singh R, Barwa J, Patra A, Peer S, Kumar A. A Medical Miracle: Surviving a Perforating Gunshot Injury to the Neck. *Cureus.* 2025 Jan 20;17(1): e77713. doi: 10.7759/cureus.77713. PMID: 39974232; PMCID: PMC11837981.
- 23: Elangovan A, Singh R, Bali A, Vellingiri B, Meena AK, Peer S, Wander A. A Novel Crossover between Vici Syndrome and Spastic Paraplegia: Variant of EPG5 in Spastic Paraplegia. *Indian J Pediatr.* 2025 Apr;92(4): 428. doi: 10.1007/s12098-025-05415-y. Epub 2025 Jan 8. PMID: 39777715.
- 24: Singh R, Peer S, Meena AK, Bali A, Wander A. Moya Moya Disease with Absence of Bilateral Radial Arteries- A Clinical Masquerade of Takayasu Arteritis. *Indian J Pediatr.* 2025 Apr;92(4): 409-410. doi: 10.1007/s12098-024-05357-x. Epub 2024 Dec 17. PMID: 39681811.
- 25: Meena AK, Wander A, S M, Peer S, Bansal A. Magnetic Resonance Imaging Pattern Recognition in Fucosidosis. *Indian J Pediatr.* 2025 Jan;92(1): 79-80. doi: 10.1007/s12098-024-05052-x. Epub 2024 Jan 22. PMID: 38246967.

VIII. Key Highlights and Departmental Activities:

Number of Conferences Organized: 1

Number of Workshops Organized: 1



IX. Thesis Supervised (MD/MS): *

NAME OF FACULTY	THESIS GUIDE	CO-GUIDE
DR PARAMDEEP SINGH	5 PG students	7 PG students
DR HARMEET KAUR	3 PG students	3 PG students
DR NAVDEEP KAUR	-----	4 PG students
DR SAMEER PEER	-----	8 PG students



The Department of Radiodiagnosis, AIIMS Bathinda successfully hosted a hands-on workshop on “Minimally Invasive, Maximally Effective: Basics of Ultrasound-Guided Interventions “on 21st December 2024, in which more than 150 participants registered for the workshop. The workshop was attended by Dignitaries, esteemed faculty members, academic residents, Interns, and Nursing officers of AIIMS Bathinda.



The Department of Radiodiagnosis, AIIMS Bathinda, organized a Radiology-oriented CME - 'Gyan Lal CME' in collaboration with Punjab State Chapter IRIA/ICRI in March 2025, in which faculty actively participated as Organizing Chairperson and Team Members. This event proved particularly successful for our Junior Residents, four of whom excelled and won numerous awards: 1st prize in the state-level Resident Quiz, 1st and 2nd prizes in poster presentations, and 2nd prize in the oral paper presentation.



The Department of Radiodiagnosis, AIIMS Bathinda, organized a 'Resident Teaching Program' under the aegis of IRIA-ICRI Teaching Program in October 2024, in which a Lecture was delivered on "Imaging of Bone Tumors" by eminent speaker and Radiologist Dr. Mahesh Parkash from PGI, CHD. It was an interactive session and attended by all the residents (JRs and SRs) of the Radiodiagnosis Department.



DEPARTMENT OF SURGICAL ONCOLOGY

Name of the Department	Surgical Oncology
Head of the Department	Dr. Nikhil Garg

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Nikhil Garg	Associate Professor	0711/2019

II. Brief Introduction of the department:

III. Patient care:

For departments engaged in clinical patient care:

Sl No	Category	Number
1.	Patients seen in OPD	6672
2.	Patients admitted in IPD	1581
3.	Teleconsultations	0
4.	Procedures performed A. Major B. Minor	289 +700 (A+B) TOTAL = 989
5.	Any other special clinic/activity	-



DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Name of the Department	Surgical Gastroenterology
Head of the Department	Dr Gourav Kaushal

I. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr Gourav Kaushal	Associate Professor	7 September 2021
2.	Dr Kaushal Singh Rathore	Assistant Professor	05 May 2025

II. Brief Introduction of the department:

The department specialises in complex abdominal surgeries, including luminal gastrointestinal, hepatobiliary, and pancreatic procedures. Gastrointestinal oncology constitutes a core focus area, accounting for approximately 55-60% of cases managed within the department. Particular emphasis is placed on minimally invasive (laparoscopic) surgery and the treatment of gastrointestinal cancers. The faculty possesses significant expertise in complex laparoscopic procedures, which are preferred for the majority of both benign and malignant conditions.

The department aspires to become a centre of excellence for laparoscopic surgery and is committed to advancing safe laparoscopic training for surgeons across Punjab and neighbouring states. Ongoing collaboration with surgeons and gastroenterologists in adjacent regions ensures adherence to safe surgical practices and facilitates timely referral of patients requiring specialised care. As a result, the department is increasingly recognised as the preferred centre for managing complicated surgeries and addressing complications from procedures performed elsewhere.

In addition, comprehensive care for digestive diseases is provided through integrated services that encompass Surgical and Medical Gastroenterology, dietetics and nutrition, stoma care, and patient counselling. Over the past year, the department has performed more than 270 major or supra-major surgeries, more than 550 endoscopies and more than 650 fibro scans. The recent introduction of laparoscopic liver surgeries places the department among a select group of centres nationally capable of offering such advanced procedures via a minimally invasive approach. It has also established itself as a high-volume centre for liver, biliary, and pancreatic surgeries, attracting referrals from surrounding states.

The prestigious M.Ch. super-specialty programme in Surgical Gastroenterology commenced with the induction of its first resident in the May 2025 session. Faculty members are actively engaged in research and co-supervise numerous postgraduate theses.

IV. Patient care: For departments engaged in clinical patient care:

SI No	Category	Number
1.	Patients seen in OPD	5836
2.	Patients admitted in IPD	281
3.	Teleconsultations	Nil
4.	Procedures performed: Major	274
5.	Endoscopies	555
6.	Fibroscan	660

IV. Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organized by
International conferences				
1	Dr. Gourav kaushal	Cystic neoplasms of pancreas	HPB surgery certificate course held at national academy of	Nepal association of surgical



			medical sciences, Bir Hospital, Kathmandu, Nepal from 23-27 October 2024.	gastroenterology and IHPBA India
2	Dr. Gourav kaushal	Post pancreatectomy complications	HPB surgery certificate course held at national academy of medical sciences, Bir Hospital, Kathmandu, Nepal from 23-27 October 2024.	Nepal association of surgical gastroenterology and IHPBA India
National conferences				
4	Dr Gourav Kaushal	Management of locally advanced and metastasis pancreatic neuroendocrine tumors	20 th annual national conference of International hepato-pancreato-biliary association (IHPBA) held from 4-7 April 2024 at Puducherry India.	JIPMER Puducherry
5	Dr Gourav Kaushal	Chairperson- session on pancreatic surgeries and jury for poster evaluation	21 st annual national conference of International hepato-pancreato-biliary association (IHPBA) held at Kolkata from 20-23 March 2025	IHPBA India and manipal hospitals kolkata

X. Papers and Books/chapters published by the department:

Research papers

1. Kapatia G, Jindal A, Kaushal G, Soni A, Rana MK. **Case of Undifferentiated Carcinoma with Osteoclast-like Giant Cells Associated with a Mucinous Cystic Neoplasm of the Pancreas: A Diagnostic Conundrum.** Korean J Gastroenterol 2024;84: 128-131. <https://doi.org/10.4166/kjg.2024.059>
2. Goyal A, Mathew A, Joseph P, Kaushal G, Rakesh NR, Dhar P. Reconstructive techniques following low anterior resection for carcinoma of the rectum. Minerva Surg. 2024 Feb;79(1): 59-72. doi: 10.23736/S2724-5691.23.10115-8. PMID: 38381031.
3. Peer S, Bajaj M, Bhagat T, Raina R, Kaushal G. Sequential Aspiration and injection of a Mixture of gelatin-based hemostatic agent and autologous blood clot followed by suture coiling for Effective Embolization of splenic artery pseudoaneurysm by interventional Radiologist (SAMEER): Description of a novel technique. Radiol Case Rep. 2025 Mar 29;20(6): 3024-3030. doi: 10.1016/j.radcr.2025.03.006. PMID: 40230714; PMCID: PMC11994322.

Book/Book chapter:

- 13) i10 index- 5
- 14) H index- 5

X. Other important Highlights with relevant photographs of the department:

1. CME on "gall bladder cancer" conducted on 28th February at Hotel Stella, Bathinda.

XI. Number of Thesis Supervised MD/MS* 5 Co-supervisor (ongoing); One completed

XII. Any other achievements in number*

- Performed many highly complex G.I. surgical procedures for the first time in the Institute and this region eg, liver resections, esophagectomy, shunt surgeries for portal hypertension, and advanced laparoscopic surgeries like colectomy and esophagectomy.
- started laparoscopic liver resections - first in the institute and in this region
- Initiated endoscopy services to offer comprehensive digestive disease care



DEPARTMENT OF TRANSFUSION MEDICINE AND BLOOD BANK

Name of the Department	Transfusion Medicine and Blood Bank
Head of the Department	Dr. Sirat Kaur

I. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr. Sirat Kaur	Associate Professor	13/08/2021

II. Brief Introduction of the department:

The Department of Transfusion Medicine aims to provide safe, adequate and accessible supply of quality blood components and therapeutic services round the clock to the needy patients of Punjab and adjoining states. It has state-of-the-art equipment and technologies for blood collection, processing, testing and provides best therapeutic facilities with high quality standards. We aim to train and provide quality education to the students using best teaching methodologies, to conduct the highest quality, novel and innovative research in the field of transfusion medicine and cellular therapies and motivate, encourage and recruit non-remunerated voluntary blood donors in the region.

X. Patient care Data:

S No.	Category/ Name of test	Number
1.	Blood Group	10283
2.	Indirect Coombs Test	5612
3.	Direct Coombs Test	3480
4.	Differential DAT	126
5.	Antibody Screening and Identification	1081
6.	ABO Titre	28
7.	Rh Titre	436
8.	Blood Donations(Replacement+Voluntary)	12823

X. Research activities undertaken in the department:

SI No	Name & designation of PI	Title of the project	Source of Support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
Projects submitted					
1	Sunil Kumar Singh Associate Professor, Central University of Punjab	Development of electrochemical waste multiplex POCD for assessment of platelet quality.	DST	Ongoing	Less than 50 lakhs

XI. Papers and Books/chapters published by the department:

Original article - has been sent for publication

From screening to safety: Addressing donor deferral practices for a safer blood supply

By Dr. Richa Mishra – Senior Resident

Corresponding author- Dr. Sirat

XII. Key Highlights and Departmental Activities:

Asian Association of Transfusion Medicine (AATM) Nurses Day Training program- Lectures prepared and submitted for Hemovigilance nurses training course

XIII. Other Notable Achievements (in numbers): *

Total number of Blood Donation camps: 28





DEPARTMENT OF UROLOGY & RENAL TRANSPLANTATION

Name of the Department	Urology & Renal Transplantation
Head of the Department	Dr Kawaljit Singh

I. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Kawaljit Singh	Associate Professor & Head	6/11/2019
2	Dr Suresh Goyal	Assistant Professor	20/01/2023
3	Dr Abhay Gaur	Assistant Professor	31/01/2024

I. Brief Introduction of the Department:

The Department of Urology & Renal Transplantation at AIIMS Bathinda is dedicated to delivering comprehensive, evidence-based care in the diagnosis & management of urological disorders. Equipped with all facilities & guided by a team of skilled faculty. The department provides outpatient (OPD), inpatient (IPD), surgical (OT) & emergency services

Services Available in the department:

1. **Outpatient department (OPD):** -All Urological Cancers, Kidney, Ureter, and Urinary Bladder Stones, Urinary Tract Infections (UTIs), Stricture Urethra, Neurological Disorders of Bladder, Urinary Tract Trauma, Female Urological disorders, Paediatric Urological disorders, Neuro-urology and Renal Transplantation.
2. **Specialty Clinics/ services (Diagnostic and/or Therapeutic):** Infertility Clinic, Stone Clinic, Oncology Clinic, Sexual Health Clinic and Hypospadias Clinic.
3. **Procedures (Diagnostic and/or Therapeutic) offered by the department:** Uroflowmetry, Urodynamic Studies, Extracorporeal Shock Wave Lithotripsy (ESWL) and Office-Based Cystoscopy with locally based minor urological procedures.

II. Patient care Data:

Sl No	Category	Number
1.	Patients seen in OPD	26518
2.	Patients admitted in IPD	1460
3.	Teleconsultations	-
4.	Procedures performed	1397
	A. Major	517
	B. Minor	880
5.	Any other special clinic/activity	500

OPD Diagnostic Tests:

Sl No	Category/Name of test	Number
1.	Uroflowmetry	2296
2	Urodynamic Study	173
3	ESWL	342
4.	TRUS guided Prostate Biopsy	50

IV. Academic Activities: Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by



International conferences				
1	Dr Kawaljit Singh	Presented a talk on Upskilling Allied Health Workers for International Opportunities	Société Internationale d'Urologie (SIU)	Canada based Urological Society with 139 countries as its members.
National conferences				
2	Dr Kawaljit Singh	Expression analysis of epigenetic modifiers, LSD2 and SMYD1 and their prognostic significance in prostate cancer	USICON 2024: National Conference of Urological Society of India at Chennai; 9-12 th January 2025	Urological Society of India
3	Dr Kawaljit Singh	Expression analysis of (LSD2 and SMYD1) modifiers in urinary bladder cancer and their prognostic implication	North Zone Chapter of Urological Society of India Conference, 29/30 th Nov & 1 st Dec 2024 at Gurgaon.	North Zone Chapter of Urological Society of India
4	Dr Kawaljit Singh	To study the correlation between stress, depression and anxiety with male infertility	North Zone Chapter of Urological Society of India Conference, 29/30 th Nov & 1 st Dec 2024 at Gurgaon.	North Zone Chapter of Urological Society of India
5	Dr.Kawaljit Singh	Renal cell carcinoma in nephrectomy specimen for non functional kidney with renal stone: an eye opener	North Zone Chapter of Urological Society of India Conference, 29/30 th Nov & 1 st Dec 2024 at Gurgaon.	North Zone Chapter of Urological Society of India
6	Dr.Kawaljit Singh	Malpositioned DJ stent into colon through a nephrocolic fistula	North Zone Chapter of Urological Society of India Conference, 29/30 th Nov & 1 st Dec 2024 at Gurgaon.	North Zone Chapter of Urological Society of India
5	Dr S K Goyal	Successful management of thrombed brachiocephalic fistula in an adolescent	KT-CON 2024, October 18-20, 2025 at Bhubneshwar	Urological Society of India
6	Dr S K Goyal	A rare case of neuroendocrine tumour of kidney: successfully managed by en-bloc resection (radical nephrectomy with distal pancreatectomy and splenectomy, and colectomy)	URONCOCON 25-26 MAY 2024 at Ahmedabad	Urological Society of India

XIV. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organiser
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1.	Dr Kawaljit Singh	Future of Health care (Aarogya Bhushan Award) 2024.	This award was given to me for having brought down the average cost of a Kidney Transplant from 15 lac to less than 1 lac at AIIMS Bathinda.	Re-Think India, an eminent NGO working for social causes.
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XV. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Kawaljit Singh	Clinical Efficacy of Tamsulosin and Soloifenacin Combination vs Mirabegron and Silodosin Combination in Double J Ureteral Stent Related Symptoms ; A Randomised Controlled Trial	M.Ch. Thesis	Ongoing	Nil
2	Dr Kawaljit Singh	Outcomes of Ventral Inlay Buccal Mucosal graft urethroplasty vs Dorsal Onlay Graft Urethroplasty in Female Urethral Stricture disease: A Randomized Control Trial	M.Ch. Thesis	Ongoing	Nil
3	Dr Kawaljit Singh	Exploring the Role of microRNAs in Bladder Cancer ; Insights into Mechanisms & Therapeutic Applications	PhD Thesis in collaboration with the Central University of Punjab.	Ongoing	Nil
4	Dr Kawaljit Singh	To study the association between expression of NLRP3 inflammasome Pathway components & tumor aggressiveness in Renal Cell Carcinoma	PhD Thesis in collaboration with the Central University of Punjab.	Ongoing	Nil
5	Dr Kawaljit Singh	“Expression Analysis of Epigenetic modifiers, LSD2 (Histone demethylase) and SMYD1 (Histone methyltransferase) and Its Prognostic Significance in Prostate Cancer”	M.Sc. Thesis in collaboration with the Central University of Punjab.	Ongoing	Nil
6	Dr Kawaljit Singh	“Expression analysis of epigenetic modifiers (LSD2 and SMYD1) in Urinary bladder cancer and their prognostic implications”	M.Sc. Thesis in collaboration with the Central	Ongoing	Nil



			University of Punjab.		
7	Dr Kawaljit Singh	To Study the Correlation between Stress, Depression and Anxiety with Male Infertility	M.Sc. Thesis in collaboration with the Central University of Punjab.	Ongoing	Nil
8	Dr S K Goyal	Complementary & alternative (CAM) in Urolithiasis; usage patterns, promoting factors, & its outcome in patients from northern india- A Cross – Sectional study	Nil	Ongoing	Nil

XVI. Papers and Books/chapters published by the department:

Please provide one comprehensive list of the entire department, and avoid duplication.

Faculty Name	Research papers	Book Chapter	Citations	i10 Index	H Index
Dr Kawaljit Singh	1	Nil	305	6	8
Dr Suresh Goyal		Nil		0	4
Dr Abhay Gaur	1	Nil	56	0	5

Dr Kawaljit Singh: Editor of National Medicos Organization Journal (PubMed Indexed): ISSN: 2348-3806/ Online ISSN: 2950-5933/ Frequency: 2 issues.

XVII. Key Highlights and Departmental Activities:

Renal Transplantation Program: A Landmark Achievement: We are proud to announce the successful initiation of the Renal Transplantation Program at AIIMS Bathinda.

The first live-related renal transplant was conducted on **06th March 2025**, marking a significant milestone in the institute's journey toward providing comprehensive tertiary care in Urology and Nephrology.

This achievement is the result of dedicated efforts by a multidisciplinary team comprising the Departments of Urology, Nephrology, Anesthesiology, and Nursing Services, along with the support of the administrative leadership. The successful transplantation reflects our institute's commitment to clinical excellence, teamwork, and patient-centered care.

This pioneering step not only brings new hope to patients suffering from end-stage renal disease in the region but also reinforces AIIMS Bathinda's role as a leading center for advanced medical care in Northern India.

XVIII. Thesis Supervised (MD/MS): *

- Dr Kawaljit Singh: 1 (Supervisor: 2 M.Ch Urology Co-Supervisor in Thesis & 2 PhD Thesis, Co-Supervisor in 3 M.Sc Thesis)
- Dr Suresh Goyal: 1 (Supervisor: MS Thesis)
- Dr Abhay Gaur: 1 (Co-supervisor: M.Ch Thesis).

XIX. Other Notable Achievements (in numbers): *

1. **Department of Urology** was part of a high-level delegation consisting of the officials of the **National Skill Development Corporation (NSDC)**, the **Ministry of Skill Development and Entrepreneurship, Govt. of India**, the **Vice Chancellor of Baba Farid University of Health Sciences**, and **Indian Nursing Council officials** to London to participate in **India-UK Care Sector Roundtable Discussion** to celebrate the recent India-UK Care Sector Partnership, and to solve the pressing workforce challenges in the UK Care Sector. This paved the way for starting the **Unique Care Worker/Midwifery Diploma** for 12th-pass candidates, enabling them to secure placements in the UK. **(Picture Urology/07)**.
2. **Department of Urology** represented AIIMS Bathinda under the guidance of President Prof. A K Gupta in the National Summit jointly organized by National Skill Development Corporation under the aegis of NITI AAYOG with prof VK Paul as the chief Guest and Dr. Atul Goel, DGHS as the Guest of Honour. This event brought together 55 Vice Chancellors of state & Private health Universities as well as the Directors of all AIIMS. The Theme was to deliberate on **Transforming the Future of Healthcare Education & Workforce**. **(Picture Urology/04)**
3. **Department of Urology** has actively contributed to public health care awareness by FM radio, Doordarshan & Social Media for better medical outreach for patients and the general public.



Urology & Nephrology Department with SGPGI Lucknow team after the first live Renal Transplantation



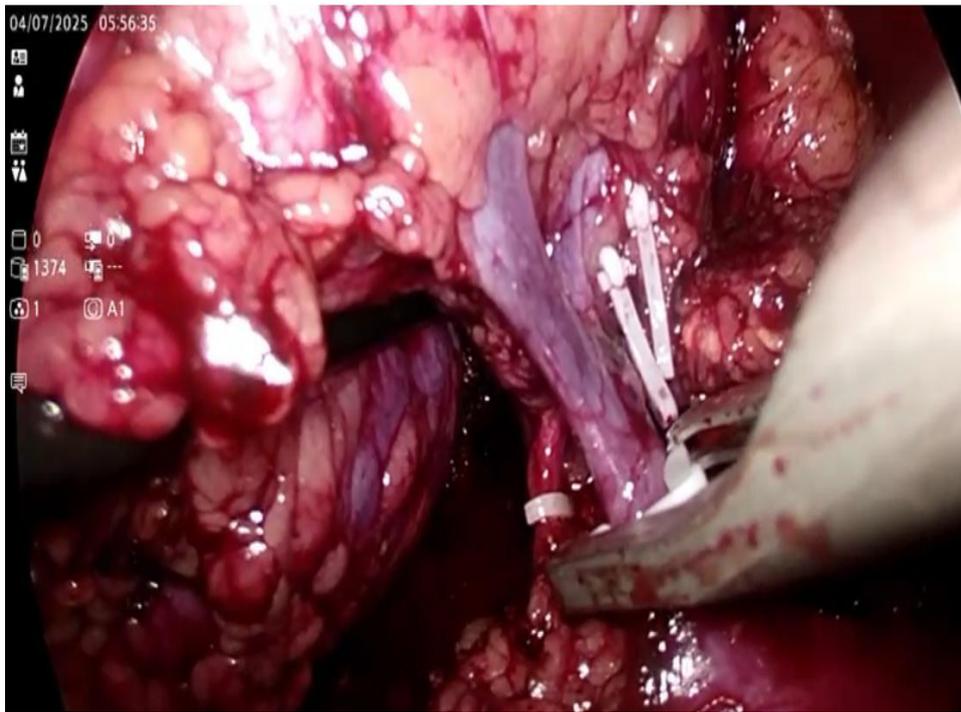
Department of Urology and Nephrology



Facilitation of SGPGIMS, Lucknow, Team after successful first Live Renal Transplant By MS Sir & Urology department



Notable Surgeries: in department of Urology and Renal Transplant: Female Buccal Mucosal Graft Urethroplasty



Laparoscopic Surgeries at Department of Urology



Dr. Kawaljit Singh: Represented AIIMS Bathinda under the guidance of President Prof. A K Gupta in the National Summit jointly organized by National Skill Development Corporation under the aegis of NITI AAYOG with prof VK Paul as the chief Guest and Dr. Atul Goel, DGHS as the Guest of Honour. This event brought together 55 Vice Chancellors of state & Private health Universities as well as the Directors of all





AIIMS. The Theme was to deliberate on Transforming the Future of Healthcare Education & Workforce.

Dr Kawaljit Singh: was part of a high-level delegation consisting of the officials of the National Skill Development Corporation (NSDC), the Ministry of Skill Development and Entrepreneurship, Govt. of India, the Vice Chancellor of Baba Farid University of Health Sciences, and Indian Nursing Council officials to London to participate in India-UK Care Sector Roundtable Discussion



INSTITUTE OF NURSING EDUCATION & RESEARCH

Name of the Department	Institute of Nursing Education & Research
Head of the Department	Prof (Dr.) Kamlesh. Kumari Sharma

Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr. Narinder Kaur Walia	Associate Professor	6 th October 2021
2.	Mrs. Navjot Kaur	Associate Professor	16 th January 2024
3.	Dr. Simarjeet Kaur	Assistant Professor	8 th October 2021
4.	Mr. Atul Sharma	Assistant Professor	14 th October 2021
5.	Mrs. Nagdeep Kaur	Assistant Professor	5 th October 2021

Details of Nursing Tutors:

S.no	Name	Designation	Date of Joining
1.	Ms. Tanya Gandhi	Nursing Tutor	27.04.2024
2.	Mrs. Shelly	Nursing Tutor	28.05.2024
3.	Mr. Deepender Bishnoi	Nursing Tutor	12.04.2024
4.	Mr. Pardeep Kumar	Nursing Tutor	16.04.2024
5.	Ms. Priyanka Bhati	Nursing Tutor	05.04.2024
6.	Mrs. Raveena	Nursing Tutor	03.04.2024

Brief Introduction of the department:

Institute of Nursing Education and Research (INER), AIIMS Bathinda has been established in 2021 to become a centre of excellence in the field of Nursing Education and Research in India. The first batch of B.Sc. Hons Nursing has been started from 1st March 2021 with intake of 60 students and now 4rd Batch of B.Sc. Hons is going to join this institute in the month of August, 2024. At present, INER has strength of total 152 students.

Mission of the Nursing College is:

- To develop the centre of excellence in nursing education and research which will provide Quality educational programs which are evidence based and encourages innovations to improve patient care.
- To aspire to be a model of excellence through dynamic programmes, innovative practices and research.
- To prepare extraordinary healthcare professionals who will work in the hospital and community with dedication, devotion, compassion and kindness and will transform the health of people worldwide.
- To declare the values and goals of nursing career.

Teaching: Faculty was engaged in various teaching activities from April 2023 to 31st March 2024:

- Classroom teaching and clinical/field supervision of BSc (Hons) Nursing programme
- Induction classes of Nursing Officers (New Joinees)
- On-going In-service education programme for nursing officers viz. workshops etc
- Conducted National workshops and symposia/seminar

Patient related services

Patient care: In order to ensure quality care to be provided to the patients by Nursing Officers in different wards and OPD's of AIIMS Bathinda, regular Rounds are being conducted by nursing faculty throughout the year. Since February 2023, overall charge of nursing services is being managed by the Professor cum Principal assisted by Nursing Faculty, Institute of Nursing Education and Research (INER).



In addition, regular in-service education and capacity building programme is being organized by selected nursing officers under the guidance of INER faculty.

Throughout the year student nurses are engaged in patient care under the supervision of nursing faculty and respective area nursing officers.

Lectures delivered/papers presented by the faculty members in academic programs/conferences of national/International repute:

programs/conferences of national/International repute:

Faculty Name	Title/Topic	Details of the Event	Organised by
National conferences			
Prof (Dr) Kamlesh Kumari Sharma, Professor-cum-Principal	Integration of Nursing Education and Nursing Services, on topic “Deliberation on Integrated Nursing Services Model application in INI: - Innovation and way forward”	Organised by All India Institute of Medical Sciences-Bilaspur Himachal dated 15/05/2024	Virtual
	keynote address on the topic “Importance of Research in Nursing”	6th Annual North Zone Conference of Nursing Research Society of India (NRSI) 2024 on Advancing Nursing Science: Research Methodologies is being organized at the Government College of Nursing, Nerchowk, Mandi Dtd September 20 th ,2024	Government College of Nursing, Nerchowk, Mandi, Himachal Pradesh
	Speaker: Need for Continuing Nursing Education & Training in Diabetes Mellitus	INSULIN WORKSHOP: A step towards better healthcare (Nursing Education Program) organized by Department of Endocrinology in collaboration with Institute of Nursing Education Research & Department of Dietetics held on 24th & 29th October 2024	AIIMS Bathinda
	Guest speaker: Strengthening Public health nursing education for a digital era-with simulation based learning	5 th national conference of Public Health Education, research and Empowerment (SPHERE) organized by SGT University, Gurugram Haryana dtd 13-14 December 2024	SGT university, Gurugram
	Achieving safe therapeutic environment: A focus on improving nursing practices	Workshop under the MoHFW Scheme- Development of Nursing Services. The Theme of the workshop was “Patient Safety: Ensuring Excellence, Preventing Harm” dtd 17dec-23 rd dec 2025	AIIMS Bathinda



	WHO Safe Childbirth Checklist	Workshop under the MoHFW Scheme- Development of Nursing Services. The Theme of the workshop was “Patient Safety: Ensuring Excellence, Preventing Harm” dtd 17dec-23 rd dec 2025	AIIMS Bathinda
	Role of leadership in effective communication in healthcare setting	Workshop under the MoHFW Scheme- Development of Nursing Services. The Theme of the workshop was “Patient Safety: Ensuring Excellence, Preventing Harm” dtd 17dec-23 rd dec 2025	AIIMS Bathinda
	Disaster associated Health Issues	Workshop under the MoHFW Scheme- Development of Nursing Services. The Theme of the workshop is “ Disaster management: Preparedness and response ” dtd 13-19Feb 2025	AIIMS Bathinda
	Ayushman Bharat- Intensified Screening Of Non Communicable Diseases	Workshop under the MoHFW Scheme- Development of Nursing Services. The Theme of the workshop is “ Emerging and Re-emerging Diseases ” from 4 th -10 th March 2025	AIIMS Bathinda
	Speaker Overview of TEF surgery	CNE on esophageal atresia and Tracheoesophageal Fistula, theme: Enhancing Perioperative Nursing Care for Neonates undergoing TEF surgery organised by INER in collaboration with department of Pediatric surgery 21.03.2025	AIIMS Bathinda
	Organised CNE		
	<p>Organised: SPNCON2024 (2day conference and 5 workshops:</p> <ul style="list-style-type: none"> • Adult basic airway management • Adult advance airway management • Crash cart and defibrillation • Simulation on surgical safety checklist <p>Suturing & VAC/NPWT of wound</p>	organized by Institute of Nursing Education and Research (INER), AIIMS Bathinda from 17 to 19 May, 2024 on the theme “Excellence in Peri-operative Nursing Practices: Establishing culture of safety” in collaboration with Society of Peri-operative Nursing-India via hybrid mode National conference: Society of Perioperative Nursing Conference, SPNCON 2024; Theme: Excellence in Peri operative Nursing Practices: Establishing culture of safety organised by Institute of Nursing	AIIMS Bathinda



		Education And Research , INER in collaboration with Society of Peri-operative Nursing (SPN) India ; May 17-19, 2024	
	Organised: International Nurses week 2024: Symposium on "Our Nurses. Our Future. The Economic Power of Care"	Weeklong activities including Symposium, Pencil sketching, Quizz, stone painting, Essay writing and Extempore, Sports competitions etc	INER, AIIMS Bathinda from 6 th May to 12 th May 2025
	Organised: CNE on COPD	Organized CNE on COPD dated 18/011/2024	AIIMS Bathinda
	Co-organised Insulin Workshop: A step towards better healthcare (Nursing Education Program)	Organized by Department of Endocrinology in collaboration with Institute of Nursing Education Research & Department of Dietetics on 24 and 29th Oct 2024	AIIMS Bathinda
	Co-organised End of Life Nursing Education Consortium (ELNEC) training	Organized in collaboration with Department of Anaesthesiology sponsored by CIPLA and ICMR wef 29th Nov to 1st Dec 2024	AIIMS Bathinda
	Co-organised: International Day of Persons with disability	International Day of Persons with disability organized by Department of Psychiatry and INER dtd 3 rd Dec 2024	
	Organised as hub: series of Webinars on Diagnosis and Management of Breast Cancer	Cancer Mukh Bharat (CMB) ECHO program for Nurses in Punjab over 3 months Wef 10.12.2024 to Feb2025	Virtual
	Coordinated a 7 Day Workshop on The Theme: "Patient Safety: Ensuring Excellence, Preventing Harm"	Workshop sponsored by MoHFW (Scheme)- Development of Nursing Services. organized by INER AIIMS Bathinda w.e.f 17dec-23rd dec 2024.	AIIMS Bathinda
	Coordinated a 7 Day Workshop on the Theme: "Disaster management: Preparedness and response"	Workshop under the MoHFW Scheme- Development of Nursing Services. organized by INER AIIMS Bathinda w.e.f 13-19 Feb 2025.	AIIMS Bathinda
	Coordinated a 7 Day on the Theme: "Emerging and Re-emerging Diseases"	Workshop under the MoHFW Scheme- Development of Nursing Services." organized by INER AIIMS Bathinda w.e.f 4th to 10th March 2025.	AIIMS Bathinda
	Co-organised CNE on esophageal atresia	Co-organised by INER in collaboration with department	AIIMS Bathinda



	and Tracheoesophageal Fistula	of Pediatric surgery on 21.03.2025 alongside the CME. Theme: Enhancing Perioperative Nursing Care for Neonates undergoing TEF surgery	
	Local coordinator for IRCF BCLS and CCLS Workshop for Nurses and Paramedics	33rd Annual National and 4th International Conference of the Research Society of Anaesthesiology Clinical Pharmacology (RSACP) held at AIIMS Bathinda on 29-30 th March 2025	AIIMS Bathinda
International conferences: Chairperson/ Panelist			
	Chairperson: Topic: Models of collaboration: Collaboration with multidisciplinary team in recovery from Behavioral Addiction	3rd. International Conference on "Partnership and collaborative-work for Nursing practitioners: in managing Behavioural Addiction and Substance Use Disorders". Dtd 7th Nov2024	organized by the LGBRIMH, Tezpur, Assam, IHBAS, Delhi, AZINA, Arizona, USA and ABD&SUD-Care Group ABD&SUD-Care Group
National conferences: Chairperson/ Panelist			
	Chairperson: Plenary session II: Navigating challenges and Enhancing care safety in the Perioperative environment	National conference: Society of Perioperative Nursing Conference, SPNCON 2024 ; Theme: Excellence in Peri operative Nursing Practices: Establishing culture of safety organised by INSTITUTE OF NURSING EDUCATION AND RESEARCH , INER in collaboration with Society of Peri-operative Nursing (SPN) India ; May 17-19, 2024	AIIMS Bathinda
	Panelist: Topic: Artificial Intelligence Tools For Optimization Of Nursing Research	10 th National webinar by Clinical Nursing research society -North Zone dtd 28.10 2024	Virtual
	Panelist: Panel discussion on diagnosis and management of COPD	Organized by Dept of Pulmonology, AIIMS Bathinda dtd 20/11/2024	AIIMS Bathinda
	As Panelist: Topic-Mastering Research: Live Demonstration of Advanced Literature Search with Boolean Operators & Efficient	11th Webinar hosted by CNRS-North Zone	Virtual



	Referencing with Mendeley.		
	Panelist/Jury: CNRS- All India Outstanding Research Awards for Nurses (PhD category)	organized by Clinical Nursing Research Society (North Zone) dtd 9 th Jan 2025.	Online
	Chairperson: Plenary session II Digitalization in Public Health to achieve Universal health Coverage: Govt initiatives	5th national conference of Public Health Education, research and Empowerment (SPHERE) organized by SGT University, Gurugram Haryana. dtd 13-14 December 2024	SGT university, Gurugram
	Panellist for webinar – Quality improvement in health care	Monthly Webinar organised by Clinical nurses research society (CNRS) North zone dtd 28/02/2025	Virtual
Dr. Narinder Kaur Walia: Associate Professor (2024-25)	Chairperson for a session: Oesophageal atresia and Tracheoesophageal Fistula	CNE on theme: Enhancing Perioperative Nursing Care for Neonates undergoing TEF surgery organised by INER in collaboration with department of Pediatric surgery 21.03.2025	AIIMS Bathinda
	As Organizing team member		
	Excellence in peri-operative nursing practices: Establishing culture of safety simulation on surgical safety checklist	National conference SPCON 2024, 17-19 May 2024 Under the aegis of society of perioperative Nursing (SPN) India	INER, AIIMS Bathinda on 18 th & 19 th May, 2024
	As Chairperson		
	Advancing Nursing Sciences: Research Methodology	6 th Annual North Zone Competition, NRSI	Govt. Nursing College and Hospital at Atal Medical and Research Institute, Mandi, Himachal Pradesh On Sept 20 and 21, 2024
	4 th PGIMER National Critical Care Nursing	Conference organized by Society for Critical Care Nursing NCNCON-2025	Bhargava Auditorium, PGIMER, Chandigarh on Feb 14 and 15, 2025
	Overview of Tracheoesophageal Fistula Chaired Session, Oesophageal Atresia and	EAT 2025, Under the Theme- "Enhancing Perioperative Nursing Care for Neonates Undergoing Surgery.	AIIMS Bathinda on 21 st March 2025.



	tracheoesophageal Fistula		
	As resource Person		
	Diagnostic errors	World Patient safety week	AIIMS Bathinda on 11-17 th September 2024
	Diagnosis and Management of Breast Cancer	CMB ECHO training Program for Nurses in Punjab	AIIMS Bathinda and ECHO India on 10 Dec 2024
	Ensuring, preventing Harm Prevention and Management of SSI and Central Line associated Blood Stream infection (CLABSI). 1. Ethical and Legal consideration and diagnostic safety 2. Prevention and management of transfusion practices.	7 days' workshop on patient Safety under the scheme "Development of Nursing Services," Ministry of health and family welfare	INER, AIIMS Bathinda on Dec 17- Dec 23 ,2024
Webinars: As Resource Person			
	surgical management of Breast cancer, for Nursing officers of Punjab State	1. Webinar on Breast cancer patients in collaboration with ECHO India. 2. Radiotherapy and chemotherapy in Breast cancer for Nursing officers of Punjab State	INER, AIIMS Bathinda on 7 th Jan 2025 AIIMS Bathinda on 21 st Jan 2025
	Epidemiological determinants magnitude of HIV, Hepatitis and Diarrhoeal Diseases	under the scheme "Development of Nursing Services," Ministry of health and family welfare from 4th March to 10th March 2025	INER, AIIMS Bathinda on 6 th March 2025
	Epidemiological determinants magnitude of CVA, Cardiovascular diseases	Bathinda under the scheme "Development of Nursing Services," Ministry of health and family welfare from 4 th March to 10 th March 2025	INER, AIIMS Bathinda on 7 th March 2025
	Importance of Team work in Nursing	Delivered lecture cum discussion for Nursing students and faculty	Ambika CON, Mohali on 8 th March 2025
Mrs.Navjot Kaur: Associate Professor (2024-25)			
	Workshop/ conferences organized: Society of peri-operative Nursing	National Conference as a joint secretary and Elected as Executive member of Society of Peri-operative Nurses -India	INER, AIIMS Bathinda from 17 th to 19 th May 2024
	Disaster Management	Workshop as a Co-coordinator on Disaster Management	INER, AIIMS Bathinda from 13 th to 19 th Feb, 2025



	Resource person or faculty		
	“Emerging and Re-emerging Diseases workshop”	Workshop as a resource person and organizing team member Under MoHFW	INER, AIIMS Bathinda from 4 th March to 10 th March 2025
	“Antimicrobial sensitivity testing & Anaphylaxis Management”	Workshop As a faculty member	Pharmacology, AIIMS Bathinda on 10 th September 2024
	“Patient safety Ensuring excellence, Prevent Harm”	Workshop as a resource person and organizing team member Under MoHFW	INER, AIIMS Bathinda from 17 th December to 23 rd December 2024
	EAT 2025	National Conference as a Resource person	Paediatric Surgery, AIIMS Bathinda on 21 st March, 2025
	" Breastfeeding: A key to unlocking optimal health"	Workshop as a Guest speaker (via virtual mode)	Chitkara University Himachal Pardesh, July 2024
Dr. Simarjeet Kaur: Assistant Professor (2024-25)	i) Epidemiology of mental health issues ii) overview of communicable and non-communicable diseases	As a resource person in 7 days' workshop on theme “Emerging & Re-emerging Diseases”	Organized by Institute of Nursing Education & Research AIIMS Bathinda under the scheme development of nursing services MoHFW, New Delhi on 04th – 10th March 2025
	WASH-Disaster preparedness & response	As a resource person in 7 days' workshop on theme “Disaster Management: Preparedness and response”	Organized by Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi on 13th – 19th February 2025.
	Biomedical Waste Management- Overview and Hands on session	As a resource person in 7 days' workshop on theme “Patient Safety: Ensuring Excellence, Preventing Harm”	Organized by Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi on 17th – 23rd December 2024.



	Role of Nurses in Prevention, awareness of Breast Cancer	Capacity building program for Nurses of Punjab under Cancer Mukta Bharat Abhiyan (3months duration: 18feb, 2025 onwards) on 'Diagnosis & Management of Breast Cancer.'	Organized by Institute of Nursing Education & Research AIIMS Bathinda in collaboration with iECHO India
Mr. Atul Sharma (Assistant Professor) (2024-25)	As a Organizing team member in Peri Operative Nursing Conference SPNCON 2024	Peri Operative Nursing Conference SPNCON 2024 on "Excellence in Peri-operative Nursing Practice – Establishing a culture of safety"	Institute of Nursing Education & Research (INER) AIIMS Bathinda on 17 th – 19 th May 2024.
	As a Organizer in 3 rd International (Virtual) Conference	International (Virtual) Conference on Partnership and collaborative work in managing Addictive behavioural disorders and substance use disorder organized	LGBRIMH, Tezpur, Assam, India and Arizona Indian Nurses Association (AZINA), USA. And SUD-Care Group, India on November 7 th – 8 th 2024.
	As an Organizer in 7 days' workshop	Workshop on theme "Patient Safety: Ensuring Excellence, Preventing Harm" on 17 th – 23 rd December 2024.	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi
	As an Organizer in 7 days' workshop	Workshop on theme "Disaster Management: Preparedness and response" on 13 th – 19 th February 2025.	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi
	As an Organizer in 7 days' workshop	Workshop on theme "Emerging & Re-emerging Diseases" on 04 th – 10 th March 2025	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi on 04 th – 10 th March 2025
	As guest lecturer on Emotional Intelligence (Emotional Intelligence Vs Social Intelligence Vs	Workshop on "Emotional Intelligence" Organized by College of Nursing AIIMS, Bilaspur & ECHO INDIA Collaboration session on Fri, 19 Apr 2024	College of Nursing AIIMS, Bilaspur & ECHO INDIA



	Intelligence Quotient (IQ) at		
	As a coordinator for workshop on title: crash cart & defibrillation on the occasion	“Society Peri Operative Nursing Conference” (SPNCON 2024) on theme: “Excellence in Peri-operative Nursing Practice – Establishing a culture of safety” held at Institute of Nursing Education & Research (INER) AIIMS Bathinda on 17th – 19th May 2024	Institute of Nursing Education & Research (INER) AIIMS Bathinda
	As a chairperson in 3rd International (Virtual) Conference on Partnership and collaborative work in managing Addictive behavioural disorders and substance use disorder	International (Virtual) Conference on Partnership and collaborative work in managing Addictive behavioural disorders and substance use disorder on November 7th - 8th 2024	LGBRIMH, Tezpur, Assam, India and Arizona Indian Nurses Association (AZINA), USA. And SUD-Care Group, India
	As a resource person in 7 days’ workshop on theme “Patient Safety: Ensuring Excellence, Preventing Harm”	Workshop on theme “Patient Safety: Ensuring Excellence, Preventing Harm” on 17th – 23rd December 2024.	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi.
	As a resource person in 7 days’ workshop on theme “Disaster Management: Preparedness and response”.	Workshop on theme “Disaster Management: Preparedness and response” on 13th – 19th February 2025.	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi
	As a resource person in 7 days’ workshop on theme “Emerging & Re-emerging Diseases”.	Workshop on theme “Emerging & Re-emerging Diseases” on 04th – 10th March 2025	Institute of Nursing Education & Research AIIMS Bathinda under the scheme – development of nursing services MoHFW, New Delhi on 04th – 10th March 2025
Mrs. Nagdeep Kaur, Assistant	As Chairperson		
	Esophageal Atresia and Tracheoesophageal Fistula	Attended as a Chairperson/judge for papers/posters-nursing. (EAT2025)	Paediatric Surgery, AIIMS Bathinda on 22nd March, 2025



Professor (2024-25)	Our Nurses our future: caring for Nurses strengthen economics	Nurses week celebration, Judged students activities: Pencil sketching, Essay writing and Extempore	INER, AIIMS Bathinda from 6 th May to 12 th May 2025
	As Resource Person		
	Nursing perspective on patient safety	Contributed as resource person on world Patient safety week	AIIMS Bathinda from 11-17 th September 2024
	Diabetes Patients	Contributed as resource person on Role of nurse in managing diabetes patients in Insulin workshop	Department of Endocrinology in collaboration with INER, AIIMS Bathinda from 24 th & 29 th October 2024.
	Ensuring, preventing Harm	As resource person of 7 days workshop on patient Safety under the scheme "Development of Nursing Services," Ministry of health and family welfare, for following topics: 1. Empowering patient & family. 2. Improve Diagnostic process 3. Risk control and management in obstetrics	INER, AIIMS Bathinda from 17 th Dec. to 23 rd Dec. 2024
	Transport of New born with TEF	EAT 2025 under the Theme- "Enhancing Perioperative Nursing Care for Neonates Undergoing Surgery	AIIMS Bathinda on 21 st March 2025
	Disaster management – Mitigation and risk reduction	As resource person of 7 days workshop under the scheme "Development of Nursing Services," Ministry of health and family welfare	INER, AIIMS Bathinda from 13 th February to 19 th February 2025.
	1) Role of Nurse in Drug Adherence in NCDs 2) Epidemiology of Common Cancers	As resource person of 7 days workshop under the scheme "Development of Nursing Services," Ministry of health and family welfare	INER, AIIMS Bathinda from 4 th March to 10 th March
Ms. Tanya Gandhi, Nursing Tutor/Clinical Instructor (2024-25)	Organizing team member		
		Co-coordinator: Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda
		Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda



		Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda
		Sensitization program on Intergenerational bonding February, 2025	Central University of Punjab, Bathinda
		International Nurses Day in May 2024	INER, AIIMS Bathinda
		Symposium- Our Nurses Our Future, Caring for Nurses Strengthens Economies in May 2025	INER, AIIMS Bathinda
		International Nurses Day in May 2025	INER, AIIMS Bathinda
		Diagnosis and management of Breast Cancer CCB ECHO program for Nurses in Punjab in December 2024	INER, AIIMS Bathinda and ECHO India
		Diagnosis and management of Breast Cancer CCB ECHO program for Nurses in Punjab in July 2025	INER, AIIMS Bathinda and ECHO India
As Resource Person			
	Speaker: Blood and its components, Role of nurse in safe transfusion practices, Safety bundles in obstetrics	Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda
	Speaker: Tele Communication and recent advances in disaster management	Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda
	Speaker: Pulmonary rehabilitation	Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda
	Speaker: Disease Evaluation: Screening and Diagnoses Breast Cancer	Diagnosis and management of Breast Cancer CCB ECHO program for Nurses in Punjab in December 2024	INER, AIIMS Bathinda and ECHO India
Mrs Shelly-Nursing Tutor (2024-25)	Speaker: Disease Evaluation: Screening and Diagnoses Breast Cancer	Diagnosis and management of Breast Cancer CCB ECHO program for Nurses in Punjab in July 2025	INER, AIIMS Bathinda and ECHO India
	Didactic lecture on other treatment modalities of breast cancer	Diagnosis and management of breast cancer on 27 th December	organized by the ECHO & INER



Mr. Deepender Bishnoi, Nursing Tutor/Clinical Instructor (2024-25)		Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda	
		Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda	
		Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda	
		International Nurses Day in May 2024	INER, AIIMS Bathinda	
		Symposium- Our Nurses Our Future, Caring for Nurses Strengthens Economies in May 2025	INER, AIIMS Bathinda	
		International Nurses Day in May 2025	INER, AIIMS Bathinda	
	As Resource Person			
	Speaker: Documents and reporting, followed by blood bank visit	Patient Safety: Ensuring Excellence, Preventing harm in December 2024	INER, AIIMS Bathinda	
	Speaker: India's vulnerability to disasters	Disaster Management: Preparedness and Response in February 2025	INER, AIIMS Bathinda	
	Speaker: Prevention and control of oral cancer: Recent advances	Emerging & Re-emerging Diseases in March 2025	INER, AIIMS Bathinda	
	Speaker: Diet and lifestyle modifications: NAFLD	Emerging & Re-emerging Diseases in March 2025	INER, AIIMS Bathinda	
	Mr. Pardeep Kumar, Nursing Tutor/Clinical Instructor (2024-25)		Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda
			Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda
		Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda	
		International Nurses Day in May 2024	INER, AIIMS Bathinda	
		Symposium- Our Nurses Our Future, Caring for Nurses Strengthens Economies in May 2025	INER, AIIMS Bathinda	
		International Nurses Day in May 2025	INER, AIIMS Bathinda	
Speaker: Role of effective communication &		Patient Safety: Ensuring Excellence, Preventing harm in December 2024	INER, AIIMS Bathinda	



	report in medical errors		
	Speaker: Dessecting communication barriers in health care	Patient Safety: Ensuring Excellence, Preventing harm in December 2024	INER, AIIMS Bathinda
	Speaker: Stress management strategies for disaster management team	Disaster Management: Preparedness and Response in February 2025	INER, AIIMS Bathinda
	Speaker: Mental health screening & Risk assignment	Emerging & Re-emerging Diseases in March 2025	INER, AIIMS Bathinda
Ms. Priyanka Bhati, Nursing Tutor/Clinical Instructor (2024-25)	As Organizer: Co-coordinator	Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda
		Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda
		Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda
		International Nurses Day in May 2024	INER, AIIMS Bathinda
		Symposium- Our Nurses Our Future, Caring for Nurses Strengthens Economies in May 2025	INER, AIIMS Bathinda
		International Nurses Day in May 2025	INER, AIIMS Bathinda
	As Resource Person		
	Speaker: 1.Prevention & Management of Catheter Associated Urinary Tract Infection (CAUTI) and Ventilator Associated Pneumonia (VAP) 2.Medication preparation & Administration- Practice (Hands on Session)	Patient Safety: Ensuring Excellence, Preventing harm in December, 2024	INER, AIIMS Bathinda
	Speaker: First Aid in Head injury and spinal injury- Hands on	Disaster management: Preparedness and response in February, 2025	INER, AIIMS Bathinda



	Speaker: Disease Burden & recent trends in VBD, TB & Rabies	Emerging and re-emerging diseases in March 2025	INER, AIIMS Bathinda
	Speaker: Adrenaline dose Preparation	Antimicrobial sensitivity testing and anaphylaxis management September 2024	Department of Pharmacology, AIIMS Bathinda
	Speaker: 1.CVP cannulation and monitoring Defibrillation 2.chest pain assessment and ECG interpretations 3.Immobilization 4.I.V fluid management 5.CPR for pregnant women 6.Osce-Truma	Training of trainers for Nurses National Emergency life Support July 2025	RAK CON in collaboration with government of India
Miss Raveena (Nursing-Tutor) (2024-25)	As Resource Person		
	As a Speaker on Environmental cleaning and disinfection	Workshop Under the Scheme - Development of Nursing Services MoHFW, New Delhi 17-12-24 to 23-12-24 Theme- "Patient Safety: Ensuring Excellence, Preventing Harm"	Institute of Nursing Education & Research (INER) AIIMS Bathinda on 18 th December 2024.
	As a Speaker Unsafe Transfusion Practices & its Consequences	Workshop Under the Scheme - Development of Nursing Services MoHFW, New Delhi 17-12-24 to 23-12-24 Theme- "Patient Safety: Ensuring Excellence, Preventing Harm"	Institute of Nursing Education & Research (INER) AIIMS Bathinda on 21 st December 2024.
	As a Speaker First Aid in fracture, dislocation & Sprains: Hands on	Workshop under the scheme- Development of Nursing Services MoHFW, New Delhi 13-02-2025 to 19-02-2025 Theme: Disaster Management: Preparedness and Response	Institute Of Nursing Education & Research AIIMS Bathinda on 18 th February, 2025.
	As a Speaker on Global Strategies for Prevention & Management of Malaria	Workshop under the scheme- Development of Nursing Services MoHFW, New Delhi 04-03-2025 to 10-03-2025 Theme: Emerging & Re-emerging Diseases	Institute Of Nursing Education & Research AIIMS Bathinda on 5 th March, 2025.

Faculty achievements –awards, honours etc



SI No	Name of faculty	Award/honour	Event	Organised by
1.	Prof (Dr.) Kamlesh. Kumari Sharma	Selection Committee Expert Member	Selection for nursing faculty/tutors in the department of nursing	Three institutes of national importance
2.		Vice president— Clinical nursing research society- north zone (CNRS- NZ)	Professional organization	CNRS, India
3.		External member in Board of Studies committee on Nursing courses	UG/PG nursing curriculum revision	MMU, Mullana, Ambala
4.		Special Member, Research Quality Committee (Nursing)	Evaluation of PhD cases (Reports, annual seminars, fresh registration)	BFUHS, Faridkot, Punjab
5.		Invited Chief guest	19 th Lamp Lighting ceremony for the B.Sc. Nursing 2024 batch students which on 25.03.2025	JIPMER Puducherry
6.		Research Degree Committee member	PhD thesis protocol presentation of PhD candidate on 28.05.2024 at GMC Patiala under BFUHS Punjab	Online & offline at Ludhiana organised by BFUHS
7.		Nominated as Regional Officer, NORCET	NORCET examination in September 2024 for the Punjab and its adjacent region	AIIMS Delhi
8.		Editorial board member	editorial/ reviewer board of the <i>International Journal of Nursing & Midwifery Research</i>	
9.	Dr. Simarjeet Kaur: Assistant Professor	1.Certified in 'Geriatric Medicine & Gerontology version IV) , Oct 2024	1.Certificate course in 'Geriatric Medicine & Gerontology (Version IV)	1.Khaja Bandawaz University & GSI, India
10.		2. TOT on Breast Cancer: Diagnosis & Management'	2.Cancer mukt bharat abhiyan , 8-9th Oct, 2024	2. ECHO, New Delhi
11.		3. Certificate course in Basics of Forensic Nursing	3. March –April 2025	3.INPAFNUS



V. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of Support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects funded					
1.	Dr. Kamlesh Kumari Sharma, Professor cum Principal (PI)	Collaborative project titled: "Functionality and utilization of Health and Wellness Centres and the user experience with their health services in rural areas of three states of northern India"	Indian council of Social Science Research, ICSSR for 2023-244 th Annual conference of	Completed	sanctioned: Rs.12,00000/-
Projects Non funded					
2.	Co-PI	Internet addiction and internet gaming disorder among adolescents in selected district of Punjab state: A cross sectional study	-	Completed	Self-Funded
3.	Co-PI	Stress and anxiety among the nursing personnel working in critical care units of selected tertiary care centers in Bathinda District, Punjab	-	Ongoing	Self-Funded
4.	PI	A cross-sectional study to assess the prevalence and determinants of exclusive breastfeeding among infants residing in rural and urban community of Bathinda district of Punjab		Ongoing	Self-Funded

Publications

S.no.	Publications	Indexing
Dr. Kamlesh Kumari Sharma		
1.	Negi M, Cecilia MS, Sharma KK, Thakar A, Srivastava SP. Psychosocial, physical problems and coping strategies of patients having long term/permanent tracheostomy. Discover Psychology. 2024 Nov 10;4(1): 171.	Indexed with DOAJ, ESCI and SCOPUS Impact factor: 4.8
2.	Rani B, Sinha AP, Sharma KK, Prasad BV, Srinivasan M, Biswas A. Perception of Social Support and Prevalence of Self-Reported Depressive Symptoms among Patients with Head-and-Neck Squamous Cell Carcinoma Treated at a Tertiary Cancer Centre in North India. Indian J Palliat Care. 2024;30: 336-41. doi: 10.25259/IJPC_56_2023	PubMed Central, SCOPUS, Emerging Sources Citation Index, Indian Science Abstracts, Scimago Journal Ranking



3.	Batra N, Sharma KK. Role of community health officers: opportunities and challenges. Int J Community Med Public Health 2025;12: 1557-63.	PubMed and PubMed Central (PMC) (NLM ID: 101711371
4.	Murry LL, Razdan G, Mary C, Sharma R, Thomas P, Sharma KK, Joshi P, Tiwari SK. Comparison of simulation-based learning and traditional teaching methods in neonatal resuscitation: A randomized controlled trial. Journal of Neonatal Nursing. June 2025;31(3): 101646. ISSN 1355-1841. Available at: https://doi.org/10.1016/j.jnn.2025.101646	Cummulative Index to Nursing to Nursing and Allied Health Literature (CINAHL), RCN Nursing Bibliography and British Nursing Index
Mrs. Navjot Kaur: Associate Professor		
5.	Gaur R, Kumar R, Kaur N, Kumar M, Das S, Patel RB. Cultural practices and beliefs followed for new born care in Santhal pargana-A cross sectional study. .	Journal of Family Medicine and Primary Care. 2024 Aug 1;13(8): 3150-5.
6.	Kaur N, Ray B, Kalyani CV. Millets: Ancient Grains for Modern Nutrition—A Comprehensive Review	Indian Journal of Community Medicine. 2024 Sep 1;49(5): 665-8
7.	Reviewer Reviewed one manuscript for Journal of Medical Evidence, dated June 20 th , 2024 Reviewed one manuscript for Journal of Family medicine and primary care, dated September 17 th , 2024 Dr. Simarjeet Kaur: Assistant Professor	
8.	Oral paper presented on “Reflection Diary in development of Experiential Learning Skills among student nurses”.	24th Annual Conference of Indian Society of Psychiatric Nurses under the theme: It is time to prioritise mental health in the workplace on 7th – 9th February 2025 Indira Gandhi Medical College & Research Institute, Puducherry

Number of Thesis Supervised PhD/MD/MS*

Dr. Kamlesh Kumari Sharma: FIVE (4 Ongoing, 1 Completed)

XIII. Any other achievements in number*

Dr. Kamlesh Kumari Sharma:

1. Setting Question paper and preparing MCQs for entrance exams of INIs and other important national bodies (5 institutes)
2. Chairperson PhD thesis evaluation for “All India Outstanding Nursing Research Award for Nursing students” 2024 by CNRS-North Zone
3. Judge in HathYoga reels on the occasion of International Yoga Day celebrations at AIIMS Bathinda on 21st June 2024
4. As Faculty in CME and celebration of World Plastic Surgery Day on July 15, 2024 at AIIMS Bathinda organized by Department of Burns and Plastic Surgery.
5. As Faculty in “Antimicrobial Sensitivity Testing and Anaphylaxis Management” workshop organized by Department of Pharmacology, AIIMS Bathinda on 10 September, 2024.
6. Member Research Advisory Committee (RAC), AIIMS Bathinda
7. Adjudicator of PhD thesis: TWO
8. MSc Nursing Thesis evaluation of FOUR universities.

Workshops attended:



Dr. Narinder Kaur Walia: Associate Professor (2024-25)			
Attended Conferences/ workshops			
1.	End of life Nursing education consortium (ELNEC)	As faculty attended, Capacity building Programme in Palliative Care	INER, AIIMS Bathinda from 29 th November to 1 st December 2024
2.	Leadership in Nursing, Inspiring Vision, Driving Change	78 th National conference 2024- hosted by TNAI Chandigarh UT Branch	Mohali Club, Punjab on 6 th & 7 th Dec. 2024
3.	Research society of Anaesthesiology clinical pharmacology	Workshop, IIRCF (Indian Resuscitation Council Federation) Certified BCLS & CCLS workshop in the 33 rd Annual National & 4 th international conference.	The Punjab Medical Council on 29 th & 30 th March 2025
Mrs. Navjot Kaur: Associate Professor (2024-25)			
Delegate/Participant			
1.	Attended 78 th National conference of TNAI at Mohali, Chandigarh on 6 th to 7 th Dec 2024.		
2.	Attended End-of-life Nursing Education Consortium (ELNEC) as a delegate from 29 th Nov to 1 st Dec at AIIMS Bathinda.		
3.	Delegate in “Designing Scenario based MCQs and Training in item Analysis” organized by Dept. of physiology, on Aug 02, 2024 at AIIMS Bathinda.		
4.	Delegate in ‘Health care simulation Training of trainer’s workshop from 27.12.2024 to 28.12.2024 at Himalayan University, Dehradun.		
5.	Completed Basic “Neonatal Resuscitation Provider course” by Indian Academy of paediatrics on 2 nd March 2025, organized by AIIMS Bathinda		
6.	Completed certified BCLS and CCLS program, by Indian Resuscitation Council on March 6-7, 2025		
7.	Completed online training on “Statistics made easy: basics to advanced biostatistical online SPSS series (season-2)” from Oct 21 to 28, 2024. (6-8pm) organized by integrated foundation, Uttarakhand.		
8.	Attended webinar on artificial intelligence tools for optimizing Nursing Research, organized by CNRS-North zone on 28 th October, 2024.		
9.	Attended webinar on “The Power of artificial intelligence in health care: integrating nurses with emerging technology” organized by Apollo College of Nursing, Hyderabad on 16 th November, 2024.		
10.	Attended Workshop cum training program on "Endnote 21" on september 6, 2024 Organized by clarivate at AIIMS Bathinda		
11.	Completed various modules of Karamyogi		
Mr. Atul Sharma (Assistant Professor) (2024-25)			
As a Delegate/ Participant in Workshop/Conferences/ Seminars			
1.	Participated in 24 th Annual Conference of Indian Society of Psychiatric Nurses under the theme: It is time to prioritise mental health in the workplace Organized by Indira Gandhi Medical College & Research Institute, Puducherry on 7 th – 9 th February 2025.		
2.	Participated in International Webinar on “Rapid Response Team: Role of Nurse During SUD Crisis” Organized by College of Nursing AIIMS New Delhi on 14 th December 2024.		



3.	Participated in 78 th TNAI National Conference 2024 on “Leadership in Nursing Inspiring Vision, Driving Change” Hosted by: TNAI Chandigarh UT Branch on 6 th – 7 th December 2024.
4.	Participated in 3 rd International (Virtual) Conference on Partnership and collaborative work in managing Addictive behavioural disorders and substance use disorder organized by Organized by LGBRIMH, Tezpur, Assam, India and Arizona Indian Nurses Association (AZINA), USA. And SUD-Care Group, India on November 7 th – 8 th 2024
5.	Participated in 4 th Annual conference of addiction psychiatry society of India on preventing relapse, maintaining recovery organized by Department of Psychiatry, Government SKIMS Medical College & Hospital, Srinagar on October 17 th – 19 th 2024.
6.	Participate in the workshop on Advance Statistical Data Analysis Using SPSS Organized by Resilient Foundation For Academic Innovation & Scientific Research (Registered with NITI Aayog. Govt of India), New Delhi During 22 – 28 June 2024.

Mrs. Nagdeep Kaur, Assistant Professor (2024-25)

Attended Conferences/ workshops

1.		Attended workshop Simulation Based education (SBE) at National Reference Simulation Center	SGTU Gurgaon, Haryana from 3rd June to 8th June 2024
2.	Palliative Care	As faculty attended, Capacity building Programme End of life Nursing education consortium (ELNEC)	AIIMS, Bathinda from 29 th November to 1 st December 2024
3.		Attended Basic NRP provider course	Department of neonatology, AIIMS Bathinda on 2nd March 2025
4.	Anaesthesiology clinical pharmacology	Attended workshop, IIRCF (Indian Resuscitation Council Federation) Certified BCLS & CCLS workshop in the 33rd Annual National & 4th international conference of research society of Anaesthesiology clinical pharmacology The Punjab medical Council	On 29 th March to 30 th March

Ms. Tanya Gandhi, Nursing Tutor/Clinical Instructor (2024-25)

Certificate of attendance

	Delegate	44 th congress of international society of urology in October 2024	International society of Urology
	Faculty	End of Life Nursing Education Consortium in November 2024	ELNEC
	Trainee	ToT of NELS under MoHFW in May 2025	RAK, New Delhi

Mr. Deepender Bishnoi, Nursing Tutor/Clinical Instructor (2024-25)

Certificate of attendance

	Delegate	National conference SPNCON-2024	Society of Perioperative
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			Nursing
	Faculty	End of Life Nursing Education Consortium in November 2024	ELNEC
Mr. Pardeep Kumar, Nursing Tutor/Clinical Instructor (2024-25)			
Certificate of attendance			
1.	Delegate	National conference SPNCON-2024	Society of Perioperative Nursing
2.	Faculty	End of Life Nursing Education Consortium in November 2024	ELNEC
Ms. Priyanka Bhati, Nursing Tutor/Clinical Instructor (2024-25)			
Certificate of attendance			
1.	Delegate	44 th congress of international society of urology in October 2024	International society of Urology
2.	Delegate	End of Life Nursing Education Consortium in November 2024	ELNEC
3.	Trainee	ToT of NELS under MoHFW in May 2025	RAK CON in collaboration with government of India

OTHER SIGNIFICANT ACTIVITIES:

Workshops and Symposiums

Number of workshop/symposia organized: 10

Training Programs

1. Induction training for Nursing officers (33): 01
2. Senior Nursing officers, Nursing officers, Nos and Hospital Attendants trained under iGOT MISSION KARAMYOGI BHARAT, 2024-2025, (6 topics): 379
3. Training program for ASHA workers at UPHC Lal Singh Basti for Hypertension management Training on May 31, 2025.

Community Outreach Programs

1. Intensified Diarrhoea Control Fortnight through role play at UPHC, Lal Singh Basti in August 2024.
2. National Nutrition week through role play and health education in community areas of Lal Singh Basti in September 2024.
3. Poster competition and slogan writing competition on theme: mental health at work on World Mental Health Day 2024 10th October 2024
4. Health awareness campaign & screening of breast cancer through clinical breast examination in Anganwadi Centre on 25/10/2024
5. World Diabetes Day through nukkad natak in November 2024
6. Nukkad natak (street play) on World COPD Day, 19th November 2024
7. School health program, Govt primary smart school Sanguana Basti, Bathinda dated - 28-11-2024
8. World HIV/AIDS day through nukkad natak in December 2024
9. World AIDS day through awareness walk in community area of Lal Singh Basti in December 2024
10. Health education on 100 days tuberculosis elimination campaign
11. World Cancer Day on 4th February 2025 through street play
12. TB awareness program on 15th February 2025 at Sarkari high school, Lal Singh Basti, Bathinda
13. TB awareness program on 22 March 2025 at Sanguana Basti through nukkad natak

14. Newborn and maternal care role play on world health day 2025 through role play at AIIMS Bathinda
15. Newborn and maternal care role play on world health day 2025 through role play at Civil Hospital, Bathinda
16. Swachhta Pakhwada role-play at Lal Singh Basti on 15/04/2025

Health Awareness Programs

1. World Hypertension Day 2024 in collaboration with the department of cardiology
2. World Patient Safety Week 2024 (quiz competition, poster presentation, skit, CNE)

World Mental Health Day 2024

1. Hypertension awareness month 2025 (walkathon)
2. Celebrate World No-Tobacco Day in psychiatry department on 31st May 2024
3. Awareness activities on suicide prevention day September 2024

Blood Donation

1. Blood donation program in Nurses Week 2025

Educational Activities

2. Invigilation duties of various final and internal theory and practical examination.
3. Coordinated with external educators for various subjects (English, Computer, Psychology, Pharmacology, Pathology & Genetics, Microbiology) for Nursing students.
4. Visit to Verka Milk Plant on 11/11/2024 with students.
5. Visit to Water and Sewage treatment area of AIIMS Bathinda with students.

Nursing Services

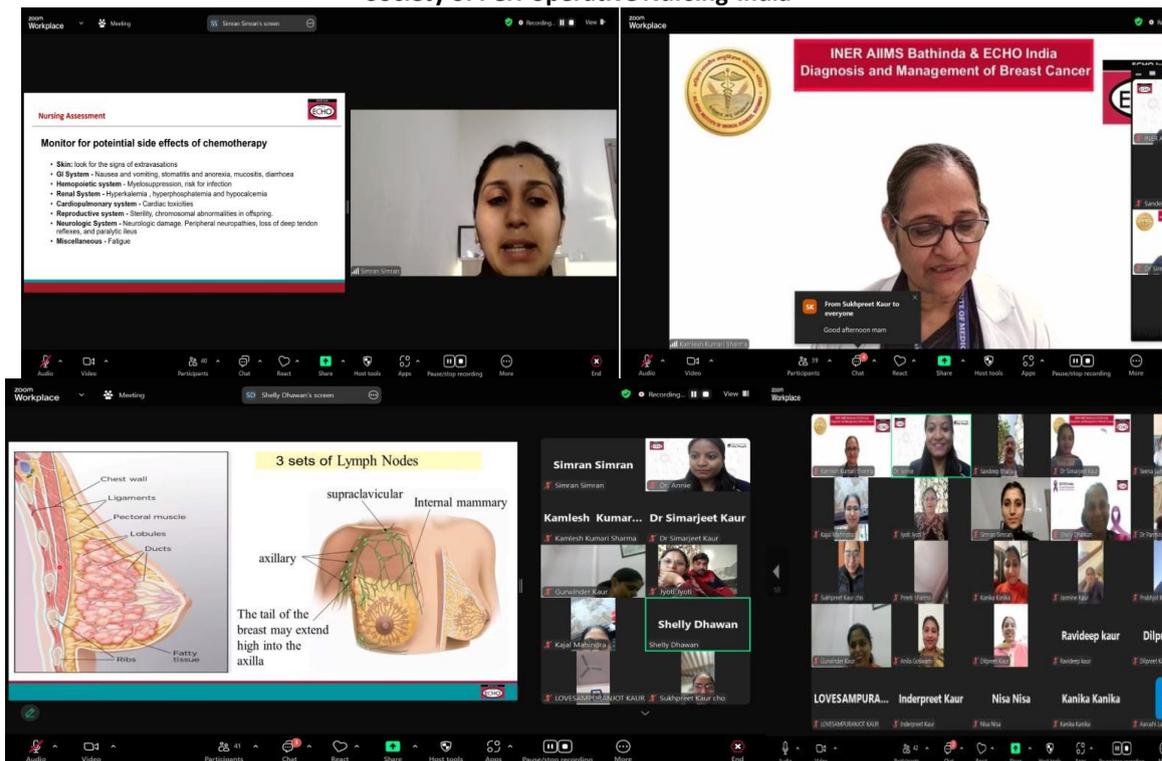
1. Active supervision of OPD & IPD and preparation of night supervisor duty rosters.
2. Institute of Nursing Education and Research (INER), AIIMS Bathinda Organize:



7-Day Workshop on " Theme: "Patient Safety: Ensuring Excellence, Preventing Harm"



National Conference was organized by Institute of Nursing Education and Research (INER), AIIMS Bathinda from 17 to 19 May, 2024 on the theme “Excellence in Peri-operative Nursing Practices: Establishing culture of safety” in collaboration with Society of Peri-operative Nursing-India



A Webinar on Successful Program Launch-Diagnosis and Management of Breast Cancer on 10 Dec 2024



AIIMS Bathinda Organized 7-Day Workshop on " Theme: Emerging & Re-emerging Diseases"

From 4th March 2025 to 10th March 2025



Organized Community Awareness Programs: HEALTH EDUCATION ON 100 DAYS TUBERCULOSIS ELIMINATION CAMPAIGN

10 Jan 2025 - AWW Centre, Sanguana Basti, Urban Area, Bathinda

As part of the national initiative to eliminate tuberculosis (TB) by 2025, the B.Sc. Nursing students from the Institute of Nursing Education and Research (INER), AIIMS Bathinda, took an active role in promoting awareness, education, and preventive measures for TB



HOSPITAL SERVICES



MEDICAL SUPERINTENDNET OFFICE

Medical Superintendent

Prof. (Dr.) Rajiv Kumar, Prof and Head, CTVS

Addl. Medical Superintendent

Dr. Anuradha Raj, Professor, Dept. of Ophthalmology

Dr. Vaibhav Saini, Addl. Professor, Dept. of ENT

Dr. Moonis Mirza, Associate Professor, Dept. of Hospital Administration

Deputy Medical Superintendent

Dr. Rohit Mahajan, Addl. Professor, Dept. of Radiation Oncology

Dr. K. Purushottam, Assistant professor, Dept. of Hospital Administration

The institute started on 23rd December 2019 with OPD services. The OPD services have been growing steadily with the focus on quality health care services. Faculty has been recruited in many broad specialties.

Registration Desk

Total Registration counters

1. OPD – 12
2. IPD – 02
3. Emergency – 02
4. Ayushman Counters – 05
5. EHS Registration counter – 01

- (a) The real time HMIS streamlines the treatment flow of patients and simultaneously empowering workforce to perform to their peak ability, in an optimized and efficient manner. It is modeled on the unique combination of a 'patient centric and medical staff centric' paradigm, thus providing benefits to both the recipients and the providers of healthcare. It ensures dramatic improvement in performance along with reducing the costs. A data warehouse of such records can be utilized for statistical requirements and for research.
- (b) The HMIS ensures that users do not spend hours in patient registration and lab tests. Hospital HMIS system generates a unique ID for every new patient registration and lab samples. Patients OPD slip has a unique ID on it and only takes seconds to scan and offer hospital services like revisits, billing, pharmacy services etc. Each patient after OPD registration moves to vital examination desk. On the vital examination desk trained health personnel who measure pulse, respiration, and blood pressure of patients.



MRD: OPD SERVICES

1. Multi-specialty OPD services aim to providing patient centric care were started in the specialty areas of General Medicine, Surgery, Gynecology & Obstetrics, Orthopedics, ENT, Ophthalmology, Dermatology, Psychiatry, Dentistry, Radiotherapy, and Anesthesiology which are functioning from Monday to Saturday. The clinics focus on the preventive, promotive and curative aspect of health care services on an outpatient basis. Immunization clinic has also been started with support from the state Government to provide vaccines under the Universal Immunization Program by Government of India.
2. The hospital brings together some of the most talented medical professionals in the country and has a dedicated team of clinicians to provide highest standards of patient care. There is provision of consultation chambers where patients are provided medical, surgical or allied consultation, examination and expert opinion, Day care rooms where patients can be examined for any disease condition.
3. The OPD is supported by basic diagnostics in radiology, biochemistry, pathology, and microbiology and sample collection points have been provided. Pharmacy provides medications to the patients. The biomedical waste management at AIIMS Bathinda has been out sourced.

MEDICAL RECORD DEPARTMENT (MRD)

HOSPITAL INDICATORS		
(a)	No. of functional beds (Total)	750
(b)	Utilization of beds (Bed Occupancy)	88%
(c)	Average No. of patients visiting IPD Patients/month	3290
(d)	Average No. of patients visiting OPD/day	2600
(e)	No of Modular OTs Functional	18
(g)	No. of super specialty departments functional	13
(h)	Number of specialty departments' functional	26
(j)	No. of Major Surgeries	13006
(k)	No. of Minor surgeries	48830

CENSUS OF HOSPITAL ACTIVITIES		
Sr.	Services	Number
(a)	Total Number of OPD	640547
(b)	Total Number of IPD Patients	39482
Lab Services		
(c)	Biochemistry	1841395
(d)	Clinical Pathology	31657
(e)	Cytopathology	4495
(f)	Hematology	163592
(g)	Bacteriology	37052
(h)	Mycology	5791
(i)	Parasitology	1891
(j)	Serology	3700



(k)	Virology	120576
Diagnostic Services		
1	Ultrasound	33120
2	Color Doppler	2379
3	X-ray	87337
4	CT	42760
5	MRI	11572
6	Digital Mammography	48
7	Digital Fluoroscopic	757

DEPARTMENT-WISE STATISTICS REPORT

April 2024 to March 2025

S No.	Department	New Cases				Old Cases				Total			
		M	F	O	T	M	F	O	T	M	F	O	T
1	Anaesthesia Critical Care and Pain Medicine	61	64	0	125	14	13	0	27	75	77	0	152
2	Burns And Plastic Surgery	1601	623	1	2225	4608	1416	0	6024	6209	2039	1	8249
3	Cardiology	11304	9072	3	20379	13691	10951	3	24645	24995	20023	6	45024
4	Community And Family Medicine	175	41	0	216	0	0	0	0	175	41	0	216
6	CTVS	1444	828	0	2272	2510	1495	0	4005	3954	2323	0	6277
7	Dentistry	4465	4641	1	9107	6844	8342	4	15190	11309	12983	5	24297
8	Department Of Trauma	4872	2996	2	7870	538	286	0	824	5410	3282	2	8694
9	Dermatology	8107	8032	2	16141	9892	10696	1	20589	17999	18728	3	36730
10	Dietetics	8	11	0	19	0	3	0	3	8	14	0	22
11	E H S	377	505	0	882	209	305	0	514	586	810	0	1396
12	Emergency	10159	6092	2	16253	1735	1016	1	2752	11894	7108	3	19005
13	Endocrinology And Metabolism	4936	5834	2	10772	8053	10310	10	18373	12989	16144	12	29145
14	E N T	9312	8218	2	17532	8989	8181	5	17175	18301	16399	7	34707
15	General Medicine	16214	16609	6	32829	15719	18190	16	33925	31933	34799	22	66754
16	General Surgery	11030	11020	8	22058	5522	6030	6	11558	16552	17050	14	33616
17	Neonatal	400	369	0	769	65	41	0	106	465	410	0	875
18	Nephrology	3097	1931	0	5028	10061	5809	16	15886	13158	7740	16	20914
19	Neurology	5489	4884	2	10375	2531	2440	0	4971	8020	7324	2	15346
20	Neurosurgery	2054	1560	0	3614	2188	1957	0	4145	4242	3517	0	7759
21	Nuclear Medicine	44	52	0	96	14	28	0	42	58	80	0	138
22	Obst And Gynae	1	10391	0	10392	27	16889	2	16918	28	27280	2	27310
23	Ophthalmology	10409	10234	2	20645	11895	9782	18	21695	22304	20016	20	42340
24	Orthopaedics	22096	25412	6	47514	11841	13022	10	24873	33937	38434	16	72387
25	Paediatrics	3636	2305	0	5941	6981	4273	0	11254	10617	6578	0	17195
26	Paediatric Surgery	931	392	0	1323	1976	803	0	2779	2907	1195	0	4102
27	Physical Medicine and Rehabilitation	1359	982	0	2341	553	358	0	911	1912	1340	0	3252
28	Psychiatry	6694	6036	11	12741	6813	7485	1	14299	13507	13521	12	27040
29	Pulmonary Medicine	5956	5261	1	11218	7272	7465	2	14739	13228	12726	3	25957
30	Radiation Oncology	1402	1534	1	2937	6577	8617	0	15194	7979	10151	1	18131
31	Surgical Gastroenterology	2119	1719	1	3839	2079	1863	0	3942	4198	3582	1	7781
32	Surgical Oncology	899	1082	1	1982	1906	3260	5	5171	2805	4342	6	7153
33	Telemedicine	75	65	0	140	84	137	0	221	159	202	0	361
34	Urology	6990	2679	0	9669	13877	4670	0	18547	20867	7349	0	28216
	Grand Total	157719	151476	54	309249	165064	166134	100	331298	322783	317610	154	640547



Department wise Admission Statistics Report Between 01-04-2024 To 31-03-2025					
Filter - Gender: All, Department: All, Unit: All, Ward Type: All, Ward: All, Patient Category: All, User: All, Country: All, State: All, District: All,					
S. No.	Department / Ward Name	Admission Cases			
		M	F	O	T
1	Anaesthesia Critical Care and Pain Medicine	16	18	0	34
2	Burns And Plastic Surgery	547	152	0	699
3	Cardiology	2101	1334	0	3435
4	CTVS	200	102	0	302
5	Dentistry	2	0	0	2
6	Department Of Trauma	349	53	0	402
7	Dermatology	199	162	0	361
8	Emergency	2	2	0	4
9	Endocrinology And Metabolism	216	239	0	455
10	E N T	688	521	0	1209
11	General Medicine	3389	2094	2	5485
12	General Surgery	1592	1312	1	2905
13	Neonatal	359	347	0	706
14	Nephrology	896	470	1	1367
15	Neurology	237	207	0	444
16	Neurosurgery	810	299	1	1110
17	Obst And Gynae	6	2806	1	2813
18	Ophthalmology	1327	928	1	2256
19	Orthopaedics	1745	1006	1	2752
20	Paediatrics	1480	970	2	2452
21	Paediatric Surgery	369	150	0	519
22	Physical Medicine and Rehabilitation	10	9	0	19
23	Psychiatry	303	175	0	478
24	Pulmonary Medicine	690	390	0	1080
25	Radiation Oncology	2012	2789	0	4801
26	Surgical Gastroenterology	173	172	0	345
27	Surgical Oncology	528	1052	7	1587
28	Urology	1003	456	1	1460
	Total	21249	18215	18	39482

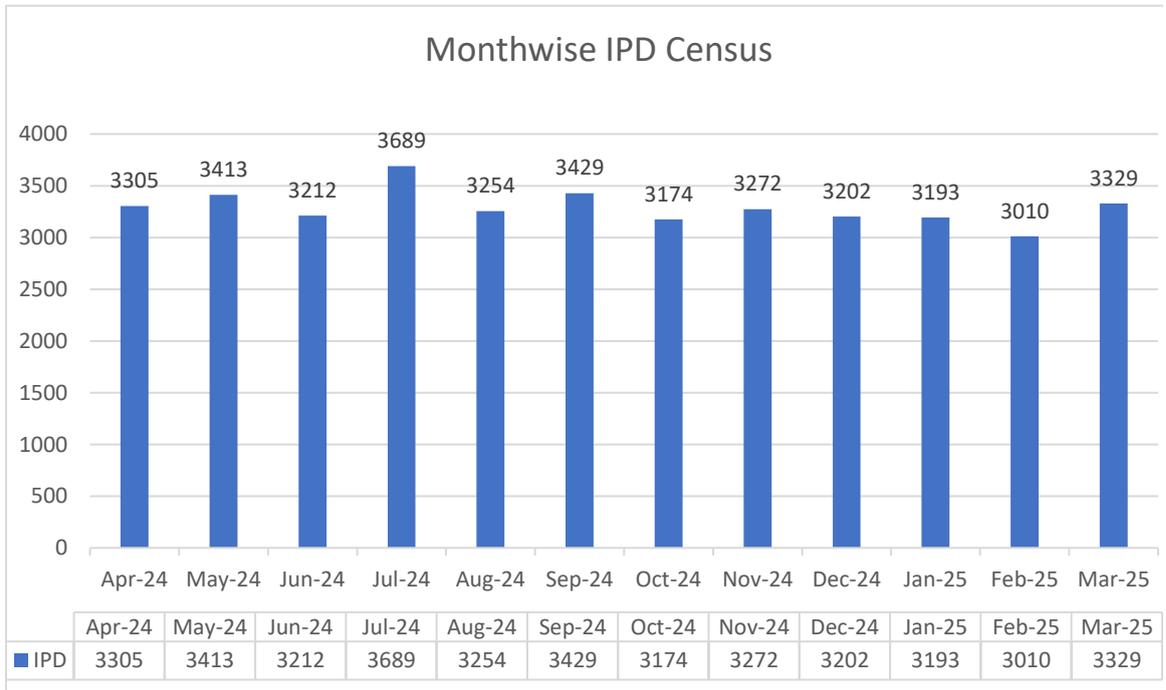
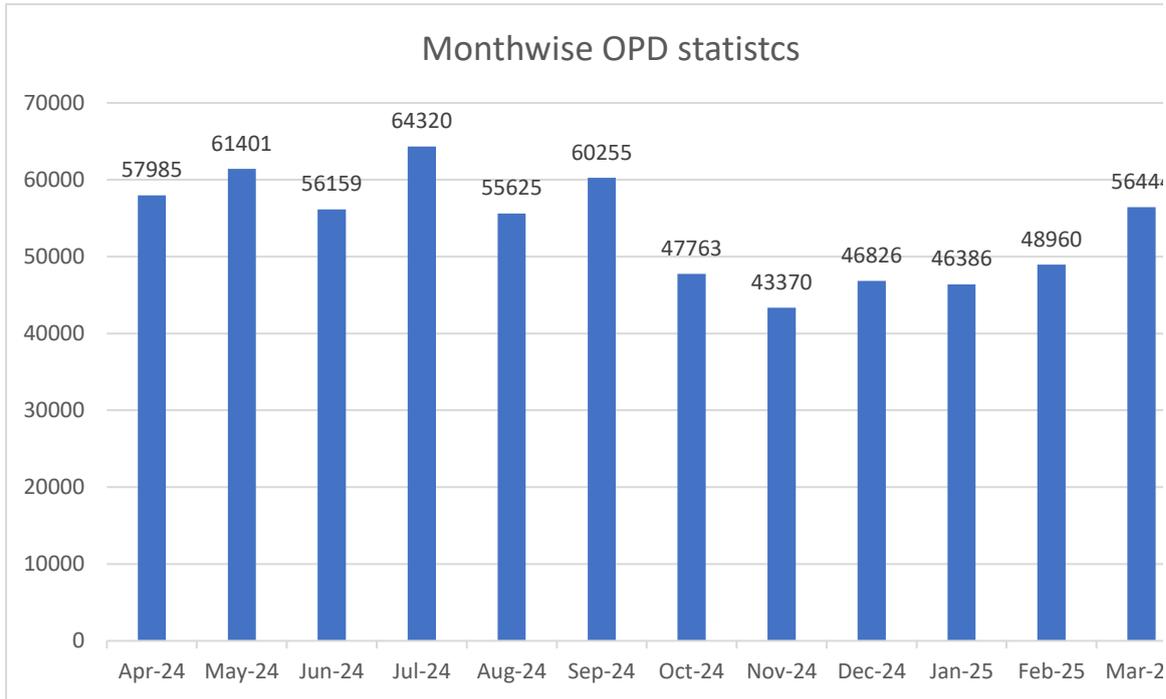


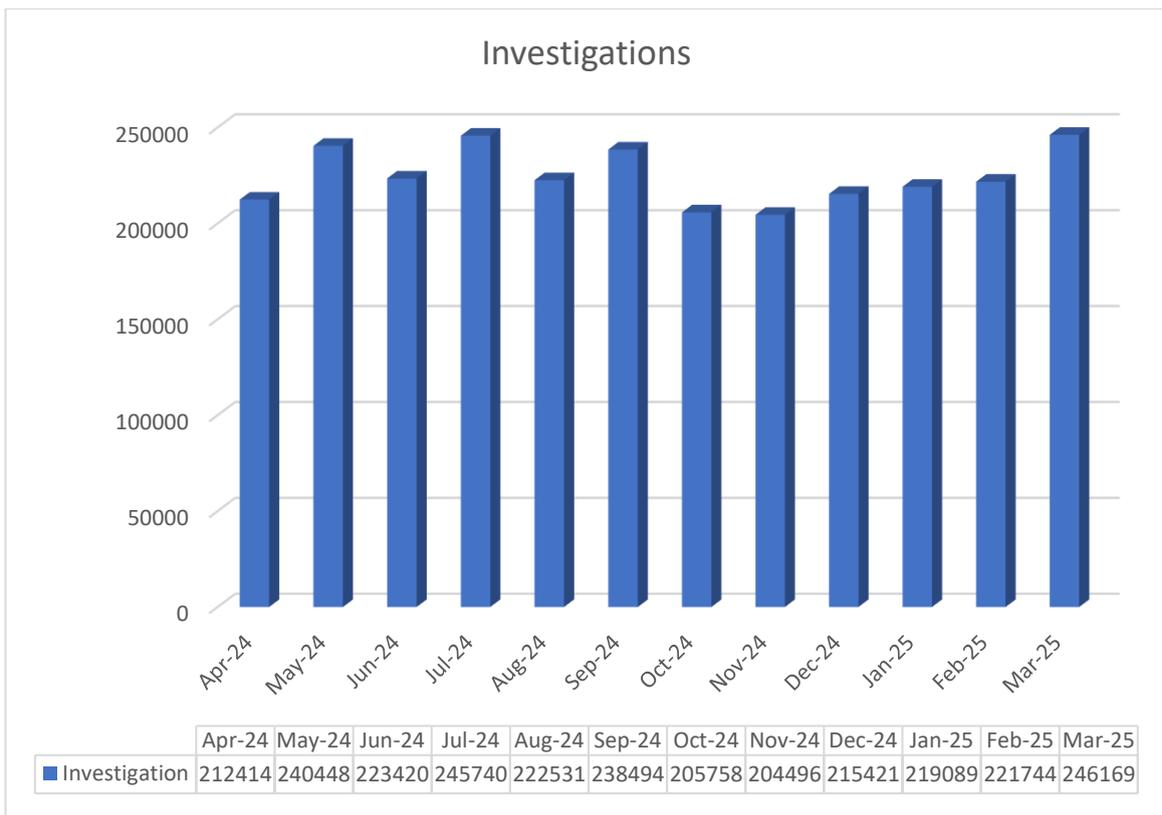
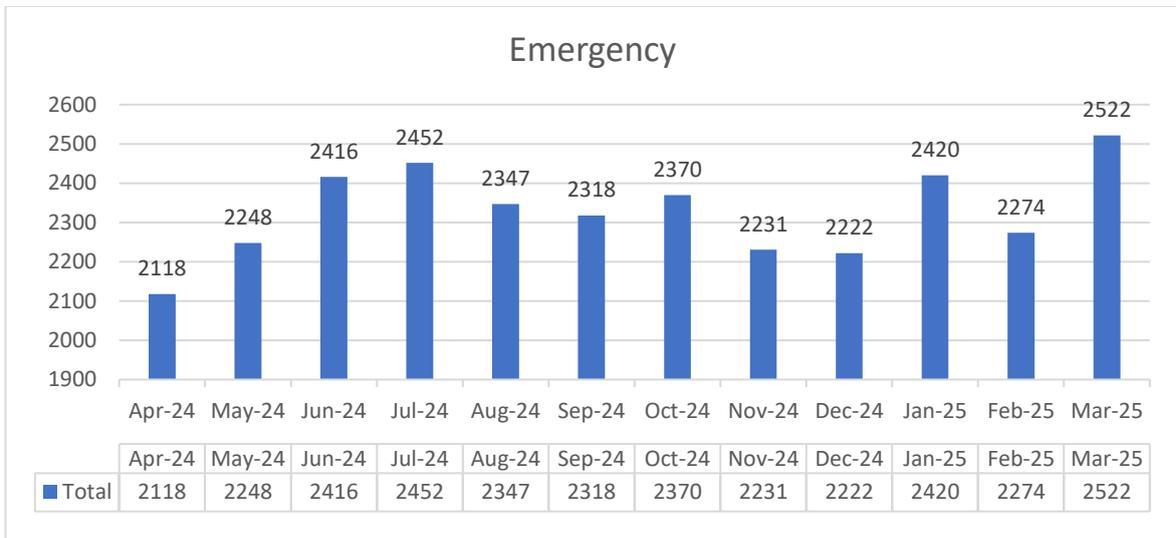
State	No of IPD patients (1 st Jan – 31 st Dec)
Andhra Pradesh	19
Assam	3
Bihar	273
Chandigarh	19
CHHATISGARH	2
Delhi	59
Gujarat	1
Haryana	3309
Himachal Pradesh	67
Jammu & Kashmir	33
Jharkhand	8
KARNATAKA	9
Kerala	5
Madhya Pradesh	22
Maharashtra	11
Manipur	9
Nagaland	1
Nepal	1
Odisha	9
Punjab	33709
Rajasthan	836
Tamil Nadu	7
Uttar Pradesh	317
Uttarakhand	39
West Bengal	37

Month	OPD New Cases				OPD Old Cases				OPD Total			
	M	F	O	T	M	F	O	T	M	F	O	T
Apr-24	14734	14644	2	29380	14088	14516	1	28605	28822	29160	3	57985
May-24	15383	15461	10	30854	15125	15415	7	30547	30508	30876	17	61401
Jun-24	14274	14183	9	28466	13560	14123	10	27693	27834	28306	19	56159
Jul-24	15706	16068	5	31779	16121	16411	9	32541	31827	32479	14	64320
Aug-24	13767	13306	7	27080	14216	14318	11	28545	27983	27624	18	55625
Sep-24	14394	14242	4	28640	15572	16027	16	31615	29966	30269	20	60255
Oct-24	11182	9999	3	21184	13129	13437	13	26579	24311	23436	16	47763
Nov-24	10024	9438	2	19464	11800	12097	9	23906	21824	21535	11	43370
Dec-24	11248	10019	0	21267	12843	12712	4	25559	24091	22731	4	46826
Jan-25	11624	10118	1	21743	12616	12021	6	24643	24240	22139	7	46386
Feb-25	12677	11336	2	24015	12568	12370	7	24945	25245	23706	9	48960
Mar-25	13807	13622	9	27438	14827	14170	9	29006	28634	27792	18	56444



GRAPHICAL REPRESENTATION OF VARIOUS SERVICES





LABORATORY SERVICES

Laboratory Services: Laboratory at AIIMS Bathinda

Biochemistry: Investigation panel includes routine biochemical tests, thyroid function tests, hormones, vitamin assays, and others.

Microbiology: Investigations include serological tests, screening for STDs, immunological tests, bacteriological cultures, and viral markers.

Pathology: Investigations include routine hematological indices, cytology, histopathology, Leukemia testing, Bone marrow examination, Immunohistochemistry, Immunopathology (ANA).

PHARMACY SERVICES

Pharmacy Services: AMRIT Pharmacy at AIIMS Bathinda (OPD & IPD).

Affordable Medicines and Reliable implants for Treatment (AMRIT) an initiative launched by the Ministry of Health & Family Welfare provide affordable medicines for treatment of diseases. The Pharmacy facilitates safe, effective, efficient and economical use of medications with the aim of optimizing patient care by trained staff. Pharmacy is committed to reduce the treatment cost and bringing about a change with treatment being affordable to every patient. AMRIT pharmacy employs registered pharmacist to dispense the medicines. The Pharmacists follow the procedures prescribed in Dispensing Pharmacy Discipline. They ensure that, the right patient is served, a desired dosage form of the correct drug is given, the prescribed dosage and quantity are given, the right container that maintains the potency of the drugs is used, the container is appropriately labelled, and clear instructions have been delivered to the patient. The Standard dispensing procedure followed by Pharmacists. Along with the Drug dispensing procedures, pharmacists follow a store level process that involves, computerized real time data and some manual interventions.





DEPARTMENT WISE DETAILS OF CLINICAL ACTIVITIES



DEPARTMENT OF PULMONARY MEDICINE

Sr.	Category	Number
1.	Patients seen in OPD	24471
2.	Patients admitted in IPD	1080
3.	Teleconsultations	-
4.	Procedures performed per month	90-100
5.	Any other special clinic/activity	
	ABPA Clinic	197
	ILD Clinic	50
	Sleep Clinic	172
	DOTS Centre	1119
6	Bronchoscopy and EBUS	Started since 25/3/2025

FOR DIAGNOSTIC DEPARTMENTS

Sr	Category &	Number
Name of test		
1.	Spirometry	5557
2.	CPET	162
3.	Sleep Study	172
4.	6MWT	18

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Sr.	Category	Number
1.	Patients seen in OPD	27311
2.	Patients admitted in IPD	5196
3.	Teleconsultations	03
4.	Procedures performed	
	(a) Major	491
	(b) Minor	753
5.	Any other special clinic/activity	
	(a) Pap	816
	(b) USG	851
	(c) Day care	290
	(d) Colposcopy	53
	(e) IUI	20
6.	(a) Total no. of deliveries	772
	(b) Total NVD	221
	(c) Total LSCS	546
	(d) Instrumental- Forceps	04
	(e) Hysterectomy	01
	(f) Twin deliveries	15
	(g) Triplet	02
	(h) Total alive births	752
	(i) Alive MCh	394
	(j) Alive FCh	358
	(k) IUD	37



(l) MTP	63
(m) Cu- Insertion	40

DEPARTMENT OF DENTISTRY

Sr.	Category	Number
1.	Patients seen in OPD Total	22813
2.	Procedures performed	
	Major	125
	Minor	17448
	Total	17573
Major Procedures	Diagnostic -Study cast	181
	CBCT	561
	IOPA	5342
	OPG	2743
	Lateral Ceph	159
	Dental Implants	34
	Periodontal Microsurgery	10
	Laser Assisted Surgeries	27
	FPD	285
	Obturator	1
	Orthodontic Treatment	117
	Periodontal Surgeries RCT	187
	Activator	1036
	Fracture Reduction	0
Impactions	06	
Cyst Removal	130	
Tumour excision	11	
	0	
Minor Procedures	Extractions Complete	1681
	Dentures RPD	51
	Oral Prophylaxis	124
	Scaling and Root planning	18
	Restorations	854
	Study Cast	2403
	181	



DEPARTMENT OF CARDIOTHORACIC AND VASCULAR SURGERY

Sr.	Category	Number
1.	Patients seen in OPD	5946
2.	Patients admitted in IPD	336
3.	Teleconsultations	-
4.	Procedures performed	
	(a) Major	235
	(b) Minor	230
5.	Any other special clinic/activity	-

DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

Sr.	Category	Number
1.	Patients seen in OPD	27469
2.	Patients admitted in IPD	455
3.	Teleconsultations	15
4.	Any other special clinic/activity	Wednesday-Pediatric endocrinology Friday- Obesity Clinic

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
1.	Extended OGTT	23
2.	Growth hormone stimulation test	22
3.	Urine ketones	80
4.	Urine osmolarity	156
5.	Serum osmolarity	284
6.	Dexa Scan	2215
7.	Continuous Glucose Monitoring System	19
8.	Clonidine Stimulation Test	15
9.	ACTH Stimulation Test	21
10.	RBS testing	9047
11.	Injection Leuprolide Acetate	10
12.	Injection Testosterone	94
13.	GnRH Stimulation Test	11
14.	Injection Zoledronic Acid	70
15.	Injection Eutropin	17
16.	Synthercthin Stimulation Test	15



DEPARTMENT OF NEUROLOGY

Sr.	Category	Number
1.	Patients seen in OPD	15418
2.	Patients admitted in IPD	476
3.	Teleconsultations	-
4.	Procedures performed (a) Major (b) Minor	Lumbar Puncture and CSF Manometry-169 Tensilon Test 52 Botox-38 Nerve and Muscle Biopsy -22
5.	Any other special clinic/activity	Movement Disorder Clinic Refractory Epilepsy Clinic Neuro-infectious Diseases Clinic

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
1.	Nerve Conduction Study (Plexus Protocol, CTS Protocol, NCS All Four Limbs)	893
2.	Electromyography Study	78
3.	EEG	1004
4.	Repetitive nerve conduction study	11
5.	Visual evoked potential	50
6.	Brain stem auditory evoked response	19
7.	SSR	16
8.	Facial Nerve Study	19

DEPARTMENT OF PEDIATRIC SURGERY

Sr.	Category	Number
1.	Patients seen in OPD a) Total New Patient- b) Total Revisit Patient- c) Total Referred Patient-	7117 1262 2634 3221
2.	Patients admitted in IPD	519
3.	Teleconsultations	-
4.	Procedures performed (a) Major (b) Minor	312 164
5.	Any other special clinic/activity (minor OT)	-Hypospadias clinic -Paediatric Gastric Surgery/Paediatric Thoracic Surgery Clinic -Paediatric Urology/Neurosurgery



DEPARTMENT OF NEUROSURGERY

Sr.	Category	Number
1.	Patients seen in OPD	12320
2.	Patients admitted in IPD	1110
3.	Teleconsultations	-
4.	Procedures performed	
	A. Major	420
	B. Minor	29
	C. OPD Procedures	484
5.	Any other special clinic/activity	-

DEPARTMENT OF OPHTHALMOLOGY

Sr.	Category	Number												
1.	Patients seen in OPD	40005												
2.	Patients admitted in IPD	2256												
3.	Teleconsultations	51												
4.	Procedures performed													
	(a) Major	1911												
	(b) Minor	868												
5.	Any other special clinic/activity	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="padding-left: 20px;">a.</td> <td>Glaucoma & Cornea</td> <td style="text-align: right;">4254</td> </tr> <tr> <td style="padding-left: 20px;">b.</td> <td>Squint/ Oculoplasty</td> <td style="text-align: right;">749</td> </tr> <tr> <td style="padding-left: 20px;">c.</td> <td>ROP</td> <td style="text-align: right;">168</td> </tr> <tr> <td style="padding-left: 20px;">d.</td> <td>Retina</td> <td style="text-align: right;">16</td> </tr> </table>	a.	Glaucoma & Cornea	4254	b.	Squint/ Oculoplasty	749	c.	ROP	168	d.	Retina	16
a.	Glaucoma & Cornea	4254												
b.	Squint/ Oculoplasty	749												
c.	ROP	168												
d.	Retina	16												

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
Name of Test		
1.	Laser procedures	1054
2.	Optical coherence tomography	4878
3.	Perimetry	2882
4.	Ultrasonography (B-SCAN)	882
5.	Fundus fluorescein angiography	1289
6.	Synoptophore	523
7.	Corneal topography	372
8.	Ultrasound Biomicroscopy	33
9.	Specular Microscope	22



DEPARTMENT OF UROLOGY & RENAL TRANSPLANTATION

Sr.	Category	Number
1.	Patients seen in OPD	26518
2.	Patients admitted in IPD	1460
3.	Teleconsultations	---
4.	Procedures performed	
	(a) Major	517
	(b) Minor	538
	(c) Eswl	342
5.	Any other special clinic/activity (Male sexual health)	450

For Diagnostic and Day Care

Sr. No.	Category/Name of test	Number
1	Uroflowmetry	2296
2	Urodynamic Study	173
3	ESWL	342

DEPARTMENT OF ORTHOPAEDICS

Sr.	Category	Number
1.	Patients seen in OPD	72879
2.	Patients admitted in IPD	2752
3.	Teleconsultations	
4.	Procedures performed	
	A. Major	2741
	B. Minor	10568
	C. Cast/Slab	2144
5.	Any other special clinic/activity	17570

DEPARTMENT OF TRAUMA AND EMERGENCY

Sr.	Category	Number
1.	Total Patients seen in Emergency (Medical/Surgical)	27699
2.	Total Patients admitted	11643
3.	Teleconsultations	Nil
4.	Procedures performed in Emergency OT	1955
5.	Any other special clinic/activity	Nil



DEPARTMENT OF SURGICAL ONCOLOGY

Sr.	Category	Number
1.	Patients seen in OPD	7186
2.	Patients admitted in IPD	1616
3.	Teleconsultations	-
4.	Procedures performed (a) Major (b) Minor	295 104
5.	Any other special clinic/activity	-

DEPARTMENT OF NEPHROLOGY

Sr.	Category	Number
1.	Patients seen in OPD	21359
2.	Patients admitted in IPD	1367
3.	Dialysis	<ol style="list-style-type: none"> 1. IPD – 3999 2. OPD – 180 3. EMG – 1007 4. ICU – 719 5. DAY CARE – 162 6. CRRT - 95 7. ADULT PLEX – 240 8. PAED. PLEX. – 03 9. ADULT HP – 14 10. PAED HP – 09 11. HD FOR POISONING – 15 12. PERIPHERAL – 61 13. PAED.HD – 17 14. HDF – 649 15. DLF INSERTION – 1016 16. DLF REMOVAL - 842
4.	Procedures performed (a) Major (b) Minor	(a) Major <ol style="list-style-type: none"> 1. Tunnelled Cath – 390 2. Kidney Biopsy – 500 3. CAPD insertion- 45 4. A-V Fistula Creation – 3 (b) Minor <ol style="list-style-type: none"> 1. Medication and Dressing - 1050
5.	Any other special clinic/activity	<ol style="list-style-type: none"> 1. Glomerulonephritis clinic- 1110 2. ADPKD Clinic- 250 3. Pediatric CKD Clinic-200 4. Myeloma Clinic-180 5. CKDu Clinic- 160

**FOR DIAGNOSTIC DEPARTMENTS**

Sr.	Category	Number
	Name of Test	
1.	Ultrasound	1587
2.	A-V Fistula Ass. (Pre)	160
3.	A-V Fistula Ass (Post)	220
4.	Ambulatory BP Monitoring	70

DEPARTMENT OF GENERAL SURGERY

Sr. No.	Category	Number
1.	Patients seen in OPD	33,616
2.	Patients admitted in IPD	2905
3.	Teleconsultations	-
4.	Procedure performed	Total – 5701
	(a) Major	(a) Major - 1213
	(b) Minor	(b) Minor - 4488
5.	Any other special clinic/activity	(a) Bariatric Surgery Clinic (b) Diabetic Foot Clinic (c) Breast (d) AV Fistula and CAPD Clinic for End Stage Renal Disease (ESRD)

DEPARTMENT OF PHYSICAL MEDICINE & REHABILITATION (PMR)

SI No	Category	Number
1.	Patients seen in OPD	3,281
2.	Patients admitted in IPD	19
3.	E-Prescription	100 % (Oct 16, 2024 onwards)
4.	Procedures performed	
	A. Major	00
	B. Minor	12
5.	Any other special clinic/activity- Physiotherapy and Neurodevelopmental Training offered to OPD & IPD patients	16,690



DEPARTMENT OF PSYCHIATRY

Sr.	Category	Number
1.	Patients seen in OPD	27040
2.	Patients admitted in IPD	489
3.	Teleconsultations	232
4.	Procedures performed. Major Minor	ECTs-15(up-to-date) Pentothal abreaction & Psychotherapy sessions 342
5.	Any other special clinic/activity A. Emergency & CL Psychiatry Services B. OST Deaddiction Clinic C. Tobacco Control Clinic D. Digital Detox Clinic E. Drug De-Addiction Treatment Clinic F. Geriatric Mental Health Clinic G. Child Guidance Clinic	2500 1400 52 19 860 1344 576

DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Sr.	Category	Number
1.	Patients seen in OPD	15036
2.	Patients admitted in IPD	689
3.	Teleconsultations	Nil
4.	Procedures performed A. Major B. Minor	403 767
5.	Any other special clinic/activity	Fibro scan test:1450

DEPARTMENT OF PAEDIATRIC MEDICINE

Sr.	Category	Number
1.	Patients seen in OPD	17423
2.	Patients admitted to IPD Pediatric Medicine wards A and B Pediatrics PICU Pediatrics Day Care Pediatrics Day Care 2 Pediatrics 6D	2111 762 119 766 141 323
3.	Teleconsultations	-
4.	Procedures performed Major Minor Intrathecal Chemotherapy	Bone marrow aspiration and biopsies = 10 months Lumbar punctures =20 per week



5.	Any other special clinic/activity	Pediatrics Neurology clinic /Ped Oncology/Pulmonology, Nephrology clinic

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
1.	Muscle Biopsy	150
2.	EEG	1450
3.	Bedside Ultrasound	960

DEPARTMENT OF RADIATION ONCOLOGY

Sr.	Category	Number
1.	Patients seen in OPD	17085
2.	Patients admitted in IPD	IPD-471, DAY CARE-3715
3.	Teleconsultations	0
4.	Procedures performed (a) Major (b) Minor	613 359
5.	Patients received radiotherapy	1671
6.	Any other special clinic/activity	ENT, ORTHO, GYNAE, GASTRO SURGERY, PAEDIATRICS SURGERY, NEUROSURGERY, Paediatric Oncology & All ONCOLOGY related departments discuss difficult cancer Cases IN the TUMOR BOARD from time to time.

DEPARTMENT OF DIETETICS

Sr.	Category	Number
1.	Patients seen in OPD	6602 (1.4.24 to 31.3.25)
2.	Patients seen in IPD	1027
3.	Activity	Educational and awareness activities organized: <ol style="list-style-type: none"> 1. World Health Day, 7th April 2024 2. World Asthma Day 7th May 2024 3. World Food Safety Day 7th June 2024 4. World Breastfeeding Week 1st August 2024 to 7th August 2024 5. National Nutrition Month September 2024 6. National Celiac Disease Awareness Day, 13th September 2024 7. National Nutrition Month (Poshan Maah) September 2024 8. Workshop: Safe insulin administration and Ryle's tube feeding practices, 24th October 2024 9. A marathon was organized on World Obesity Day 4th March 2025



DEPARTMENT OF NUCLEAR MEDICINE

Sr.	Category	Number
1.	Patients seen in OPD	175
2.	Any other special clinic/activity Thyroid Clinic	52

DEPARTMENT OF COMMUNITY & FAMILY MEDICINE

Sr.	Category	Number
1.	Patients seen in OPD	RHTC: - 3158 IMMUNIZATION:2134doses (pediatric & Adult) Yellow fever- 249 ARV doses-97 NCD Screening: - 2056

DEPARTMENT OF ENT HEAD AND NECK SURGERY

S No	Category	Number
1.	Patients seen in OPD	34969
2.	Patients admitted in IPD	1209
3.	Teleconsultations	0
4.	Procedures performed (a) Major (b) Minor	641 356
5.	Any other special clinic/activity	27556

DEPARTMENT OF CARDIOLOGY

S No	Category	Number
1.	Patients seen in OPD	42731
2.	Patients admitted in IPD	
	- Cardiology ward	1806
	- CCU cardiology	1289
	- Cath CCU	340
3.	Teleconsultations	-
4.	Procedures performed (a) Major (b) Minor	1257 2391



5.	Procedures performed <ul style="list-style-type: none"> ● PTCA ● CATH STUDY ● IVC FILTER- ● PACEMAKERS (TPI,PPI,AICD/CRT-D,CRT-P) ● DEVICE CLOSURE (ASD,VSD,PDA,RSOV) ● BALLOON VALVOTOMY (BMV,BPV) ● TAVI ● EPS+RFA ● TEVAR 	889 16 04 311 20 33 01 10 03
5.	Any other special clinic/activity	Heart Failure Clinic- 813 Heart Valve Clinic- 12 Pediatric Clinic- 413

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
1.	ECG	11381
2.	Echocardiography	16855
3.	Holter Monitoring	454
4.	Ambulatory Blood Pressure Monitoring	282
5.	Coronary Angiography	2365

DEPARTMENT OF GENERAL MEDICINE

Sr.	Category	Number
1.	Patients seen in OPD	66754
2.	Patients admitted in IPD	5194 (MICU – 1419; MMW –1345; FMW–2430)
3.	Teleconsultations	22
4.	Procedures performed (a) Major (b) Minor	NA
5.	Any other special clinic/activity	Fibroscan and liver clinic Diabetes clinic Hypertension clinic Rheumatology clinic

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
	Name of Test	
1.	ECG	20,123



DEPARTMENT OF BURNS & PLASTIC SURGERY

Sr.	Category	Number
1.	Patients seen in OPD	8328
2.	Patients admitted in IPD	699
3.	Teleconsultations	0
4.	Procedures performed	
	(a) Dressing	2861
	(b) OPD procedures	286
5	OT performed	
	(a) Major	725
	(b) Minor	41
6.	Any other special clinic/activity	
	(a) Cleft lip and Craniofacial clinic	1992
	(b) Hand and Brachial Plexus Surgery Clinic	1661

DEPARTMENT OF DERMATOLOGY

S No	Category	Number	
1.	Patients seen in OPD	35929	
2.	Patients admitted in IPD	361	
3.	Teleconsultations	27	
4.	Procedures performed		
	A. Major	341	
	B. Minor	4016	
5.	Any other special clinic/activity	1. Psoriasis clinic	352
		2. Vitiligo clinic	111
		3. STI clinic	162
		4. CTD	42
		5. Vesicobullous	62

DEPARTMENT OF RADIODIAGNOSIS

Sr.	Category	Number
1.	Ultrasound	33120
2.	Color Doppler	2379
3.	X-ray	87337
4.	CT	42760
5.	MRI	11572
6.	Digital Mammography	48
7.	Digital Fluoroscopic	757

DEPARTMENT OF MICROBIOLOGY

SI No	Category/ Name of test	Number
	MYCOLOGY	
1.	Microscopy KOH/CFW	2926



2.	Microscopy India Ink	259
3.	Microscopy GMS Stain	18
4.	Fungal Culture (All Specimens)	2588
	PARASITOLOGY	
1.	Malaria Antigen Test	1891
	SEROLOGY	
1.	WIDAL TEST	1065
2.	Rapid Plasma Reagin	1072
3.	ELISA For Leptospira IgM	524
4.	ELISA For IgM Antibody Detection For Scrub Typhus	522
5.	Brucella Standard Agglutination Test	517
	VIROLOGY	
1.	Dengue NS1 Antigen	1632
2.	Dengue IgG/IgM Antibody	1430
3.	HCV RDT	39202
4.	HbsAg RDT	39149
5.	HIV RDT	39152
	Recently Introduced ELISA for Viral Infections	
1	HSV IgM ELISA (Recently started)	4
2.	Hsv 2 IgM ELISA (Recently started)	1
3.	HAV IgM ELISA (Recently started)	4
4.	Rubella IgG ELISA (Recently started)	1
5.	HSV IgG ELISA (Recently started)	1
	INFECTION CONTROL LAB	
1.	Surveillance culture samples	859
	Bacteriology	
1.	Bacterial Culture (Stool Culture (Enteric Pathogens)	243
2.	Bacterial Culture (Urine Culture/Sensitivity)	16993
3.	Bacterial Culture for Sterile Body Fluids (Culture and Sensitivity)	2037
4.	Bacterial Culture of All Specimens (Including Smear Microscopy and Susceptibility Tests)	7550
5.	Blood culture	9590
6.	Smear For Bacteria (Gram Stain)	624
7.	Albert Stain Throat Swab Smear (Diphtheria)	15
	Tuberculosis	
1.	AFB Stain For All Samples	3319
2.	Truenaat	273
	COVID-19	
1.	COVID-19 RT-PCR	57

DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK

FOR DIAGNOSTIC DEPARTMENTS

Sr.	Category	Number
1	Blood Grouping	38906
2	Indirect Coombs Test (ICT)	1011
3	Direct Coombs test (DAT)	1739
4	Differential DAT	125
5	Blood Compatibility testing	11996



6	Antibody screening	3
7	Antibody Identification	6
8	Rh Antibody Titer	15
9	Abo Antibody Titer	31

DEPARTMENT OF BIOCHEMISTRY

Sr.No.	STAT LAB		OPD/IPD LAB	
1	ABG	66603	HS -CRP	111
2	ADA	1309	ADA	177
3	ALBUMIN	33956	ALB	56508
4	ALP	33859	ALP	55451
5	AMMONIA	677	ALT	55305
6	AMYLASE	1410	AMY	1247
7	B- HCG	461	Anti CCP	627
8	CALCIUM	6811	AST	55301
9	CHLORIDE	38848	BID	55205
10	CHOLESTROL	1325	BIT	55289
11	CK MB (Mass)	155	CA	13579
12	CKMB	1786	CHOL	15900
13	CK-Nac	565	CKMB	96
14	CREATININE	40530	CL	60033
15	CRP	11158	CRP	15808
16	DIRECT BILIRUBIN	34093	CRT	73287
17	GLUCOSE	5532	GLU	30472
18	HDL	1319	HBA1C	21859
19	HS CRP	45	HDL	15891
20	IRON	124	IRON	420
21	IRON PROFILE	655	IRON PROFILE	4530
22	LDH	1762	K	60331
23	LIPASE	1255	LDH	1667
24	MAGNESIUM	1703	LIPSE	1307
25	MPR	1204	MAL	3053
27	PCT	6110	MPR	2865
28	PHOSPHORUS	5027	NA	71102
29	POTASSIUM	38218	PHOS	7720
30	PRO BNP	13781	RF	3638
31	RF	390	TG	15899
32	SGOT	33908	TOTAL	992440
33	SGPT	33936	TP	55095
34	SODIUM	38949	UA	7422
35	TOTAL BILIRUBIN	34676	UIBC	53
36	TOTAL PROTEIN	33971	UREA	72750
37	TRIGLYCERIDES	1311	MG	3013
38	TROP I	7107		
39	UIBC	102		
40	UREA	40576		
41	URIC ACID	2018		
		577225		1885451



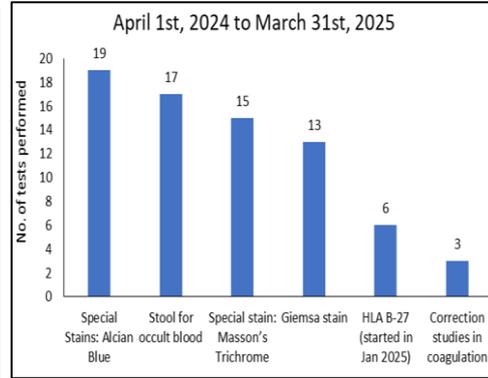
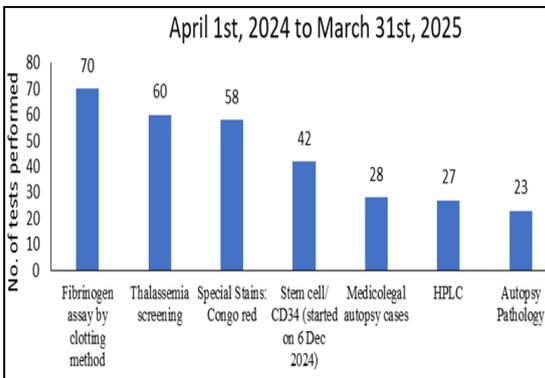
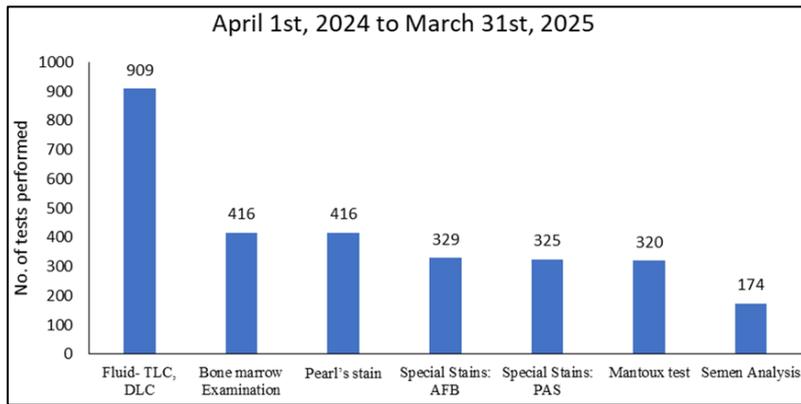
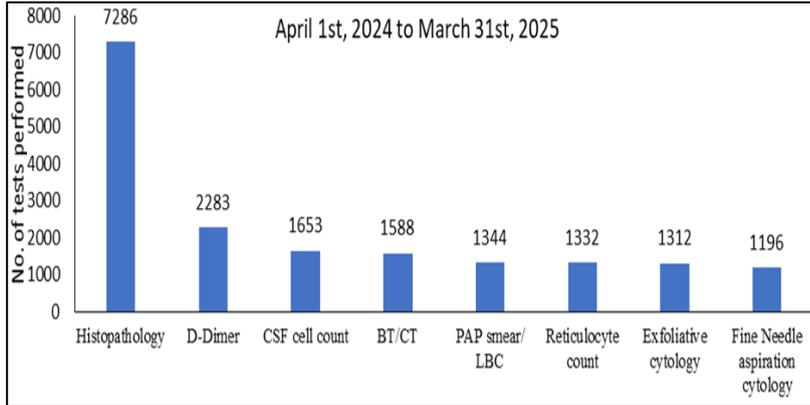
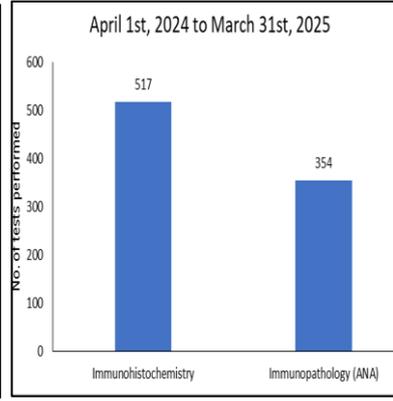
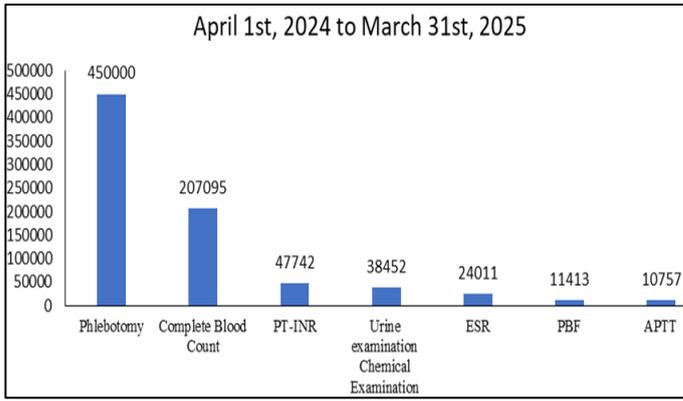
Immunoassay Parameters			ADVANCED BIOCHEMISTRY LAB	
Sr. No	Name of test	Number of tests	Name of test	Number of tests
1	AFP	745	Pancreatic Elastase	213
2	ANTI-TPO	1138	Fecal Calprotectin	253
3	CA-125	855	ANA	2456
4	CA-15.3	75	Ttg	1856
5	CA-19.9	1210	HLA B27	444
6	CEA	1357	CD4/CD8	375
7	CORTISOL	1392	Lymphocyte subset	40
8	C-PEPTIDE	228	CD19	6
9	FERRITIN	4019	Newborn Screening	703
10	FOLATE	2924	Prenatal testing	259
11	FREE PSA	445	HLA B27 by RT-PCR	16
12	FREE T3	13632	TOTAL	6605
13	FREE T4	14182		
14	TSH	22853		
15	INSULIN	357		
16	FSH	882		
17	iPTH	4254		
18	LH	770		
19	PROLACTIN	1664		
20	TESTOSTERONE	730		
21	TOTAL PSA	1646		
22	VITAMIN D	13851		
23	VITAMIN B12	10220		
24	Total	99429		

DEPARTMENT OF PATHOLOGY

Sr.	Category	Number
1.	Patients seen in OPD	NA
2.	Procedures performed (a) Major (b) Minor	Bone marrow aspiration and Biopsy- 616 USG and Non-USG guided FNAC- 1573 Total minor- 2189
3.	Any other special clinic/activity	Integrated Center for Hemophilia and Hemoglobinopathies - Drugs provided to VIII deficiency cases - 286 Von will cases- 8 VII- 10 Hemlibera- Nil IX - 2

**FOR DIAGNOSTIC DEPARTMENTS**

Sr.	Name of the test	Numbers From April 1 st , 2024 to March 31 st 2025
Routine		
1	Complete Blood Count	207095
2	PBF	11413
3	ESR	24011
4	Urine examination Chemical Examination	38452
5	Semen Analysis	174
6	PAP smear/ LBC	1344
7	Fine Needle aspiration cytology	1196
8	Exfoliative cytology	1312
9	Histopathology	7286
10	Special Stains: AFB	329
11	Special Stains: Congo red	58
12	Special Stains: PAS	325
13	Special Stains: Alcian Blue	19
14	Special stain: Masson's Trichrome	15
15	Giemsa stain	13
16	Thalassemia screening	60
17	PT-INR	47742
18	Correction studies in coagulation	3
19	HPLC	27
20	Fibrinogen assay by clotting method	70
21	APTT	10757
22	D-Dimer	2283
23	Phlebotomy	450000
24	Bone marrow Examination	416
26	BT/CT	1588
27	Reticulocyte count	1332
28	Pearl's stain	416
29	Mantoux test	320
30	CSF cell count	1653
31	Stool for occult blood	17
32	Fluid- TLC, DLC	909
33	Stem cell/ CD34 (started on 6 Dec 2024)	42
34	HLA B-27 (started in Jan 2025)	06
35	Autopsy Pathology	23
36	Medicolegal autopsy cases	28
SPECIAL TESTS (Molecular Pathology)		
1	Immunohistochemistry	517
2	Immunopathology (ANA)	354





CENTRAL FACILITIES



CENTRE FOR MEDICAL EDUCATION TECHNOLOGY (CMET)

1. The Centre for Medical Education and Technologies (CMET), AIIMS Bathinda aims to become a Centre of excellence for sensitizing and training health professions educators in the latest innovations in teaching-learning and assessment methodologies, curriculum development and educational research.

2. Towards this aim, the CMET has been actively conducting faculty development programs and has recently started a series of hands-on training workshops titled 'Training the Trainers'. In the near future, the CMET plans to conduct certified in-house training programs in medical education.

3. **The Team:**

Sr.	Name	Designation	Role
(a)	Prof. Dr. Meenu Singh	Executive Director (Additional Charge)	Patron
(b)	Prof. Dr. Akhilesh K. Pathak	Professor	Chairperson
(c)	Dr. Gagandeep Kwatra	Additional Professor	Coordinator
(d)	Dr. Navita Aggarwal	Additional Professor	Assistant Coordinator
(e)	Dr. Niket Verma	Assistant Professor	Member
(f)	Dr. Anupinder Thind	Assistant Professor	Member
(g)	Dr. Pravin Pissude	Additional Professor	Member

4. The following workshops have been conducted by the CMET in this year for the residents and faculty of the institution:

Sl. No.	Name & Topic of Workshop
(a)	Blueprinting in Assessment
(b)	Advances in Assessment in Medical Education
(c)	Residents as Teachers
(d)	Basics of Medical Education
(e)	Teach Smart: Strategies for Effective Teaching and Communication

CENTRAL LIBRARY

Name of the Department	Central Library
Head/ Incharge of the Department	Prof. (Dr.) Rakesh Kakkar

Name of the Faculty	Designation of Committee Members
Prof. (Dr.) Rakesh Kakkar	OIC Central Library
Dr Jitendra Aneja	Member
Dr Dipti Magan	Member
Dr Ankita Kankaria	Member
Dr Sivanantham K	Member

1. **Books added to Stock during the year: 4168**

- **Total Books in Stock (As on 31-03-2025): 13720**
- **Subscribed databases: 04**
 - Clinical Key
 - Clinical Key Student
 - British Medical Journal (BMJ)
 - UpToDate

2. **Subscribed Research support tools: 02**



- Grammarly for Education (Writing Enhancement Tools)
- iThenticate (Anti-Plagiarism Software)

3. No. of Books issued during the year:

Apr-June, 2024	July- Sept, 2024	Oct-Dec, 2024	Jan-Mar, 2024
396	578	710	762

4. Number of users during the year.

Apr-June, 2024	July- Sept, 2024	Oct-Dec, 2024	Jan-Mar, 2024
2182	2749	1523	2510

5. Events organized.

- A demonstration workshop was organized for Clinical Key Flex on 11th April 2024.
- A training workshop was organized by ERMED on 27th June 2024.
- A demonstration workshop was organized for Clinical Key students on 17th October 2024.
- A workshop was organized by QMed on 7th November 2024.

6. Facilities. The central library is fully air-conditioned and equipped with Wi-Fi, CCTV surveillance, and fire alarm system. The reading hall (central library-1) accommodates over 200 students with comfortable furniture. A dedicated faculty reading also available in central library.



INSTITUTIONAL ETHICS COMMITTEE (IEC)

Sr.	Name of Member	Role
1.	Dr. Joseph L Mathew, Professor, Department of Pediatrics, PGIMER Chandigarh	Chairperson
2.	Dr. Jitendra Aneja, Additional Professor, Department of Psychiatry, AIIMS Bathinda	Member Secretary
3.	Dr. Priti Chaudhary, Additional Professor, HOD Anatomy, AIIMS Bathinda	Basic Medical Scientist - Alt Member Secretary (Dual Role)
4.	Dr. Akhilesh Pathak, Prof. Dean (Academic), AIIMS Bathinda	Basic Medical Scientist
5.	Mr. Parmod Kumar Goyal, Principal cum Professor & Head, Department of Forensic Medicine, Adesh Institute of Medical Sciences & Research, Bathinda	Basic Medical Scientist
6.	Dr. Mirdul Madhav Pandit Rao, Professor & Head, Department of Anaesthesia, Adesh Institute of Medical Sciences & Research, Bathinda	Clinician
7.	Prof.Dr. Anuradha Raj, Additional Professor & Head, Department of Ophthalmology, AIIMS Bathinda	Clinician



8.	Prof.Dr. Lajya Devi Goyal, Professor & Head of Department of Obstetrics & Gynecology, AIIMS Bathinda	Clinician
9.	Dr. Bali Bahadur, Associate Professor, Department of Sociology, Central University of Punjab	Social Scientist
10.	Rohit Sharma, LLB (Persuing LLM)	Legal Expert
11.	Ms. Sangeeta Saxena, Principal, The Millenium School, Sushant City -1, Bathinda	Lay Person
12.	Dr. Abhinav Kanwal, Assistant Professor, Department of Pharmacology, AIIMS Bathinda	Scientific Member

7. After due permission of the chairperson, proceedings of the meeting started with the discussion of the projects submitted to the IEC. During the above stated meetings, total of 121 projects were discussed. Details are:

- (a) 65 research projects of faculty.
- (b) 11 STS projects.
- (c) One non-STS project.
- (d) 44 P.G. thesis protocols.

INTERNAL COMPLAINTS COMMITTEE (ICC)

PREVENTION OF SEXUAL HARASSMENT AT WORKPLACE

1. As per the guidelines issued by Ministry of Women and Child development, all the organizations having more than 10 personnel/officials must constitute an ICC committee in pursuance of the “Sexual harassment of Women at workplace Prevention, Prohibition and Redressal act 2013”. This act ensures that women are protected against sexual harassment at all work place be it in public or private. The act contributes to the realization of women’s right to gender equality, life and liberty in working conditions everywhere. The sense of security at workplace will improve women’s participation in work resulting in their economic empowerment and growth.

Sr.	Name	Designation	Role
(a)	Dr. Gitanjali	Prof. & Head, Biochemistry	Chairperson
(b)	Dr. Priti Chaudhary	Addl. Prof. & Head, Anatomy	Member
(c)	Dr. Anuradha Raj	Prof. & Head, Ophthalmology	Member
(d)	Dr. Vaibhav Saini	Addl. Prof. & Head, ENT	Member
(e)	Dr. Jitender Aneja	Addl. Prof, Psychiatry	Member
(f)	Dr. Jyoti Barwa	Addl. Prof, FMT	Member
(g)	Dr. Sonia Kochhar	Addl Prof. & Head, Physiology	Member
(h)	Dr. Ramnika Aggarwal	Addl. Prof, CFM	Member
(j)	Dr. Narinder Kaur Walia	Associate Prof, INER	Member
(k)	Dr. Lata Goyal	Associate Prof, Dentistry	Member
(l)	Mrs Veenu Goyal	NGO	Member

2. The committee organizes regular lectures on “Orientation of Sexual harassment at work place against women” at AIIMS Bathinda to sensitize the students, faculties, nurses, staffs, supporting staffs and administration on various occasions. The aim of this sensitization programme is to create awareness amongst the employees of AIIMSBathinda regarding the POSH (Prevention of sexual harassment) act 2013. The contact details of the committee are also displayed on all the notice boards at college campus, OPD premises and hostel premises.



WOMEN GRIEVANCE CELL

Internal Complaints Committee constituted in compliance with section 4 (1) of The Sexual Harassment of Women at Workplace (Prevention, Prohibition & Redressal) Act 2013

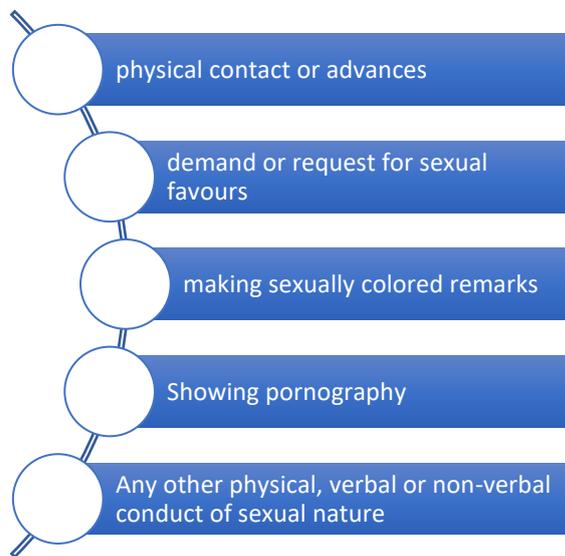
The institute recognizes the right of every woman to a safe and secure workplace environment irrespective of her age or employment/work status. It is under strict surveillance and strives to create a workplace free of sexual harassment.

COMMITTEE MEMBERS

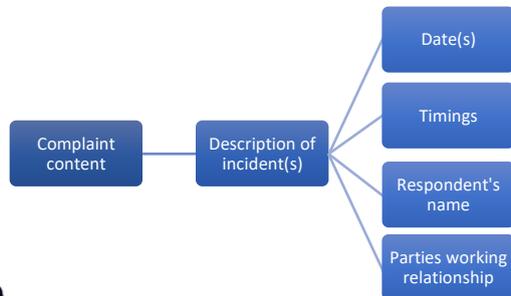
NAME OF OFFICIAL	ROLE IN COMMITTEE
Prof. Dr Gitanjali	Chairperson
Dr Anuradha Raj	Member
Dr Priti Choudhary	Member
Dr Jitender Aneja	Member
Dr Sonia Kochhar	Member
Dr Anuradha Raj	Member
Dr Vaibhav Saini	Member
Dr Jyoti Barwa	Member Secretary
Dr Ramnika Aggarwal	Member
Dr Narinder Kaur Walia	Member
Dr Lata Goyal	Member

What is Sexual Harassment at Workplace?

Anyone or more of the following unwelcome Acts or behaviour by the employee/staff



WHO CAN COMPLAIN ?





INFORMATION TECHNOLOGY (IT) CELL

1. All India Institute of Medical Sciences, Bathinda has a functional IT Cell and it has its own website which is developed and maintained in house by IT cell. AIIMS Bathinda is in the process of drafting an IT vision document which envisages comprehensive information, communication, technology enabled environment in AIIMS, Bathinda. AIIMS, Bathinda has recruited 5 Programmers (IT) on contractual basis and has also created the Information Technology cell as under to assist the Administration.

2. **Website.** The IT cell has designed and developed the Website of the institute. The IT cell continued to maintain the website and add functionality as and when required. Website provides all information related to following points: -

<p>(a) Home Page</p> <p>(b) Administration:</p> <ul style="list-style-type: none"> (i) Hon'ble Health Minister & President of CIB (ii) President AIIMS, Executive Director (iii) Founding Executive Director (iv) Dean (v) Office Bearers (vi) Committees (vii) Directory (viii) List of Holidays (ix) Office orders & Acts (x) RTI (xi) Official Downloads (xii) Anti-Ragging <p>(c) All Departments- 42 Department Detail in which include</p> <ul style="list-style-type: none"> (i) Departmental Information (ii) Faculty (iii) OPD Schedule (iv) Research Projects (v) Expansion Plan <p>(d) Hospital</p> <ul style="list-style-type: none"> (i) Patient Online Registration Portal (ORS) (ii) OPD Schedule (iii) Rate List (iv) Patient Portal (v) BMW Report <p>(e) Recruitment</p> <ul style="list-style-type: none"> (i) Faculty (ii) Non-Faculty (iii) Senior/Junior Resident (iv) Project Posts (v) Assessment Promotion Scheme 	<p>(f) Procurement</p> <ul style="list-style-type: none"> (i) Limited Tender (ii) Quotations (iii) Open Tender (iv) Engineering & Estate Tenders <p>(g) Academics</p> <ul style="list-style-type: none"> (i) Notification (ii) Guidelines & Circular (iii) Exams (iv) Results (v) Courses (vi) Training Forms (vii) Ongoing Research Projects (viii) Scholarship Links <p>(h) Research</p> <ul style="list-style-type: none"> (i) Guidelines & Circular (ii) Downloads (iii) Related Links <p>(i) News & Events</p> <ul style="list-style-type: none"> (i) News (ii) Events <p>(j) Gallery- User can access gallery of recent events</p> <p>(k) Contact- User can access AIIMS location on map, feedback form & Address.</p>
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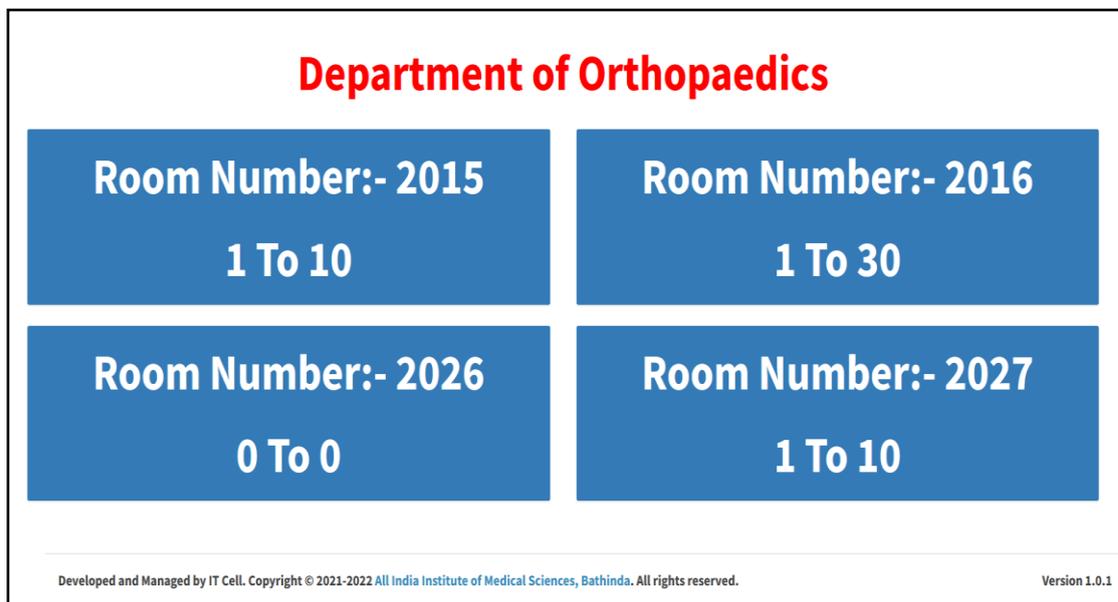
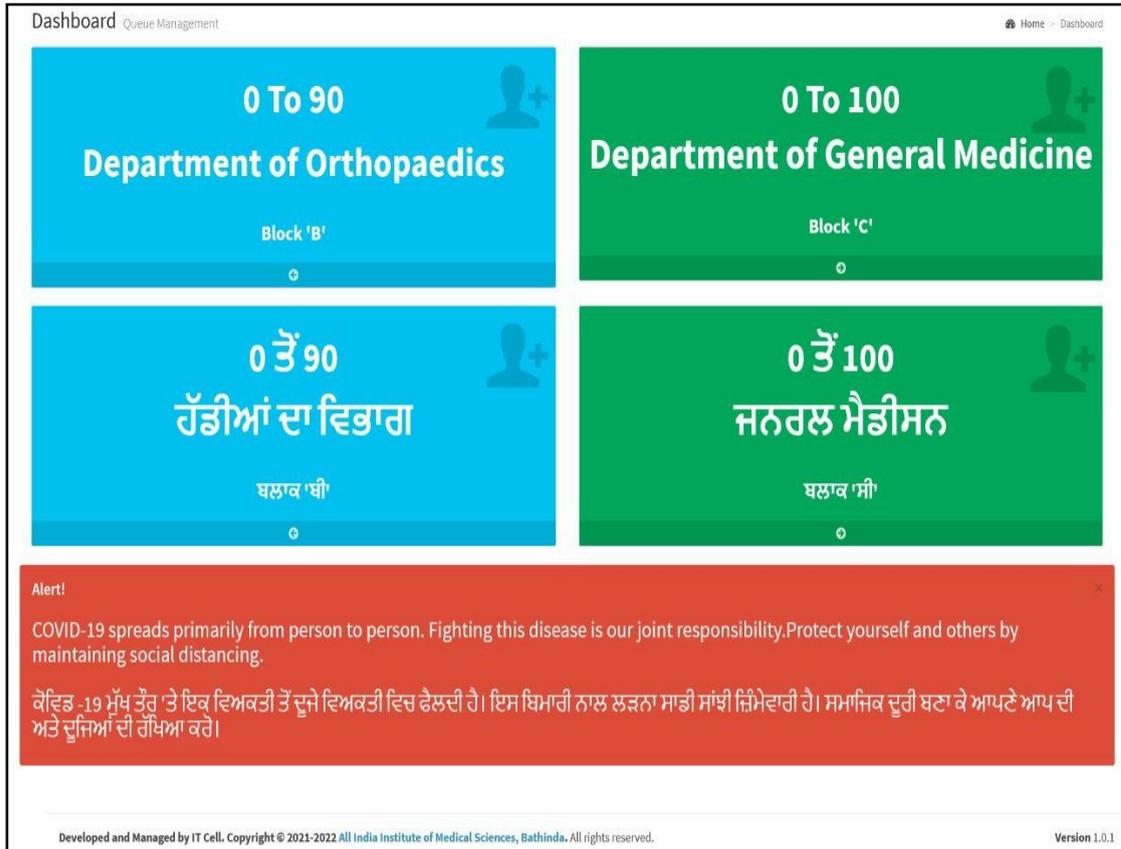


Website Screenshot Providing the Details of the Hospital Services & Ors

3. **Major Services and Developments of the IT Cell.**

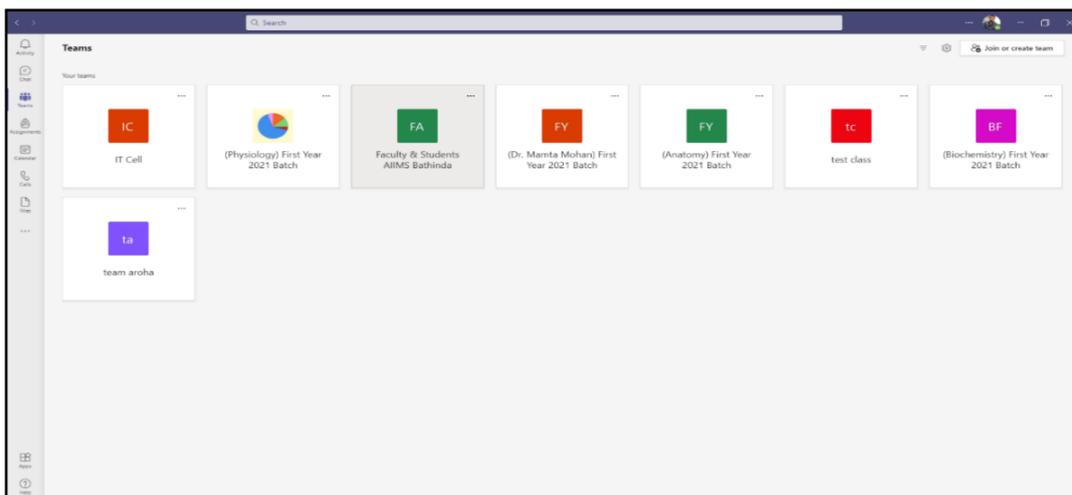
Platforms that are implemented by IT Cell are mentioned below: -

- (a) **Queue Management System (QMS).** The IT Cell has designed and developed the queue management system for the management of patient’s queue for various departments in the hospital. QMS is running on the LED displays installed in OPD Block. The QMS system is bilingual and works in both English as well as Punjabi language. QMS can also function on a room-wise basis, enabling efficient management of queues and patient flow within specific rooms.

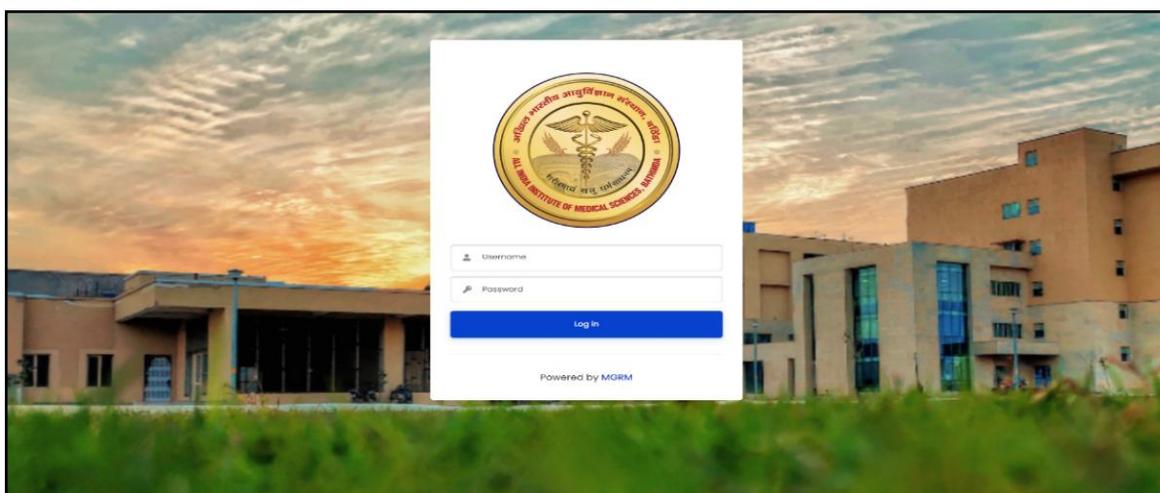




- (b) **Google Workspace.** In addition to the website & QMS, IT cell has been providing mail services through G Suite (Google Workspace). The extension of this service has enabled the use of Google Classrooms as a basic LMS service for the departments in the campus. File sharing and recording of lecture is available in this platform. Various apps are available through workspace such as Gmail, Google calendar, Meet, Assignments, Forms and sheets etc.
- (c) **Microsoft Teams.** Online classes, Assignments can be taken through MS Teams. Faculty can interact one to one as well as with whole class using Teams as well as email with Microsoft account. File sharing and recording of lecture is available in this platform. Data storage of 1 TB per account is given by Administration to store, transfer data such as video lectures, assignments, photographs etc.



- (d) **Learning Management System from RailTel.** On Pilot basis, Ministry of Health and Family Welfare, selected AIIMS Bathinda and AIIMS Raebareli to implement Learning Management System (LMS) and this software will be used to digitize all the academic records for students & faculty through a single integrated platform. The proposed platform would also cater the needs of online learning/e-learning for on Campus and Remote Students (Learning Support Platform) across the medical institute. OIC IT is the Nodal officer for the implementation of the LMS at AIIMS Bathinda.

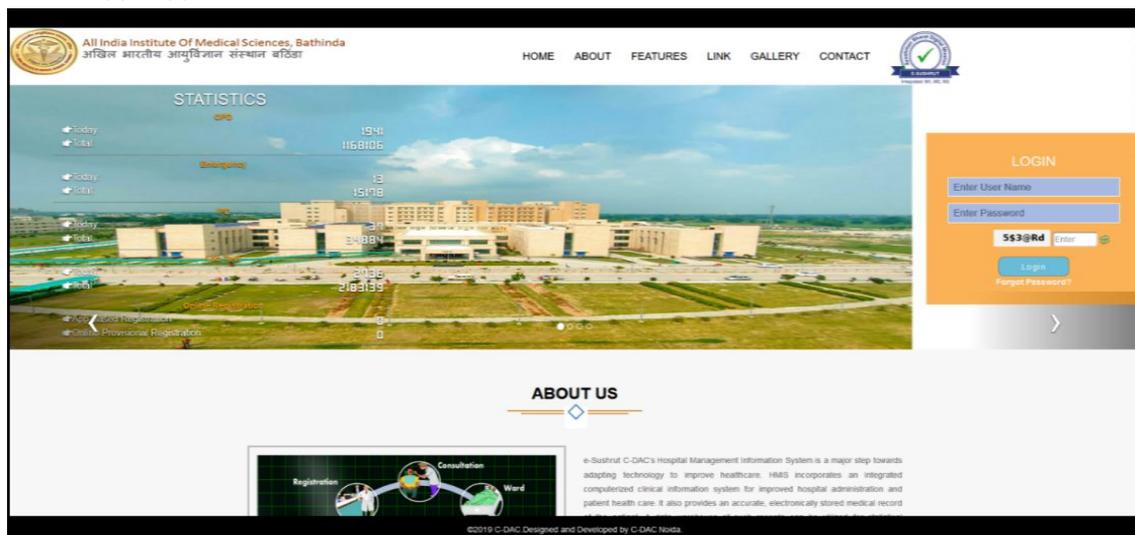




(e) **Hospital Management Information System (HMIS).** HMIS called eSushrut has started functioning from day-one of beginning of the OPD services and is a major step towards adapting technology to improve healthcare. This HMIS incorporates an integrated computerized clinical information system for improved hospital administration and patient health care. It also provides an accurate, electronically stored medical record (EMR) of the patient. An Electronic Health Record (EHR) is an electronic version of a patient’s longitudinal health record. EHR may contain medical history, diagnosis, medications, treatment plans, immunization dates, allergies and test results of a patient across time. Modules which are currently working in HMIS are: -

- (i) Patient Registration.
- (ii) Emergency Registration.
- (iii) Patient Enquiry.
- (iv) OPD with Order Management.
- (v) IPD Management System.
- (vi) ADT (Bed Management).
- (vii) Investigation for Labs.
- (viii) EMR.
- (ix) Pharmacy and Inventory Management.
- (x) Alert Management.
- (xi) User Management.
- (xii) Online Appointment-Registration System.
- (xiii) Mobile Apps- Provisional Registration.
- (xiv) Investigation report Viewing.
- (xv) Integration with PSS and PHRMS Equipment Interfacing.
- (xvi) OT and Anaesthesia.
- (xvii) MRD.
- (xviii) CSSD.
- (xix) Laundry
- (xx) E-Raktkosh (BBMS)
- (xxi) BMED

HMIS Module Diet Kitchen is Non-Functional due to services not being available at AIIMS Bathinda.



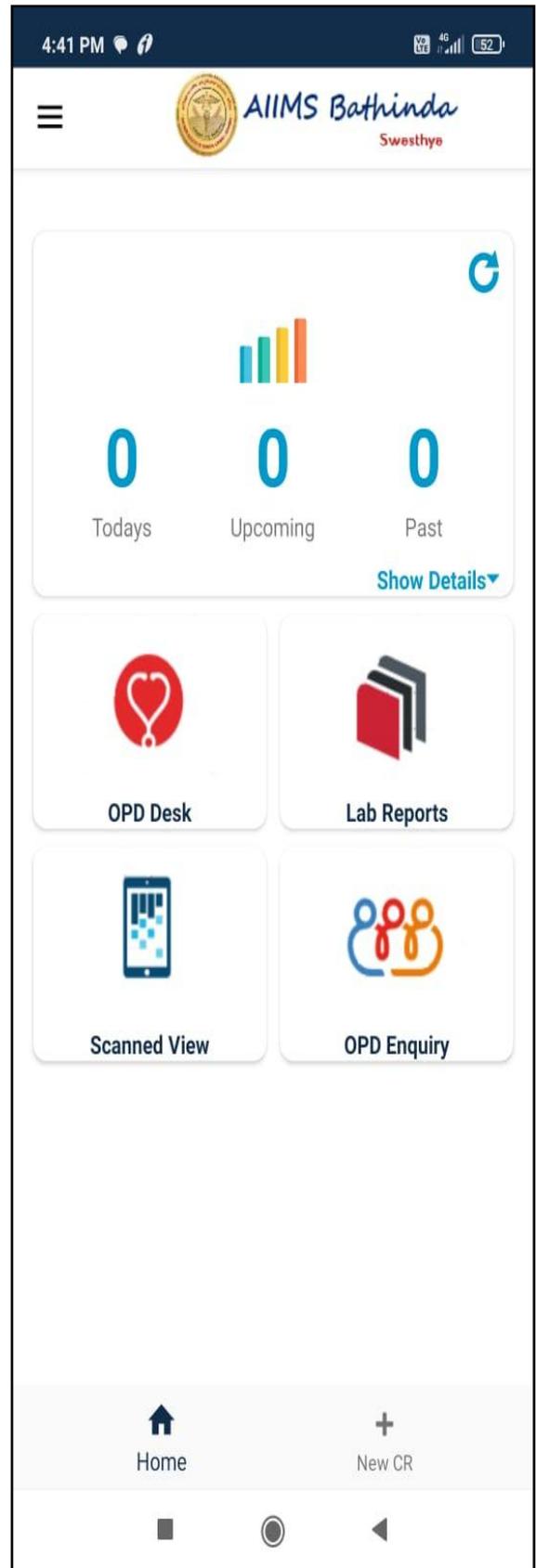


(f) **Mobile Applications.** The mobile applications are currently live.

Featured Buttons	Feature details
Last release date	29-05-2025
Patient Centric Features	
Appointment	OPD Appointment for special and general Clinics
Request Status	Request status of appointments taken
Billing	User can make the payment for raised investigation request
Billing History	User can View e-Billing payment history
eVisit	User can mark his/her visit while in hospital premises
eVisit History	User can View e-Visit history
ABHA	User can Create or Login ABHA for Scan and Share
QR Code	View QR Code and Bar code of Patient CR
Rx View	User can view its RX in pdf format
OPD Enquiry	Roster of the various departments with building, Room and days
LAB Enquiry	Lab test tariff enquiry
Tariff Enquiry	Hospital tariff enquiry
Patient Registration	User can register as a patient
Self-Registration	Self-Registration for OPD through scanning the QR code
Queue No slip	Queue number after self-registration
Staff Centric Features	
OPD Desk	Doctor can create the ex
Nurse Desk	Nurse can mark patient visit and capture the vitals
Lab Reports	View /download patients Lab reports by entering the number
Rx View	View /download patients Rx reports by entering the number



Patient Login



Doctor Login

- (g) **College Management System.** On Pilot basis, Ministry of Health and Family Welfare, selected AIIMS Bathinda and AIIMS Raebareli to implement College Management System (CMS) and this software will be used to digitize all the academic & administrative records for students & staff through a single integrated platform.

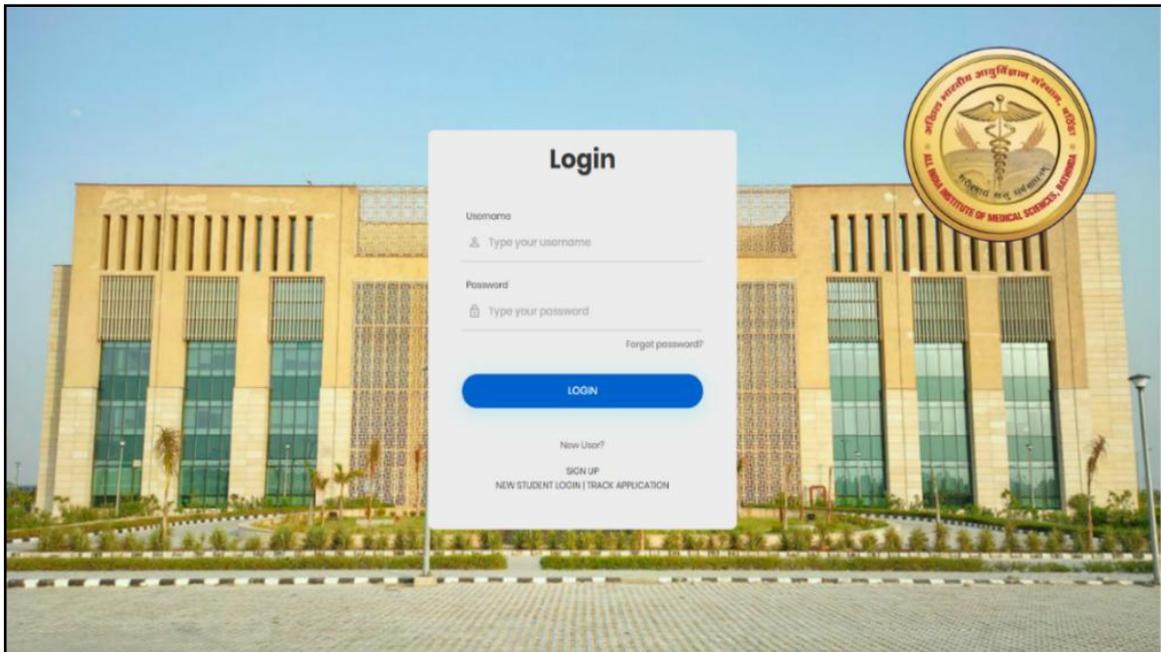
Modules.

(g.1) **Student Management.**

- (g.1.1) Application configuration & Setup.
- (g.1.2) Student Information.
- (g.1.3) Result.
- (g.1.4) Attendance.
- (g.1.5) Examination.
- (g.1.6) Time Table.
- (g.1.7) Library.
- (g.1.8) Transport.
- (g.1.9) Hostel Management.

(g.2) **Administration.**

- (g.2.1) Employee Management.
- (g.2.2) Inventory & Procurement.
- (g.2.3) Fee & Fine.
- (g.2.4) Payroll.
- (g.2.5) Financial Management & Book Keeping.
- (g.2.6) System Administration.
- (g.2.7) MIS Module.
- (g.2.8) SMS Module Administration.



(h) **eoffice.** The eOffice at AIIMS Bathinda has been successfully implemented. All the files are being routed through eOffice only. The OIC IT Cell is the Nodal Office for the implementation of eOffice.

(i) **eSanjeevani OPD.** A doctor to patient telemedicine system has been deployed nationally by the Ministry of Health & Family Welfare under Ayushman Bharat Scheme of Government of India. The scheme is particularly useful during times of pandemic Covid-19 as it helps people avoid going out to consult a doctor or visit a hospital. Through eSanjeevani OPD, anyone can seek medical advice and medication through audio and video. With the introduction of this service, people living in the remotest areas will also be able to get their health-related consultation. AIIMS Bathinda started Teleconsultation using portal eSanjeevani OPD. Admin Panel in which new entries of **doctors for various departments, record updation is maintained by IT Cell.**



The advertisement features the Ministry of Electronics and Information Technology logo, the Digital India logo, and the eSanjeevani OPD logo. It includes the text 'Digital India AatmaNirbhar India' and 'eSanjeevani National Telemedicine Service: Providing Risk-free, Contactless & Safe healthcare services'. A central image shows Prime Minister Narendra Modi. Below, a list of institutions offering services is provided, along with a note that services are free of cost through 3.75 lakh Common Service Centres. A woman is shown using a laptop on the right side.

6 Years of Digital India

eSanjeevani
National Telemedicine Service:
Providing Risk-free, Contactless
& Safe healthcare services

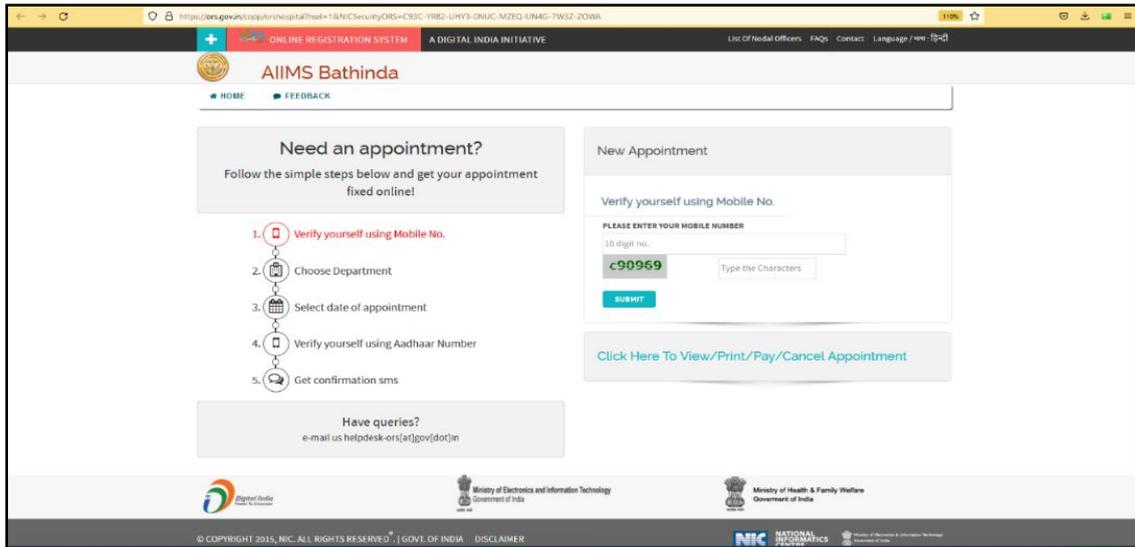
Numerous premier institutions are offering general and specialised services through eSanjeevani:

- AIIMS Bathinda
- AIIMS Bibinagar
- AIIMS, Rishikesh
- AIIMS Kalyani
- Lady Hardinge Medical College and Hospital

eSanjeevani services are now available free of cost through 3.75 lakh Common Service Centres across the country

Digital Healthcare

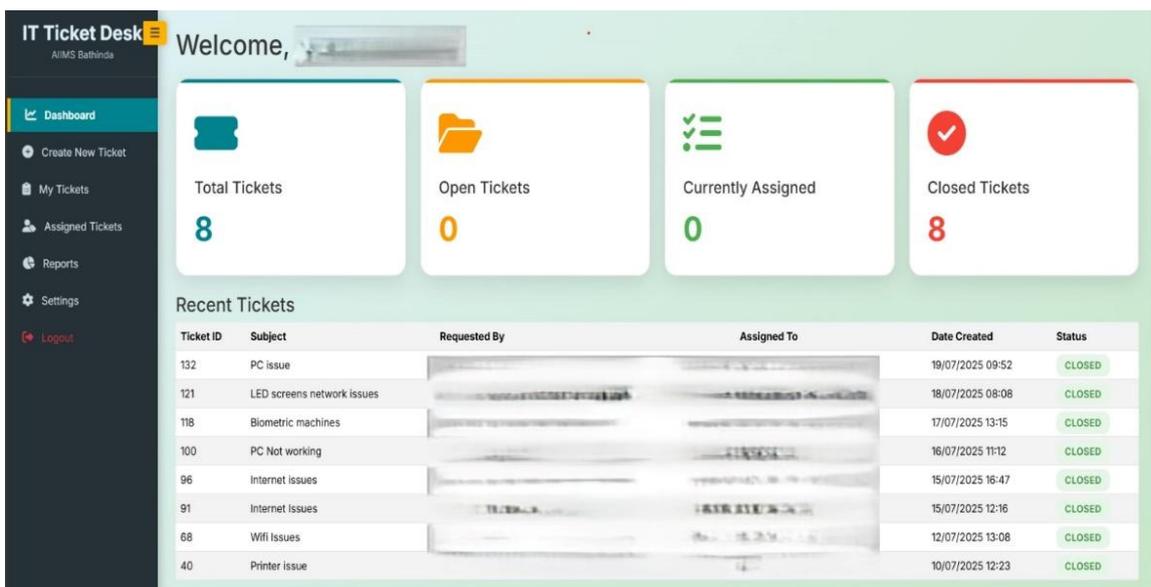
(i) **Online OPD Registration.** Online Registration System (ORS) is a framework to link various hospitals across the country for Aadhaar based online registration and appointment system where counter based OPD registration and appointment system through Hospital Management Information System (HMIS) has been digitalized. Portal facilitates online appointments with various departments of different Hospitals using eKYC data of Aadhaar number if patient's mobile number is registered with UIDAI. And in case the mobile number is not registered with UIDAI it uses patient's name. New Patients will get appointment as well as Unique Health Identification (UHID) number. If Aadhaar number is already linked with UHID number, then appointment number will be given and UHID will remain the same. AIIMS Bathinda started online appointment using ORS portal. Admin Panel in which new entries of doctors for various departments, OPD schedule, record updation is maintained by IT Cell.



(j) **IT Ticket Desk.** The IT Cell at AIIMS Bathinda has made a significant contribution to the enhancement of technical support services within the institution by developing a comprehensive Ticket Desk Software. The end users can now raise ticket if they want any kind of IT related support from IT Cell. Separate ticket number will be generated for every request. This innovative solution is designed to provide transparent, efficient and effective technical support to both hospital services and administrative functions, thereby streamlining operations and improving overall productivity.

Key Features of the Ticket Desk Software:

- **Centralized Ticket Management System:** The software enables users to raise tickets for technical issues or support requests, which are then tracked and managed in a centralized system.
- **Prioritization and Categorization:** Tickets are prioritized and categorized based on their urgency and nature, ensuring that critical issues are addressed promptly and efficiently.
- **Real-time Tracking:** Users can track the status of their tickets in real-time, providing transparency and accountability throughout the support process.





4. **Network.** AIIMS Bathinda signed MoU with the National Knowledge Network (NKN) for the internet connectivity and 1 GBPS internet link is working in AIIMS Bathinda. OIC IT is the nodal officer and IT Cell is coordinating with the NKN regarding the network related works. BSNL also serves as both the ISP and PRI provider, with the IT Cell serving as the nodal department and also overseeing day-to-day coordination with the relevant department for related tasks.
5. **Firewall & Network Devices.** The IT Cell is responsible for the management and oversight of critical network devices, including firewalls, ISRs, PRIME, and WLC. IT Cell ensures the seamless operation of network services by handling configuration and policy-based tasks.
6. **Cybersecurity Measures.** OIC IT is appointed as Chief Information Security officer (CISO) at AIIMS Bathinda. IT Cell is managing cybersecurity measures such as Log monitoring, EDR (Endpoint Detection and Response), FortiAuthenticator etc. IT Cell is coordinating with the various agencies regarding the cyber security measures like Cert-In, NCIIPC etc.
7. **Biometric Register.** The IT Cell has successfully engineered a specialized software application with the primary purpose of converting the raw data generated by our biometric machines into a format compatible with our biometric register system. This innovative solution streamlines the process of recording and managing biometric data, making it more accessible and convenient for administrative purposes. By seamlessly integrating raw data into the biometric register, this application enhances the efficiency of record-keeping procedures.
8. **Email Services.** AIIMS Bathinda is using NIC Email services under the domain 'aiimsbathinda.edu.in'. OIC IT is the nodal officer for the same and IT Cell is operating admin panel of NIC Email services. Services like creation of new email account, deactivation of account etc. along with the renewal of VPN and email services subscription is operated and maintained by the IT Cell. Additionally, Google workspace services under the domain 'aiimsbathinda.in' is subscribed by the AIIMS Bathinda from Google and google email services along with the admin panel is also managed and operated by the IT Cell.
9. **Video Conferencing (VC) Room.** Set up for the video conferencing is installed in ground floor of Medical College, AIIMS Bathinda by IT Cell using various devices such as LED Display (12*6 Feet), Video End Point, Microphones etc. Administration is using this VC room for videos conferences such as meetings, lectures, interviews on various platforms like google meet, cisco Webex, Zoom, Microsoft Teams etc.
10. **Telemedicine Room.** A telemedicine room has been set up in the ground floor of IPD by the IT Cell and all the equipment's required for the video conferencing such as 85 Inch Display, PC, Microphones and Web camera has been installed in that room. This room is equipped to roll out the eSanjeevani services in AIIMS Bathinda. This room is additionally equipped to facilitate consultants in appearing before the court virtually at AIIMS Bathinda.
11. **Data Center.** The IT Cell has successfully procured the essential equipment for the in-house data center at AIIMS Bathinda, and the installation has been completed. The critical Hospital Information Management System (eSushrut) is now being hosted effectively from AIIMS Bathinda's in-house data center, with the IT Cell responsible for managing its services.
12. **Procurement in IT Store.** The IT Cell has procured IT-related equipment and items through both the GeM portal and direct purchasing channels. This strategic procurement approach ensures that our organization has access to the necessary technological resources including consumables and non-consumables required for optimal functionality.



13. **Technical support for CPC-CGR PG session and other Academic activities.**

The IT Cell is providing crucial technical support for the smooth conduct of these academic sessions, ensuring seamless execution. The IT Cell's support included:

- (a) Technical assistance for online lectures and workshops.
- (b) Maintenance of digital platforms and infrastructure.
- (c) Troubleshooting technical issues and providing prompt solutions.

MEDIA CELL

The Media Cell has been instrumental in sharing updates on AIIMS Bathinda's events, achievements, and research breakthroughs with various Social Media Handles.

1. **Social Media.** Social media is intended to provide individuals the ability to access information quickly and communicate with others. AIIMS Bathinda utilize these tools and websites to share information with consumers in a variety of ways such as sharing general information through Content sharing like videos, photographs, text posts etc.
2. AIIMS Bathinda regularly share updates, news, and events, keeping the public informed about the institute's activities. AIIMS Bathinda has a strong social media presence with the following social media platforms: -
 - a. Facebook: <https://www.facebook.com/share/175QCi3bEU/>
 - b. Twitter: <https://x.com/AiimsBathinda>
 - c. Instagram: <https://www.instagram.com/aiimsbathinda?igsh=MXgwMjlsZXNzMHNjMQ==>
 - d. Threads: <https://www.threads.net/@aiimsbathinda>
3. **YouTube.** Official Page on YouTube (<https://www.youtube.com/AIIMSbathinda/>) is used to interact with people for patient welfare through videos using Video Lectures, Exercise videos etc.
4. The Media Cell of AIIMS Bathinda successfully conducted a series of live events, i.e. Convocation, International Yoga Day etc. effectively utilizing digital platforms to disseminate information and engage with the audience.
5. The following person has been nominated vide office order AIIMS/BTI/Admin/OO/ 1533 dated 26 July 2023.

Name	Designation
Prof. (Dr.) Tarun Goyal, Professor & Head, Department of Orthopedics	Public Relation Officer (PRO) and Official Spokesperson



RTI CELL

1. **Established: -**
(a) The RTI Cell was set up at AIIMS Bathinda in the year 2020.
2. **Faculty/Staff deputed in the RTI Cell: -**
RTI Cell was set up with the approval of the Director, AIIMS Bathinda and Nodal Officer, AIIMS Bathinda, which consists of the following members: -

Sr.	Department	Nominated Official	Role
(a)	RTI Cell	Er. Rakesh Singla (Assistant Controller of Examination)	Nodal Officer
(b)	RTI Cell	Dr. Pravin Pisudde (Additional Professor)	Transparency Officer
(c)	Hospital (Clinical Departments) including	Prof. Dr. Rajiv Kumar Medical Superintendent	FAA
(d)	Central Store)	Dr. Moonis Mirza Dy. Medical Superintendent (Dr. Purushottam , Assistant Professor, shall look after the duties in the absence of Dr. Moonis Mirza)	CPIO
(e)	Medical & Nursing College, including Hospitals and	Prof. Dr. Akhilesh Pathak Dean (Academics)	FAA
(f)	Central Library	Dr. Navita Aggarwal Registrar Dr. Agyapal Singh Registrar (updated)	CPIO (Medical College)
(g)		Prof. Dr. Kamlesh K Sharma Principal, INER	CPIO (Nursing College)
(h)	Research Cell	Prof. Dr. Lajya Devi Goyal Dean (Research cell)	FAA
(i)		Prof. Dr. Anuradha Raj Associate Dean (Research)	CPIO
(j)	Examination Cell	Prof. Dr. Gitanjali Dean (Examination)	FAA
(k)		Prof. Dr. Ajay Kumar Associate Dean (Examination)	CPIO
(l)	Accounts	Col Rajeev Sen Roy Dy. Director (Administration)	FAA
(m)		Mrs. Leena Kumari Accounts Officer	CPIO
(n)	Administration. Establishment, Recruitment, Engg. & Estate, RTI, IT,	Col Rajeev Sen Roy Dy. Director (Administration)	FAA
(o)	Transport, Security, and Guest House	Dr. Rattan Singh Associate Professor, Department of FMT	CPIO

3. **Preparation of RTI SoPs: -**
(a) A meeting of the RTI Cell was held in the month of July 2020, in which the SoPs and

other rules/formats of the RTI Cell were prepared and sent to the Director, AIIMS Bathinda for approval.

- (b) The SoPs were duly approved by the Director, AIIMS Bathinda, and were implemented accordingly by the RTI Cell.

4. RTI Cell Record (1st April 2024 to 31st Mar 2025): -

No. of RTI Applications received	-322
No. of RTI Applications replied	-310
No of RTI Reply Pending	-12

HORTICULTURE CELL



PLANTATION HAS BEEN CARRIED OUT THROUGHOUT THE CAMPUS WITH A VARIETY OF PLANTS, AND TREES THROUGH MEGA PLANTATION DRIVES ON VARIOUS DAYS CELEBRATED IN THE INSTITUTE UNDER THE ABLE GUIDANCE OF THE HON'BLE EXECUTIVE DIRECTOR, AIIMS BATHINDA





EXAMINATION CELL

1. **Established:**
 - (a) Examination Cell was set up temporarily in the OPD Building, AIIMS Bathinda in the year 2020.
 - (b) Examination Cell Shifted in Ground floor, Medical College AIIMS Bathinda in the year 2021.
 - (c) One Examination Hall with the seating capacity of 100 students

2. **Objective:**
 - (a) Take all necessary steps to ensure timely, smooth, and transparent conduct of examination (U.G. & P.G.) with desired credibility and uniformity.
 - (b) To co-ordinate with the faculty of the institution and the constituent colleges to ensure compliance with the objective above.
 - (c) To maintain the record of all pre and post examination activities along with the batch-wise, (Paper setting, moderation, valuation & timely declaration of the result).

3. **Faculty/Staff deputed in the Examination Cell:**
 The faculty/staff of Examination Cell consists of the following members: -
 - (a) Prof. (Dr.) Gitanjali – Dean (Examination)
 - (b) Dr. Ajay Kumar – Associate Dean Examination
 - (c) Er. Rakesh Singla – Assistant Controller of Examination
 - (d) Mr. Sagar Dixit – Junior Administrative Assistant

4. **A list of Coordinator in the Examination Cell for smooth conduction of Various Professional Examination:**
 - (a) Dr. Bhawana, Assistant Professor AIIMS Bathinda coordinates for 1st Professional MBBS Examination.
 - (b) Dr. Apurva Patra, Associate Professor coordinates for 2nd Professional MBBS Examination
 - (c) Dr. Jyoti Barwa, Additional Professor & Dr. Ankita Soni, Associate Professor coordinates for 3rd Professional Examination
 - (d) Mr. Atul Sharma, Assistant Professor AIIMS Bathinda Coordinates for all B.Sc. (Hons.) Nursing Examination
 - (e) Dr. Sonia Kochhar, Additional Professor, Dr. Gagandeep Kwatra Additional Professor & Dr. Niket Verma, Assistant Professor coordinates for MD/MS Examination.

5. **Preparation of MBBS Examination SoPs: -**
 - (a) SoPs of Examination are passed in first standing Academic Committee in 2022.
 - (b) Rules of Examination are finalized for conduction of the 3RD Professional (Part II) Examination M.B.B.S. Batch 2019.
 - (c) Finalized the format of Internal Examination Sheets and Printing of Answer sheets.
 - (d) Various updating for the Format of Answer Booklets for MBBS Professional.
 - (e) Examination was finalized by the Examination Committee and was approved by the Director, AIIMS Bathinda.
 - (f) Prepare & use the OMR Sheets in Limited Departmental Competitive Examination.



6. **Professional Examination of UG (MBBS Course):**
 - (a) Second Professional MBBS Examination Batch 2021 & Supplementary Professional Examination Batch 2020 was conducted in the month of May 2024 & declared the result in AIIMS Bathinda.
 - (b) Second Professional Supplementary MBBS Examination Batch 2021 & Re-supplementary Examination Batch-2020 was conducted on August 2024 & declared the result.
 - (c) First Professional MBBS Examination Batch 2023 & Supplementary Batch-2022 & 2021 was conducted on September 2024 & declared the result.
 - (d) First Professional Supplementary MBBS Examination Batch -2023 was held in the month of November, 2024 in AIIMS Bathinda & declared the Result.
 - (e) Final Professional MBBS Examination Batch – 2020 was conducted in the month of March, 2024 in IIMS & declared the result.

7. **Professional Examination B.Sc. (Hons.) Nursing:**
 - (a) Phase -I Professional B.Sc. (Hons.) Nursing Examination Batch - 2023 conducted in the of June 2024.
 - (b) Phase -II Professional B.Sc. (Hons.) Nursing Examination Batch -2022 & Re-supplementary Professional Batch-2021 conducted in the month of July ,2024.
 - (c) Phase-III Professional B.Sc. (Hons.) Examination Batch -2021 was conducted in the Month of August,2024.

8. **Examination B.Sc. Medical Radiography and Imaging Technology (MRIT):**

First Year B.Sc. MRIT Final Examination conducted in the month of October 2024.

9. **Professional Examination of PG (MD/MS/MDS Course):**

MD/MS/MDS Professional Examination Batch-Jan 2022 was held in the month of January, 2025 in AIIMS Bathinda & declared the Result.

10. **Task Achievement:**
 - (a) The works of Examination Cell on LMS software such as submission of Professional Examination form and result was also published through software.
 - (b) DM/MCH/MD/MS Exam and preparation/finalization of format as DM/MCH/MD/MS started.
 - (c) To enhance the checking/evaluation of answer booklet timely and keeping the secrecy intact, Table Marking started in the Examination Cell.
 - (d) MCQ papers checked through OMR machines.
 - (e) For meticulous record keeping & storage of confidential files compactors was installed.
 - (f) OMR machine with the software was purchased for quick and accurate checking of all the MCQ answer sheets for all professional Examinations



HOSPITAL INFECTION CONTROL COMMITTEE

1. Under the guidance of our worthy Director, Prof Dr. Dinesh Kumar Gupta, the Hospital Infection Control Committee was formulated on 29 August 2020. As new senior faculty members joined AIIMS Bathinda, the committee was reconstituted on 22 March 2022 by Prof Anil Goel, Medical Superintendent.

Sr.	Name and Designation	Department	Role
(a)	Prof. (Dr.) Rajiv Kumar, Medical Superintendent and Head Department of CTVS	Medical Superintendent	Chairman
(b)	Dr. Kamla Kant, Associate Professor	Microbiology	Member-Secretary
(c)	Prof. (Dr.) Anju Grewal, Chairperson O.T. committee and Head department of Anaesthesiology	Anaesthesiology	Member- Core Committee
(d)	Prof. (Dr.) Lajya Devi Goyal, Head Department of Obstetrics & Gynaecology, Chairperson AMSP Committee	Obstetrics & Gynaecology	Member- Core Committee
(e)	Prof. (Dr.) Tarun Goyal, OIC, CSSD, Head Department of Othopedics	Orthopedics	Member- Core Committee
(f)	Dr Moonis Mirza, Associate Professor, Head Department of Hospital Administration & OIC Sanitation	Hospital Administration	Member- Core Committee
(g)	Dr. Purshottam, Assistant Professor-cum-DMS	Hospital Administration	Member- Core Committee
(h)	Prof. (Dr.) Kamlesh Kumari Sharma, Prinicpal	College of Nursing	Member- Core Committee
(j)	Dr. Sivanatham K, Associate Professor & OIC Infection Committee	Microbiology	Member- Core Committee
(k)	All HODs from Medical Disciplines		Member
(l)	All HODs from Surgical Disciplines		Member
(m)	All OICs of Supporting Services		Member
(n)	Infection Control Nurse		Member
(o)	Representative of Estate/ Engineering Department		Member

IMPORTANT ACTIVITIES UNDER HICC

Date	Event	Activities Done
13.04.2024	Training to HCWs	SA training session on BMW management, disinfection, cleaning and sanitation, hand hygiene, spill management and needle stick injury was taken.
29.04.2024	IPC Sampling	Fingertip impression sampling of HCWs was done from OT and ICUs.
01.05.2024 to 05.05.2024	Training - celebration	World Hand Hygiene Week: Sensitization was done in OPD and IPD to HCWs and patient attendants.
09.05.2024	Training to academic students	Practical and VIVA was taken for MBBS students.
09.05.2024	IPC Sampling	Nasal swabs sampling taken for carrier identification of MRSA.



10.05.2024	Training to academic students	Practical and VIVA was taken for MBBS students.
11.05.2024	Training to academic students	Practical and VIVA was taken for MBBS students.
17.05.2024	Training to HCWs	SA training session on BMW management, disinfection, cleaning and sanitation, hand hygiene, spill management and needle stick injury was taken.
17.05.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-7.
18.05.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-7.
25.05.2024	Training to HCWs	SA training session on BMW management, disinfection, cleaning and sanitation, hand hygiene, spill management and needle stick injury was taken.
30.05.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-1,2,3,4,6.
31.05.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-1,2,5.
03.06.2024	IPC Sampling	Fingertip impression sampling of HCWs was done from SICU and MICU.
14.06.2024	IPC Sampling	Moist swab direct inoculation sampling done from various surfaces in SICU-1.
17.06.2024	IPC Sampling	Moist swab direct inoculation sampling done from various surfaces in SICU-1.
21.06.2024	IPC Sampling	Finger tip impression sampling of HCWs was done from SICU and MICU.
24.06.2024	IPC Sampling	Finger tip impression sampling of HCWs was done from OT-2.
26.06.2024	IPC Sampling	Nasal swabs sampling taken for carrier identification of MRSA.
04.07.2024	Training to HCWs	ALL Microbiology staff training session on BMW management, disinfection, cleaning and sanitation, hand hygiene, spill management and needle stick injury was taken.
10.07.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-9,10,11,12,13,14.
11.07.2024	Training to academic students	Class and field visit on BMW Management was done for MBBS batch 2022 as requested by CFM department.
12.07.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in OT-11,12.
13.07.2024	Training to HCWs	SA supervisor training session on BMW management, disinfection, cleaning and sanitation, hand hygiene, spill management and needle stick injury was taken.
15.07.2024	IPC Sampling	Settle plate method and moist swab direct inoculation sampling done from various surfaces in CATH LAB.



15.07.2024	IPC Sampling	Finger tip impression sampling of HCWs was done from CATH LAB.
16.07.2024	IPC Sampling	Finger tip impression sampling of HCWs was done from SICU,MICU,PICU.
29.07.2024	Training to HCWs	SA supervisor training session was taken on BMW management
03.08.2024	Training to HCWs	SA supervisor training session was taken on spill management
06.08.2024	IPC Sampling	Finger tip impression sampling of HCWs was done from SICU,MICU,PICU.
07.08.2024	IPC Sampling	Reporting and incubation of Fingertip impression samples
20.08.2024	HICC meeting	HICC meeting Held in MS office
24.08.2024	Training to HCWs	training of SA Staff
29.08.2024 to 31.08.2024	Training to HCWs	Hand hygiene training in radiodiagnosis department
31.08.2024	Training to HCWs	Training Session on Contact precautions in pediatric ward 5D
02.09.2024	Training to HCWs	Training of wound cleaning in SICU-1
10.09.2024	Training to HCWs	Training on Hand Hygiene in biochemistry department
11.09.2024	Training to HCWs	Training on BMW and NSI in laundry Department
11.09.2024	Training to HCWs	Training on medical and surgical hand hygiene in OB&G Department
12.09.2024	Training to HCWs	Training on BMW & HH in Opthal Department
12.09.2024	Training to HCWs	Hands-on Session of BMW in Radiodiagnosis Department
12.09.2024	Training to HCWs	Training on infection control activities in laundry Department
13.09.2024	Training to HCWs	Training on BMW in Radiodiagnosis
14.9.2024	Training to HCWs	Training on HH, Standard precautions, NSI,BMW in OB&G Department
10.09.2024	Workshop	workshop of the Antimicrobial Stewardship program in Auditorium
14.09.2024	Training - celebration	Audit Regarding selection of best ward in Patient Safety week
17.09.2024	Training - celebration	Hands-on Session of BMW & NSI in CME/CNE of Patients safety week
20.09.2024	Training to HCWs	Training on Hand Hygiene in MICU-2
23.09.2024	Training to HCWs	Training on BMW, HH, NSI given to Security guards batch-1 & batch-2
23.09.2024	IPC Sampling	Environment and fingertip culture (SICU-1, SICU-2, MICU-1&2,PICU, Cath lab)
24.09.2024	IPC Sampling	Fingertip Culture CTVS OT
27.09.2024	Training to HCWs	Training on 3 bucket system given to SA of NICU, PICU, Labour Room & Burn and plastic
28.09.2024	Training to HCWs	Training of SA Staff on BMW, HH, NSI
05.10.2024	Training to HCWs	Training of on 3 bucket system
05.10.2024	Training to HCWs	training on NSI and the 3-bucket system to NORCET-6
08.10.2024	Training to HCWs	Orientation to MBBS Students (ward to Solid waste management area) on request of CFM Department
10.10.2024	Training to HCWs	Induction of NORCET-6 on BMW & Cleaning and disinfection



16.10.2024	Workshop	workshop on HAI by CDC
17.10.2024	Training to HCWs	Induction training of MBBS Batch 2-24 on BMW & HH, NSI
18.10.2024	IPC Sampling	Environment sampling SICU-2
21.10.2024	IPC Sampling	Moist swab direct inoculation sampling done from various surfaces in PICU
21.10.2024	IPC Sampling	Fingertip Culture in SICU-1 & 2, MICU-1&2, PICU
26.10.2024	Training to HCWs	Training of SA on BMW, HH & 3 Bucket system
01.11.2024	IPC Sampling	Environment sampling of OT-7
02.11.2024	IPC Sampling	Environment sampling of OT-7
07.11.2024	IPC Sampling	Fingertip culture of SICU-1&2, MICU-1&2, PICU, OT
19.11.2024	Training to HCWs	Training of all IPD areas on HH, BMW, NSI on WAAW week (except ICU)
23.11.2024	Training to HCWs	Training of all ICU areas on HH, BMW, NSI on WAAW week
25.11.2024	IPC Sampling	Fingertip culture of SICU-1&2, MICU-1&2, PICU, OT
30.11.2024	Training to HCWs	Training of SA on HH & 3 bucket
07.12.2024	Training to HCWs	Training of SA on BMW, NSI, HH
10.12.2024	IPC Sampling	Fingertip culture of SICU-1&2, MICU-1&2, PICU, OT
11.12.2024	Training to academic students	visited to solid waste management area
13.12.2024	Training to HCWs	Instruction given to follow of strict contact precaution on MDR (Cauris) patient in SICU-1
14.12.2024	Training to HCWs	Training on 3 buckets, BMW, NSI given to SA
18.12.2024	Training to HCWs	Instructions and training given on cleaning of MDR positive patients area and contact precautions in 3B IPD
19.12.2024	Training to HCWs	Training on Hand hygiene given in workshop on patient safety organize by INER
28.12.2024	Training to HCWs	Training given in CSSD department on IPC practices
02.01.2025	IPC Sampling	Fingertip culture of SICU-1&2, MICU-1&2, PICU, OT, Dialysis, Cath Lab
10.01.2025	IPC Sampling	Settle Plate culture of OT-3
10.01.2025	IPC Sampling	Fingertip culture of SICU-1 Tech.
10.01.2025	IPC Sampling	Settle Plate culture of OT-3
10.01.2025	IPC Sampling	Fingertip culture of SICU-1 Tech.
12.01.2025	Training to HCWs	Training given to all Pediatric Department (NICU, PICU, Pediatric Surgery ward, Pediatric OPD)
12.01.2025	Training to HCWs	Training given to all Pediatric Department (NICU, PICU, Pediatric Surgery ward, Pediatric OPD)
20.01.2025	IPC Sampling	Finger tip and surface culture of NICU and Labour OT Collected
20.01.2025	IPC Sampling	Finger tip and surface culture of NICU and Labour OT Collected
25.01.2025	IPC Sampling	Finger tip and surface culture & Settel Plate of Labour OT Collected
25.01.2025	IPC Sampling	Finger tip and surface culture & Settel Plate of Labour OT Collected
03.02.2025	IPC Sampling	settle Plate culture of OT-9
08.02.2025	Training to HCWs	Training on IPC Practices in OBG Ward
11.02.2025	Training to HCWs	Training Given on NSI to MBBS Batch 2023
11.02.2025	IPC Sampling	settle Plate culture of KTU
14.02.2025	Training to HCWs	Training on BMW & HH given to MBBS 2023 Batch
20.02.2025	Training to HCWs	Training given to NICU on Respiratory Etiqattes



22.02.2025	Training to HCWs	Training given to Nephro, urology, dialysis Department on IPC practices
24.02.2025	IPC Sampling	settle Plate and surface culture of KTU
27.02.2024	IPC Sampling	settle Plate culture of KTU
03.02.2025	IPC Sampling	settle Plate culture of OT-9
08.02.2025	Training to HCWs	Training on IPC Practices in OBG Ward
11.02.2025	IPC Sampling	settle Plate culture of KTU
11.02.2025	Training to HCWs	Training Given on NSI to MBBS Batch 2023
14.02.2025	Training to HCWs	Training on BMW &HH given to MBBS 2023 Batch
20.02.2025	Training to HCWs	Training given to NICU on Respiratory Etiqattes
22.02.2025	Training to HCWs	Training given to Nephro, urology, dialysis Department on IPC practices
24.02.2025	IPC Sampling	settle Plate and surface culture of KTU
27.02.2024	IPC Sampling	settle Plate culture of KTU
04.03.2025	IPC Sampling	Fingertip culture of SICU-1, SICU-2, MICU-1 & 2, PICU, Cath Lab, OT
05.03.2025	Training to HCWs	Orientation of sanitation inspectors
12.03.2025	IPC Sampling	Fingertip culture of SICU-1, SICU-2, MICU-1 & 2, PICU, Cath Lab, OT, Emg OT
26.03.2025	IPC Sampling	DNS and other IV fluid samples collected for culture from Pedia Onco 6D



VIGILANCE CELL

1. **Chief Vigilance Officer.**

(a) Dr. Sonia Kochhar.

2. **Member Secretary.**

(a) Dr. Anju Chaudhary

3. **Committee Members.**

(a) Dr. Anupinder Thind

(b) Dr. Jyoyti Barwa

(c) Dr. Madhur Verma

(d) Dr. Saket Jitender Sinha

(e) Dr. Rachna Rohilla

4. AIIMS Bathinda celebrated the vigilance awareness week between **8th Oct 2024 - 03rd November, 2024** with the theme "**Culture of Integrity for Nation's Prosperity**".

5. The proceedings commenced with the administering of the "**Integritypledge**" to the faculty members and staff of AIIMS Bathindaby the Chief Vigilance Officer (CVO), Dr. Sonia Kochhar on 28hOctober, at 11 AM in the auditorium of the institute. Faculty members who were engaged in hospital responsibilities took the E-integrity pledge on the CVC website.

6. The event was graced by Chief Guest Dr. Nirmal Ouseppachan, Additional Deputy Commissioner, Mansa district, Punjab. The CVO welcomed the Chief Guest and attendees and conveyed the wishes of Hon'ble Director Dr. D. K. Singh, Additional in-charge & Director, AIIMS Rishikesh, Dr. Meenu Singh, Deputy Director Administration, Lt. Col. Rajiv Sen Roy and the recently nominated IEMs, Sh. Jitender Sharma and Sh. Mohanty who could not physically join the event due to ongoing work commitments. The gathering was addressed by Dean Academics, Prof (Dr) Akhilesh Pathak, who commended the organizing committee for the planning and conduct of the vigilance awareness week activities. The Medical Superintendent, Dr. Rajiv Kumar, emphasized onthe importance of a culture of integrity in the everyday working of the institute, and the role of each employee to maintain the same.

7. The Chief Guest, **Dr. Nirmal Ouseppachan**, while quoting from the integrity pledge, highlighted therole of probity, integrity, and transparency in public life, giving examples from administration and ancient Indian texts like the Mahabharata. He explained the importance of taking individual responsibility and remembered Mahatma Gandhi's message of being the change that wewant to see around us.

8. Sensitisation program was conducted by Dr. Rachna, from the Dept. of Pharmacology, for the faculty members, security personnel, and other staff, where they were informed about the perils of corruption and the mechanisms available under the Central Vigilance Commission to report and fight it.



9. Faculty Quiz was conducted on the first day by Dr Rachana and Dr Saket and a Rangoli competition was conducted in the auditorium where teams made rangoli designs based on the vigilance week theme. On 30th Oct 2024, Dr Madhur and Dr Anju coordinated the MBBS & Nursing students to perform Nukkad Nattak in the OPD and school to spread awareness among school students, patients and patients' relatives to fight against corruption and lead a life of honesty and integrity. An e-poster competition on the theme of Vigilance Awareness Week was conducted next day, where students of all the years of MBBS participated. On 1st Nov 2024, Student Quiz Competition & VigiArts competition were coordinated by Dr Jyoti & Dr Anju where students of all years of MBBS of AIIMS Bathinda participated. On 2nd Nov 2024, the online competitions of Vigation & Vigi reels were conducted by Dr Anupinder. On the final day, A Walkathon was conducted in which faculty, staff, and students of AIIMS Bathinda participated, which ended in a valedictory function held by the vigilance committee AIIMS Bathinda under the able guidance of CVO Dr Sonia Kochhar.

PATRON

Prof. (Dr.) D. K. Singh
 Director and CEO, AIIMS, Bathinda

CO-PATRON

DR. AKHILESH PATHAK
 Dean

ORGANISING CHAIRPERSON
 Dr Sonia Kochhar

ORGANISING SECRETARY
 Dr Anju Choudhary

ORGANISING COMMITTEE MEMBERS
 Dr. Jyoti Barwa
 Dr. Madhur Verma
 Dr. Saket Sinha
 Dr. Rachna Roshilla
 Dr. Anupinder Thind

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BATHINDA
celebrating
VIGILANCE AWARENESS WEEK
 From 28th October to 03rd November 2024
 with the theme of
सत्यनिष्ठा की संस्कृति से राष्ट्र की समृद्धि
ਅਖੰਡਤਾ ਦੇ ਸੱਭਿਆਚਾਰ ਰਾਹੀਂ ਰਾਸ਼ਟਰ ਦੀ ਖੁਸ਼ਹਾਲੀ
Culture of Integrity for Nation's Prosperity

EVENTS
 INTEGRITY PLEDGE BY FACULTY & STAFF
 POSTER COMPETITION
 QUIZ COMPETITION
 NUKKAD NATAK
 COMMUNITY AWARENESS PROGRAM
 VIGILANCE AWARENESS WALK



E-integrity pledge



Faculty Quiz



Rangoli competition



Student Quiz Competition



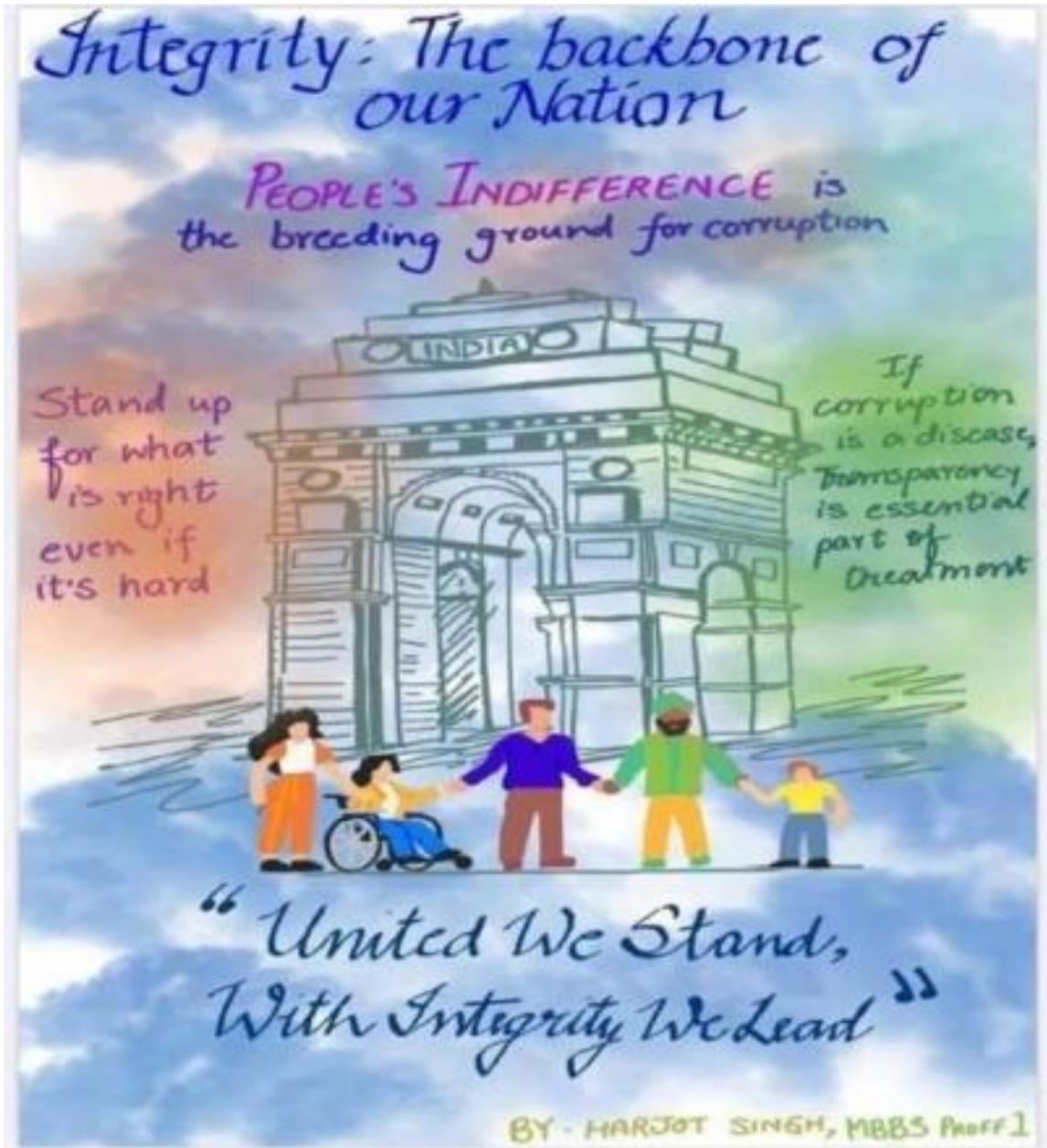
Nukkad Skit



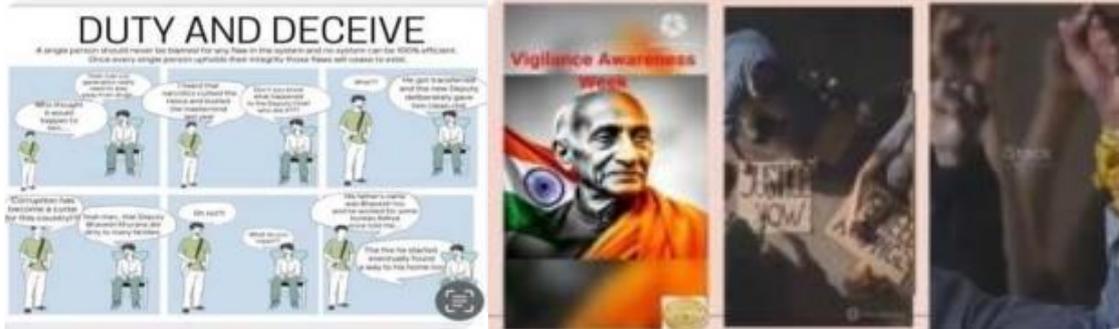
e-Poster



Posters



Posters



Walkathon



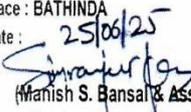
Vedictory Function



FINANCE DIVISION



BALANCE SHEET AS AT 31.03.2025

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
BALANCE SHEET AS AT 31.03.2025			
(Amount in Rs.)			
Particulars	Schedule	Current Year	Previous Year
Corpus/Capital Fund and Liabilities			
Corpus/Capital Fund	1	6,99,42,62,287.27	7,51,87,48,197.95
Reserve & Surplus	2	-	-
Earmarked/Endowment/Corpus Fund	3	50,80,62,868.37	5,94,37,532.69
Secured Loans & Borrowings	4	-	-
Unsecured Loans & Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities & Provisions	7	73,46,96,776.30	33,23,43,160.16
TOTAL		8,23,70,21,931.94	7,91,05,28,890.80
ASSETS			
Fixed Assets - Net Block	8	6,40,06,58,047.37	6,86,97,97,395.37
Investment - From Earmarked/Endowment Fund	9	-	-
Investment -Others	10	-	-
Current Assets, Loans , Advances etc.	11	1,83,63,63,884.57	1,04,07,31,495.43
Miscellaneous Expenditure			
TOTAL		8,23,70,21,931.94	7,91,05,28,890.80
Significant Accounting Policies	24		
Contingent Liabilities & Notes on Accounts	25	-	10,04,45,155.00
Place : BATHINDA Date : 25/06/25 <div style="display: flex; justify-content: space-between; align-items: flex-end;"> <div style="text-align: center;">  (Manish S. Bansal & Associates) Chartered Accountant </div> <div style="text-align: center;">  (Vishal Kumar) Sr.Accounts Officer </div> <div style="text-align: center;">  Deputy Director (Admin.) </div> <div style="text-align: center;">  (Prof. Dr. Meenu Singh) Executive Director (Addl. Charge) </div> </div>			



INCOME AND EXPENDITURE ACCOUNT AS AT 31.03.2025

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2025			
(Amount in Rs.)			
Particulars	Schedule	Current Year	Previous Year
INCOME			
Income from Sales/Services	12	58,03,48,031.26	35,47,17,045.18
Grant/Subsidies	13	3,49,80,81,040.00	2,73,05,10,937.34
Fees/Subscriptions	14	55,24,395.00	35,21,077.00
Income from Investments (Income on Invest. From earmarked/endow. Funds transferred to Funds)	15	-	-
Income from Royalty, Publications	16	-	-
Interest Earned	17	2,13,66,495.00	1,47,07,443.09
Other Income	18	2,34,70,501.95	1,57,06,638.34
Increases/Decrease of Finished Goods & WIP	19	-	-
TOTAL (A)		4,12,87,90,463.21	3,11,91,63,140.95
EXPENDITURE			
Establishment Expenses	20	2,02,59,32,968.00	1,33,71,61,706.00
Other Administrative Expenses	21	1,28,49,55,538.89	70,15,68,059.66
Expenditure on Grants, Subsidies etc	22	-	-
Interest	23	-	-
Depreciation (Net total at the year end corresponding to Sch.-8)	8	79,35,47,422.00	82,15,52,744.34
TOTAL (B)		4,10,44,35,928.89	2,86,02,82,510.00
Balance being excess of Income over Expenditure	(A-B)		
Transfer to Special Reserve (Specify each)		0.00	0.00
Transfer to/ from General Reserve			
BALANCE BEING SURPLUS / (DEFICIT)			
CARRIED TO CORPUS/CAPITAL FUND		2,43,54,534.32	25,88,80,630.95
Significant Accounting Policies	24		
Contingent Liabilities & Notes on Accounts	25		10,04,45,155.00
Place : BATHINDA			
Date : 35/06/25			
 (Manish S. Bansal & Associates) Chartered Accountant	 (Vishal Kumar) Sr. Accounts Officer	 Deputy Director (Admin.)	 (Prof. Dr. Meenu Singh) Executive Director (Addl. Charge)



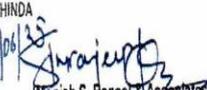
RECEIPT & PAYMENT AS AT 31.03.2025

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
RECEIPT & PAYMENT FOR THE YEAR 01-04-2024 TO 31-03-2025					
Amount in Rs.					
RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
	31.03.2025	31.03.2024		31.03.2025	31.03.2024
I. Opening Balance - Institute			I. Expenses		
a) Cash in Hand	-	-	Establishment Expenses		
b) Bank balances :			Salary & Wages	1,84,52,29,000.00	1,24,12,13,028.00
SBI Account-74890	2,47,292.25	4,808.10	Allowance & Bonus (Transfer TA / LTC)	4,04,01,792.00	1,73,68,622.00
Imprest to staff	2,28,875.00	1,64,717.00	Expenses on Employees Retirement and Terminal Benefits	23,72,006.00	1,51,069.00
SBI Bank -94104 CLTD	37,56,80,185.90	19,58,78,618.00			
Saving Acc 77772	-	94,118.00	Administrative Expenses		
SBI Bank -94104	2,94,777.00	9,42,544.00	Electricity & Power Bill	15,97,58,870.00	14,27,69,541.00
SBI Bank -61873	14,63,838.09	3,42,312.00	Chemical & Hospital consumables Exp	16,71,26,950.00	11,65,22,350.00
SBI Bank -61873 CLTD	4,78,81,755.00	4,29,65,644.00	Telephone & Internet exp	9,97,444.00	9,97,988.00
GAP Imprest	4,27,868.00	29,353.00	Printing & Stationery	93,04,938.00	82,97,962.00
SBI Bank - 74890 CLTD	13,75,00,000.00	16,79,82,377.70	Statutory Registration Expenses	14,11,863.00	15,57,331.00
SBI Cem pool Account	51,84,161.00	73,18,698.00	Laundry & CSSD	64,68,896.00	26,14,129.00
SBI- AIIMS BATHINDA 18612	2,57,022.00	-	Postage	44,002.30	31,848.30
SBI Bank -18612 - CLTD	20,00,000.00	-	Advertisement & Publicity Exp	1,70,785.00	99,180.00
			Travelling Expenditure	4,28,744.00	9,14,599.00
II. Grants received			Outsource Manpower	30,31,40,478.00	22,96,35,883.00
Grant-in-Aid (For salary)	1,91,00,00,000.00	1,30,00,00,000.00	General Consumables Store	24,06,519.00	33,71,434.00
Grant-in-Aid (General)	78,00,00,000.00	59,00,00,000.00	Local Transport/Vehicle/Ambulance Expenses	48,43,414.00	37,30,334.00
CGHS Receipt	13,26,454.00	5,00,000.00	Honorarium	12,11,975.00	8,54,675.00
Grant-in-Aid (For SAP)	2,33,00,000.00	2,00,00,000.00	Water Charges	-	2,73,422.00
Grant-in-Aid (For Creation of capital assets) 0398	28,00,000.00	-	Department Contingency	4,23,397.00	4,30,263.00
Grant-in-Aid (For Creation of capital assets) 4160	34,00,00,000.00	30,70,00,000.00	Biomedical & other waste	13,27,148.00	5,94,054.00
Grant-in-Aid (For Institute Projects)	47,75,72,386.28	2,32,70,084.00	Travelling Allowance Conference	71,24,326.00	41,11,100.00
			Website/ Computer & Software maintenance	5,80,61,959.00	3,57,01,717.00
III. Interest received			Expenses on Seminar/Workshops/Training/events etc	18,91,497.00	1,08,26,356.25
Interest Received from Term Deposit - 18612	18,63,210.00	-	Repair and Maintenance Engineering and General	4,49,72,407.00	5,98,47,718.00
Interest Received from Term Deposit - Sbi bank 74890	20,100.00	16,00,076.30	Hospitality Expenses	13,37,150.00	6,50,928.00
Interest Received from Term Deposit - Sbi bank 94104	1,12,83,910.00	34,37,266.99	Medical Gases	81,78,549.00	57,16,022.00
Interest Received from Term Deposit - Sbi bank 61873	32,44,333.00	24,13,629.00	Sports Expense	-	1,64,852.00
Interest Received from Saving Bank - 77772	-	383.00	Professional Charges	3,96,838.00	4,29,500.00
Interest Received from Saving Bank - 18612	40,546.00	553.00	Misc Exp	0.64	3,75,933.81
Interest Received from MPLAD Fund(61873)	-	4,230.00	Donation Exp	-	99,594.00
Interest Received from Saving Bank - BOB	288.00	-	Ayushman Scheme related exp	29,27,20,405.00	9,65,83,698.00
Interest Received from Term Deposit - BOB	2,080.00	-	GIA- SAP general	1,69,96,341.00	1,09,88,932.00
Interest Received from Saving Bank - Sbi bank 99938	20,730.00	-	GIA- SAP Advances	53,37,659.00	79,69,261.00
IV. Project Fund			DHIS Fund (General)	47,770.00	-
TDS Refund received - GAP-005	2,17,716.00	1,17,562.00			
			Expenditure on Fixed Assets		
V. Other Income			Electric Installation	33,50,601.00	1,88,622.00
Admission Fees	19,70,885.00	18,01,420.00	Hospital Equipment	25,69,79,575.00	28,50,31,298.00
Student fee security	4,29,500.00	3,96,000.00	Furniture & Fixtures	1,26,59,598.00	11,35,298.00
Registration Fee & Lab Test Charges	20,29,71,005.00	14,75,25,186.00	Office Equipment	93,088.00	4,68,501.00
Guest House Rent	5,38,934.00	4,60,042.00	Computer Peripherial	45,27,268.00	92,58,661.00
Recruitment Application Fees	19,01,605.00	7,87,105.00	Library books	1,73,78,300.00	86,54,870.00
Surety Bond Recovery	1,36,40,000.00	1,05,35,024.30	Civil Infrastructure	5,59,077.00	-
Tender Fees	17,000.00	46,000.00	GIA- SAP Capital	9,66,000.00	10,41,807.00
Misc. Income	10,75,475.22	4,98,086.18	Capital Work In Progress(AIIMS)	4,25,31,130.00	88,50,000.00
EMD & Other Security Deposits	88,44,674.00	2,08,77,150.00	GIA Capital 0398	28,00,000.00	-
License Fee	36,155.00	8,64,484.00	DHIS Funds (Capital)	4,96,000.00	-
Rental Income	73,86,380.88	42,58,025.74			
GAP Overhead Income	3,11,342.00	4,72,510.00	External Project Payments		
Ayushman Registration Fees & Lab test charges	37,53,20,697.04	20,65,71,303.00	Project Exp	2,76,52,420.00	1,83,35,267.91
Notice Pay Recovery	14,36,304.00	-	Performance Bank security	1,58,400.00	-
			Statutory dues	50,094.00	-



RECEIPTS	Current Year	Previous Year	PAYMENTS	Current Year	Previous Year
	31.03.2025	31.03.2024		31.03.2025	31.03.2024
VI. Other Receipts			Supplier Advances	42,78,71,753.00	-
DHS Fund (ABDM)	11,90,300.00	-			
Fund received towards poor patient	8,45,000.00	1,22,500.00	II. Other Payments		
Electricity/Water charges from rental sites & others	18,32,328.00	11,91,447.00	Supplier payments made	3,18,891.60	1,04,06,218.00
Electricity/Water charges & EHS from Staff and others	8,447.00	20,36,860.00	Suppliers (BSNL, NIC, Railtel Punjab Health etc)	44,27,907.20	21,59,062.00
TDS 192B 194C, GST-TDS and others	-	32,74,375.08	Security Deposits (PSPCL)	29,97,793.00	83,91,599.00
TDS/ITCS/GST TDS refunded by IT	1,88,714.00	8,63,364.82	EMD & Other Security Deposits	31,08,347.00	2,29,88,112.00
Cont towards Ret. Benefits	-	15,35,981.00	TDS 194C, GST-TDS and others	52,26,599.08	-
			Expenditure incurred towards poor patient	2,00,000.00	-
			TDS/ITCS deducted	2,74,082.00	-
			Fee Refunded	7,44,210.00	-
			Payment to Dr. Lal Path	72,800.00	-
			III. Refund/LAPSE of Surplus money:		
			HEFA Interest refunded back to Ministry	-	8,04,391.00
			Returned Back to MoHFW(salary grant)	-	3,28,82,225.00
			Returned Back to MoHFW Interest	81,45,088.00	1,94,98,908.00
			Surrender/Lapse CCA	-	3,66,57,679.00
			Surrender/Lapse SAP	-	1,37,26,299.00
			Surrender/Lapse ECRP-Gen.	-	72,33,294.00
			Surrender/Lapse ECRP-Sal.	-	44,00,000.00
			IV. Closing Balance Institute		
			SBI Bank -94104 CLTD	48,89,17,063.38	37,56,80,185.90
			SBI Bank -94104	5,92,302.80	2,94,777.00
			SBI Bank -61873	16,43,462.37	14,63,838.09
			SBI Bank -61873 CLTD	7,38,37,996.00	4,78,81,755.00
			Imprest to staff	6,23,519.00	2,28,875.00
			GAP imprest	3,81,197.00	4,27,668.00
			SBI Gem Pool	51,51,944.00	51,64,181.00
			SBI Bank - 74890	10,91,18,789.90	2,47,292.25
			SBI Bank - 74890 CLTD	4,72,47,937.15	13,75,00,000.00
			SBI Bank - 18612	6,73,889.04	2,57,022.00
			SBI Bank - 18612 CLTD	20,40,00,000.00	20,00,000.00
			SBI Bank - 99938	13,47,184.00	-
			SBI Bank - 80314 EHS	11,84,338.00	-
			BOB Bank - 18031	3,43,028.00	-
TOTAL	4,74,27,82,696.46	3,06,81,80,718.51	TOTAL	4,74,27,82,696.46	3,06,81,80,718.51

Place : BATHINDA
Date : 25/04/25


(Manish S. Bansal & Associates)
Chartered Accountant


(Vishal Kumar)
Sr. Accounts Officer


(Prof. Dr. Meenu Singh)
Executive Director (Addl. Charge)



SCHEDULES OF BALANCE SHEET AS AT 31.03.2025

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE-1A CORPUS FUND -				
Balance as at the beginning of the Year	36,17,17,385.32		10,32,12,684.37	
Add Contribution towards Corpus/Capital fund	2,44,02,304.32		25,88,80,633.95	
Less: Prior period expenditure of Gratuity and Leave Encashment	-10,04,45,155.00			
Add HEFA Assets depreciation			-3,75,933.00	
Less Interest income transfer to consolidate fund of India	-81,45,088.00			
		27,75,29,446.64		36,17,17,385.32
SCHEDULE-1B CAPITAL ASSETS FUND				
Balance as at the beginning of the Year	45,19,89,188.00		24,27,32,949.00	
Add Contribution towards Capital Assets fund	35,20,85,682.00		30,85,40,974.00	
Add Contribution towards previous year capitalisation				
Less: Dep. transferred from the Income and Expenditure Account	-12,83,74,990.00		-9,92,84,735.00	
		67,56,99,880.00		45,19,89,188.00
SCHEDULE-1C CAPITAL ASSETS W.I.P. FUND -				
Balance as at the beginning of the Year	83,73,88,777.61		1,10,10,31,985.49	
Add Payment to HITES by MOHFW			57,10,28,115.00	
Add Interest earned by HITES during 22-23			-51,83,307.00	
less Other Security Deposits by HITES			-29,70,000.00	
Less Assets Capitalised during the year	-6,93,66,011.00		-82,65,18,015.88	
		76,80,22,766.61		83,73,88,777.61
SCHEDULE-1D CAPITAL ASSETS HITES				
Balance as at the beginning of the Year	5,86,46,82,847.02		5,83,15,98,526.65	
Add: Contribution towards Capital Assets fund	6,93,66,011.00		82,65,18,015.88	
Less: Dep. transferred for previous years			-7,11,65,686.17	
Less: Dep. transferred from the Income and Expenditure Account	-66,49,63,507.00		-72,22,68,009.34	
Less: Deletion during the year				
		5,26,90,85,351.02		5,86,46,82,847.02
SCHEDULE-1E OTHER DEPOSITS HITES				
Balance as at the beginning of the Year	29,70,000.00			
Add: Contribution		29,70,000.00	29,70,000.00	29,70,000.00
SCHEDULE-1F CAPITAL ASSETS FUND (PROJECT)				
Balance as at the beginning of the Year				
Add: Contribution	11,63,768.00			
Less: Dep. transferred from the Income and Expenditure Account	-2,08,925.00			
		9,54,843.00		
Balance		6,99,42,62,287.27		7,51,87,48,197.95



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 2 (RESERVE & SURPLUS)				
1. CAPITAL RESERVE				
As per last Account			1.00	
Add : Additions during the year			-	
Less : Deductions during the year		-	-1.00	-
Balance As At The Year End		-		-
2. REVALUATION RESERVE				
As per last Account			-	
Add : Additions during the year			-	
Less : Deductions during the year		-	-	-
Balance As At The Year End				-
3. SPECIAL RESERVE				
As per last Account			-	
Add : Additions during the year			-	
Less : Deductions during the year		-	-	-
Balance As At The Year End				-
4. GENERAL RESERVE				
As per last Account			-	
Add : Additions during the year			-	
Less : Deductions during the year		-	-	-
Balance As At The Year End		-		-
Total (1 to 4)		-		-

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 3 EARMARKED/ENDOWMENT/CORPUS FUND				
<u>I. Grant-in-Aid For Salary</u>				
a) Opening balance of the funds	-0.40		3,28,82,224.60	
b) Additions to the Funds:	1,91,00,00,000.00			
d) reversal of provision retirement benefit provision 21-22				
Less: Establishment Expenses during the year (Sch. 20)	1,91,00,00,000.00			
Less: Returned Back to ministry			-3,28,82,225.00	-0.40
Less: Round up	-0.40	-		
<u>II. Grant-in-Aid For General</u>				
a) Opening balance of the funds	-		-	
b) Additions to the Funds:	78,00,00,000.00		59,00,00,000.00	
Less: Grant charged to I&E	78,00,00,000.00	-	-59,00,00,000.00	-
<u>III. Grant-in-Aid For Capital Creation</u>				
a) Opening balance of the funds	1,22,18,870.00		4,88,76,549.00	
b) Additions to the Funds:	34,28,00,000.00		30,70,00,000.00	
c) Surrender/Lapse			-3,66,57,679.00	
Less: Capital expenditure during the year	34,28,00,000.00	1,22,18,870.00	-30,70,00,000.00	1,22,18,870.00
<u>IV. Grant-in-Aid For SAP</u>				
a) Opening balance of the funds	-		1,37,26,299.00	
b) Additions to the Funds:	2,33,00,000.00		2,00,00,000.00	
c) Surrender/Lapse			-1,37,26,299.00	
Less: Expenditure during the year - Capital	9,66,000.00		-10,41,807.00	
Less: Expenditure during the year - General	1,69,96,341.00		-1,09,88,932.00	
Less: Advances	53,37,659.00	-	-79,69,261.00	-
<u>V. Grant-in-Aid For HEFA Loan (Interest)</u>				
a) Opening balance of the funds	-		8,04,391.00	
b) Additions to the Funds:				
c) Interest earned				
Less: Expenditure during the year			-8,04,391.00	

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PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
Less: Refunded back to MoHFW		-		-
<u>VI. Grant-in-Aid For ECRP (General)</u>				
a) Opening balance of the funds	-		72,33,294.00	
b) Additions to the Funds:				
Less: Expenditure/Surrender during the year (Surrender in CY).		-	-72,33,294.00	-
<u>VII. Grant-in-Aid For ECRP (Salary)</u>				
a) Opening balance of the funds	-		44,00,000.00	
b) Additions to the Funds:				
Less: Expenditure/Surrender during the year (Surrender in CY).		-	-44,00,000.00	-
<u>VIII. Grant-in-Aid For Institute Projects</u>				
a) Opening balance of the funds	4,72,18,663.09		4,13,94,415.00	
b) Additions to the Funds:	47,81,54,797.28		2,42,99,465.00	
Less: Expenditure during the year	2,95,29,462.00	49,58,43,998.37	-1,84,75,216.91	4,72,18,663.09
<u>IX. Grant-in-Aid From Donations</u>				
a) Opening balance of the funds	-		94,160.00	
b) Additions to the Funds: Interest incl prev year			5,04,591.00	
Less: Expenditure During the year		-	-5,98,751.00	-
Total (I to IX)		50,80,62,868.37		5,94,37,532.69



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 4				
(Secured Loans and Borrowings)				
1) Central Government	-	-	-	-
2) State Government (Specify)	-	-	-	-
3) Financial Institutions				
a) Term Loan (HEFA Loan)	-	-	-	-
b) Interest Accrued and due	-	-	-	-
4) Banks				
a) Term Loan	-	-	-	-
Interest due	-	-	-	-
b) Other Loans (specify)	-	-	-	-
Interest due	-	-	-	-
5) Other Institutions and Agencies	-	-	-	-
6) Debentures and Bonds	-	-	-	-
7) Others (Specify)	-	-	-	-
Total		-		-
SCHEDULE - 5				
(Unsecured Loans and Borrowings)				
1) Central Government	-	-	-	-
2) State Government (Specify)	-	-	-	-
3) Financial Institutions	-	-	-	-
4) Banks				
a) Term Loan	-	-	-	-
b) Other Loans (specify)	-	-	-	-
5) Other Institutions and Agencies				
PGIMER CHANDIGARH	-	-	-	-
6) Debentures and Bonds	-	-	-	-
7) Fixed Deposits	-	-	-	-
8) Others (Specify)	-	-	-	-
Total		-		-

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 6 (Deferred Credit Liabilities)				
a) Acceptance secured by hypothecation of capital equipment and other assets	-	-	-	-
b) Others	-	-	-	-
Total				
Schedule - 7 (Current Liabilities and Provisions)				
A. Current Liabilities				
1. Acceptances	-	-	-	-
2. Sundry Creditors:				
a) Supplier	2,77,00,368.00		93,29,325.00	
b) Others (EMD/Security)	1,00,30,243.00	3,77,30,611.00	44,45,443.00	1,37,74,768.00
3. Advances Received (Hefa Repayment)	-	-	-	-
4. Interest accrued but not due on:				
a) Secured Loans/borrowings	-	-	-	-
b) Unsecured Loans/borrowings	-	-	-	-
5. Statutory Liabilities:				
a) Overdue	-	-	-	-
b) Others TDS 92B,94C & GST-TDS	30,13,784.30	30,13,784.30	62,56,679.36	62,56,679.36
6. Other current liabilities				
a) NSDL Payable	4,87,090.00		3,06,054.00	
b) Others	1,22,79,818.00		55,14,061.60	
c) Student fee Security	16,42,500.00		12,17,500.00	
d) Interest payable to MoHFW	-		0.20	
e) CGHS Receipts	13,26,454.00		-	
f) DHIS Funds (ABDM)	6,46,530.00		-	
g) EHS Employee contribution	11,84,338.00		-	
h) Fund for poor patients	6,45,000.00		-	
i) Cont. towards Ret. Benefits	15,35,981.00	1,97,47,711.00	15,35,981.00	85,73,596.80
Total (A)		6,04,92,106.30		2,86,05,044.16
B. Provisions				
1. For Taxation				
2. Gratuity	6,16,01,957.00			
3. Superannuation/Pension	-			
4. Accumulated Leave Encashment	11,96,97,297.00			
5. Trade Warranties/Claim	-			
6. Salary & other expenditure Payable	49,29,05,416.00		30,37,38,116.00	
		67,42,04,670.00		30,37,38,116.00
Total (B)		67,42,04,670.00		30,37,38,116.00
Total (A+B)		73,46,96,776.30		33,23,43,160.16

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025												
(Amount in Rs.)												
Description	Gross Block				Cost/valuation at the Year-end	%	Depreciation			Net Block		
	Cost/valuation As at beginning of the year	Additions during the year		Deletion during the year			As at the beginning of the year	On addition 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
		>6 MONTH	<6 MONTH									
A. Fixed Assets (GIA)												
1 Land (Freehold)	1.00	-	-	-	1.00	-	-	-	-	-	1.00	
2 Library Books	6,05,86,367.00	1,51,00,338.00	22,75,962.00	-	7,79,62,667.00	40.00	2,68,35,166.00	1,91,95,800.00	-	4,80,30,986.00	2,99,31,681.00	
3 Hospital Equipments	45,71,33,324.00	1,49,45,683.00	19,55,65,080.00	-	66,78,64,097.00	15.00	7,11,61,540.00	7,48,06,522.00	-	14,59,68,042.00	52,16,96,055.00	
4 Furniture & fixtures	1,50,63,831.00	28,76,559.00	2,30,26,174.00	-	4,09,66,564.00	10.00	34,61,561.00	25,99,192.00	-	60,60,753.00	3,49,05,811.00	
5 Vehicles	1,01,19,238.00	-	9,66,000.00	-	1,10,85,238.00	15.00	37,88,880.00	10,22,004.00	-	48,10,884.00	62,74,354.00	
6 Office Equipment	13,01,611.00	8,272.00	89,316.00	-	13,99,199.00	15.00	3,19,159.00	1,55,307.00	-	4,74,466.00	9,24,733.00	
7 Computer Peripherals	4,84,27,814.00	29,35,709.00	75,35,949.00	-	5,88,99,472.00	40.00	2,65,96,627.00	1,14,13,948.00	-	3,80,10,575.00	2,08,66,897.00	
8 Hospital Equipments (Life Saving)	6,42,21,925.00	-	47,650.00	-	6,42,69,575.00	40.00	1,76,59,014.00	1,86,34,694.00	-	3,62,93,708.00	2,79,75,867.00	
9 Electric Installation	2,46,442.00	26,72,073.00	7,31,651.00	-	36,50,166.00	15.00	18,483.00	4,89,879.00	-	5,08,362.00	31,41,804.00	
10 Civil Infrastructure	-	2,09,775.00	3,49,302.00	-	5,59,077.00	15.00	-	57,664.00	-	57,664.00	5,01,413.00	
TOTAL OF CURRENT YEAR	85,71,00,553.00	3,87,48,409.00	23,06,07,094.00	-	92,64,56,056.00		15,18,40,450.00	12,83,74,990.00	-	28,02,15,440.00	64,62,40,616.00	
B. Fixed Assets (MITES)												
Building*	5,22,33,91,518.54	-	-	-	5,22,33,91,518.54	10.00	1,13,98,46,754.06	40,83,54,476.00	-	1,54,82,01,230.08	3,67,51,90,288.46	
Res. Building	59,00,72,774.53	-	-	-	59,00,72,774.53	5.00	5,39,63,863.70	2,38,05,448.00	-	7,77,69,309.70	45,23,03,464.83	
Plant, Machinery & Equip.	55,99,18,300.09	-	-	-	55,99,18,300.09	15.00	15,53,77,328.27	6,06,81,148.00	-	21,60,58,474.27	34,38,59,825.82	
Water Supply System	2,85,85,266.22	-	-	-	2,85,85,266.22	40.00	1,82,94,570.37	41,16,278.00	-	2,24,10,848.37	61,74,417.85	
Computer Peripherals	47,94,628.12	-	-	-	47,94,628.12	40.00	41,61,223.43	2,53,362.00	-	44,14,585.43	3,80,042.69	
Hospital Equipments (Life Saving)-I	48,10,951.12	-	-	-	48,10,951.12	40.00	41,75,389.99	2,54,224.00	-	44,29,613.99	3,81,337.13	
Hospital Equipments (Life Saving)-II	15,73,56,706.31	-	-	-	15,73,56,706.31	40.00	6,13,07,407.33	3,84,19,720.00	-	9,97,27,127.33	5,76,29,576.98	
Hospital Equipments General	1,16,39,21,097.12	6,93,66,011.00	-	-	1,23,32,87,108.12	15.00	37,62,00,504.85	12,65,62,990.00	-	50,47,63,494.85	72,85,23,613.29	
Furniture & Fixtures	57,31,830.00	-	-	-	57,31,830.00	10.00	5,73,183.00	5,15,865.00	-	10,89,048.00	46,42,782.00	
TOTAL OF CURRENT YEAR	7,67,85,83,072.04	6,93,66,011.00	-	-	7,74,79,49,083.04		1,81,39,00,225.02	66,49,63,507.00	-	2,47,88,63,732.02	5,26,90,85,351.02	
C. Fixed Assets (PROJECT)												
Furniture & Fixtures	-	-	1,17,261.00	-	1,17,261.00	10.00	-	5,863.00	-	5,863.00	1,11,398.00	
Hospital Equipments	-	-	49,913.00	-	49,913.00	15.00	-	3,743.00	-	3,743.00	46,170.00	
Computer Peripherals	-	-	9,72,298.00	-	9,72,298.00	40.00	-	1,94,460.00	-	1,94,460.00	7,77,836.00	
Library Books	-	-	24,296.00	-	24,296.00	40.00	-	4,859.00	-	4,859.00	19,437.00	
TOTAL OF CURRENT YEAR	-	-	11,63,786.00	-	11,63,786.00		-	2,08,925.00	-	2,08,925.00	9,54,843.00	
CAPITAL WORK-IN PROGRESS (MITES)	48,40,04,445.35	-	3,83,416.00	6,93,66,011.00	41,50,21,852.35		-	-	-	-	41,50,21,852.35	
CAPITAL WORK-IN PROGRESS (Inst.)	1,58,50,000.00	1,20,12,400.00	5,35,05,385.00	1,20,12,400.00	6,93,55,385.00		-	-	-	-	6,93,55,385.00	
Total	49,98,54,445.35	1,20,12,400.00	5,38,86,803.00	8,13,78,411.00	48,43,77,237.35		-	-	-	-	48,43,77,237.35	
Grand Total	8,83,95,38,070.39	12,01,26,820.00	28,59,59,665.00	8,13,78,411.00	9,15,99,46,144.39		1,96,57,40,675.02	79,35,47,422.00	-	2,75,92,88,097.02	6,40,08,58,047.37	



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025		
PARTICULARS	(Amount in Rs.)	
	Current Year (Rs.)	Previous Year (Rs.)
<u>SCHEDULE - 9</u>		
<u>(Investments from Earmarked/Endowment Funds)</u>		
1) In Government Securities		-
2) Others approved Securities		-
3) Shares		-
4) Debentures and Bonds		-
5) Subsidiaries and joint ventures		-
6) Others (to be specify)		-
Total	-	-
<u>SCHEDULE - 10</u>		
<u>(Investments Others)</u>		
1) In Government Securities		-
2) Others approved Securities		-
3) Shares		-
4) Debentures and Bonds		-
5) Subsidiaries and joint ventures		-
6) Others (to be specify)		-
Total	-	-

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 11				
(CURRENT ASSETS, LOANS, ADVANCES ETC.)				
A. Current Assets				
1. Inventories				
a) Stores and Spares	3,80,91,712.16		5,12,96,355.00	
b) Loose Tools				
c) Stock-in-trade				
Finished Goods				
Work-in-progress				
Raw Materials		3,80,91,712.16		5,12,96,355.00
2. Sundry Debtors:				
a) Sundry Debtors/Receivable	12,73,891.46		2,30,508.28	
c) Others		12,73,891.46		2,30,508.28
3. Cash balances in hand (including cheques/drafts)				
4. Bank Balances:				
a) With Scheduled Banks:				
-On Current Accounts	11,48,63,037.10		57,06,250.25	
-On Deposit Accounts	81,43,05,076.53		56,30,61,940.90	
-On Savings Accounts	48,89,821.41	93,40,57,935.04	17,20,860.09	57,04,89,051.24
5. Post office-Savings Accounts				
		-	-	-
Total (A)		97,34,23,538.66		62,20,15,914.52



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 11				
(CURRENT ASSETS, LOANS, ADVANCES ETC.)				
B. Loans Advances and Other Assets				
1. Loan				
a) Imprest to staff	6,23,307.00		2,28,875.00	
b) Other Entities engaged in activities/ objectives similar to that of the Entity				
c) Other projects	47,69,757.00	53,93,064.00	4,27,668.00	6,56,543.00
2. Advance and other amounts recoverable in cash or in kind or for value to be received				
a) On Capital Account	81,15,96,058.60		38,08,38,254.60	
b) Prepayments	13,76,246.00			
c) Others	45,79,108.00	81,75,51,412.60	87,53,300.00	38,95,91,554.60
3. Income Accrued:				
a) On Investments from Earmarked/Endowment Funds	23,04,952.00		12,15,435.00	
b) On Investments-CLTD Interest	2,28,09,730.00		1,53,50,863.00	
c) Others		2,51,14,682.00		1,65,66,298.00
4. Claims Receivable	1,48,81,187.31	1,48,81,187.31	1,19,01,185.31	1,19,01,185.31
4. Security Deposits	1,43,59,392.00		1,13,61,599.00	
5. TCS	2,39,687.31		2,32,434.31	
6. GAP TDS/TCS	1,04,417.00		2,17,716.00	
7. Tax Deducted at source	1,77,691.00		89,436.00	
Total (B)		86,29,40,345.91		41,87,15,580.91
Total (A+B)		1,83,63,63,884.57		1,04,07,31,495.43

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2025		
(Amount in Rs.)		
PARTICULARS	Current Year	Previous Year
	(Rs.)	(Rs.)
SCHEDULE - 12		
(Income from Sales/Services)		
1. Income from sales		
a) Sale of Finished Goods		
b) Sale of Raw Material		
c) Sale of Scraps		
2. Income from Services		
a) Registration Fees & Lab Test Charges	20,21,60,496.00	14,75,25,186.00
b) Professional/Consultancy Service		
c) Agency Commission and Brokerage		
d) Maintenance Services (Equipment/Property)		
e) AYUSHMAN Registration Fees & Lab Test Charges	37,53,20,697.04	20,65,71,303.00
f) FUND Towards Poor Patients	-	1,22,500.00
g) Others	28,66,838.22	4,98,056.18
Total	58,03,48,031.26	35,47,17,045.18
SCHEDULE- 13		
(Grants/Subsidies)		
(Irrecoverable Grants & Subsidies Received)		
1. Central Government -		
a) Grant-in Aid (For Salary)	1,91,00,00,000.00	1,30,00,00,000.00
b) Grant-in Aid (For General)	78,00,00,000.00	59,00,00,000.00
c) Grant-in Aid (For Dep)	79,35,47,422.00	82,15,52,744.34
d) Grant-in Aid (For SAP)	1,45,33,618.00	1,89,58,193.00
2. State Government		
3. Government Agencies		
4. Institutions/Welfare Bodies		
5. International Organisations		
6. Others (Specify)		
Total	3,49,80,81,040.00	2,73,05,10,937.34
SCHEDULE- 14		
(Fees/Subscriptions)		
1. Guest House Fees	5,38,934.00	4,60,042.00
2. Admission Fees	19,70,885.00	18,01,420.00
3. Recruitment Application Fees	18,99,605.00	7,87,105.00
4. Consultancy Fees/ Project Overhead	11,14,971.00	4,72,510.00
5. Others (specify)	-	-
Total	55,24,395.00	35,21,077.00



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Investment from Earmark Fund		Investment- Others	
	Current Year	Previous Year	Current Year	Previous Year
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 15				
(Income From Investments)				
1. Interest				
a. On Govt. Securities	-		-	
b. On other Bonds / Debentures	-	-	-	-
2. Dividends				
a. On Shares	-		-	
b. On mutual Funds Securities	-	-	-	-
3. Rent	-			
4. Others Specify				
Total		-		-

SCHEDULE- 16				
(Income from royalty ,publication etc.)				
1. Income from Royalty	-	-	-	-
2. Income from Publications	-	-	-	-
3. Others (specify)	-	-	-	-
Total	-	-	-	-

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 17				
(Interest Earned)				
1. On Term Deposit				
a) With Schedule Bank	2,06,28,167.00		1,46,44,399.09	
b) With Non-Scheduled Banks	-		-	
c) With Institutions	-		-	
d) Others	6,76,762.00	2,13,04,929.00	63,044.00	1,47,07,443.09
2. On Savings Bank Account				
a) With Schedule Bank	61,566.00		-	
b) With Non-Scheduled Banks	-		-	
c) With Institutions	-		-	
d) Others	-	61,566.00	-	-
3. On Loans				
a) Employees/Staff	-		-	
b) Others	-		-	
4. Interest on Debtors and Other Receivables	-		-	
Total		2,13,66,495.00		1,47,07,443.09
SCHEDULE- 18				
(Other Income)				
a) Surety Bond Recovery	1,36,40,000.00		1,05,35,024.60	
b) Tender Fees	17,000.00		46,000.00	
c) Licence Fee	8,48,217.00		8,64,484.00	
d) Rental Income	75,28,380.95		42,61,129.74	
e) Notice Pay Recovery	14,36,904.00	2,34,70,501.95	-	1,57,06,638.34
Total		2,34,70,501.95		1,57,06,638.34



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2025				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 19				
(Increase / Decrease of Stock of Finished Goods & Work in progress)				
a. Closing Stock				
Finished Goods				
Work-in-progress				-
b. Less: Opening Stock				
Finished Goods				
Work-in-progress				-
NET INCREASE/(DECREASE) [a-b]				-
SCHEDULE- 20				
(Establishment Expenses)				
a. Salary and Wages	1,89,32,78,110.00		1,30,41,68,172.00	
b. Allowance & Bonus	4,94,28,753.00		3,28,42,465.00	
c. Expenses on Employees Retirement and Terminal Benefits	8,32,26,105.00		1,51,069.00	
		2,02,59,32,968.00		1,33,71,61,706.00
Total		2,02,59,32,968.00		1,33,71,61,706.00

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2025		
(Amount in Rs.)		
PARTICULARS	Current Year	Previous Year
	(Rs.)	(Rs.)
SCHEDULE - 21		
A) Other Administrative Expenses etc.		
a) Hospital Consumable Ayushman	36,89,75,564.00	10,83,34,299.00
b) Electricity & Power Bill	15,63,81,801.00	14,20,01,081.00
c) Telephone & Internet exp	18,47,619.00	9,97,988.00
d) Printing & Stationery	1,03,35,658.38	25,13,231.00
e) Chemical & Hospital consumables Exp	22,30,52,994.36	9,99,44,037.00
f) Website/ Computer & Software maintenance	6,64,79,803.00	2,88,38,446.00
g) Consumables Store	55,01,822.00	54,06,187.00
h) Laundry & CSSD	51,35,695.10	24,40,414.00
i) Postage	46,952.30	27,228.60
j) Advertisements & Publicity exp	1,70,785.00	99,180.00
k) Travelling Expenditure	69,211.00	3,06,494.00
l) Outsource Manpower	35,26,74,458.00	23,30,84,834.00
m) Traveling Allowance (External)	9,22,426.00	6,08,105.00
n) Local Transport/Vehicle/Ambulance Expenses	59,38,310.00	34,89,394.00
o) Honorarium	10,71,975.00	11,28,675.00
p) Water Charge	-	2,12,599.00
q) Department Contingency	6,26,605.00	4,33,263.00
r) Biomedical waste expenses	28,26,202.00	9,18,689.00
s) Auditors Remuneration		
t) Travelling Allowance Conference	86,37,440.00	55,08,984.00
u) Expenses on Seminar/Workshops/Training	67,57,132.20	1,12,68,266.25
v) Repair and Maintenance Engineering/General	5,35,81,479.00	4,40,63,819.00
w) Hospitality Expenses	8,13,853.00	12,37,643.00
x) Statutory Registration Expenses	25,75,912.00	15,57,331.00
y) Medical Gases	1,00,97,927.00	64,15,927.00
z) Sanitation Expenses	-	1,25,698.00
za) Sports Expense	-	1,64,852.00
zb) Professional Charges	4,33,914.00	4,41,394.00
zc) Round off	0.55	0.81
TOTAL	1,28,49,55,538.89	70,15,68,059.66

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2025		
(Amount in Rs.)		
PARTICULARS	Current Year	Previous Year
	(Rs.)	(Rs.)
SCHEDULE- 22		
(Expenditure on Grants, Subsidies etc.)		
a. Grants given to Institue / Organisation	-	-
b. Subsidies given to Institue / Organisation	-	-
TOTAL	-	-
SCHEDULE- 23		
(Interest)		
a. On Fixed Loans	-	-
b. On other Loans (including Bank Charges)	-	-
c. Others (specify)	-	-
TOTAL	-	-

**SIGNIFICANT ACCOUNTING POLICIES****Schedule - 24****Introduction:**

All India Institute of Medical Sciences, Bathinda (Punjab) is a Central autonomous body under the aegis of the Ministry of Health and Family Welfare under the PMSSY Division. A Gazette Notification was issued on 04th Dec 2019 for the establishment of the All India Institute of Medical Sciences at Bathinda in Punjab. The Government of Punjab transferred land measuring 179.27 acres to the Central Government for the establishment of AIIMS Bathinda.

The PGIMER, Chandigarh, was the mentor institute of AIIMS, Bathinda, and the OPD/IPD services of the Institute have been started.

1. Accounting Convention

The books of accounts of All India Institute of Medical Sciences, Bathinda (Punjab) have been maintained on the basis of Accrual basis of accounting.

2. Inventory Valuation

The Inventory of the Institute, i.e. stores & spares consumables, has been valued at cost price. The costs have been worked out on the First in First Out (FIFO) method.

3. Fixed Assets

- 3.1. Fixed Assets are stated at historical cost of acquisition inclusive of inward freight, duties and taxes and incidental expenses relating to acquisition. In respect of projects involving construction, related pre-operational expenses (including interest on loans for specific project prior to its completion), form part of the value of the assets capitalized.
- 3.2. Fixed assets received by way of non-monetary grants (other than towards the Corpus Fund), are capitalized at values stated, by corresponding credit to Capital Reserve/Corpus Fund.



3.3. Fixed Assets received from the project Funds (HEFA & MOHFW) by the PSA are capitalized as per the installation/assessment in the Institute.

4. Depreciation

4.1. The depreciation has been provided in the books of accounts as per the W.D.V. method and rates specified are as per the Income Tax Act, 1961.

4.2. In respect of addition/deletion of assets during the year, are charged on half of the rate, where the addition/ deletion is less than six months and full rate of depreciation is charged, where the period exceeded six months.

5. Ayushman

5.1. Receipts from the State Health Agencies are accounted for as Income & corresponding exp. towards consumables are accounted for as expenditure.

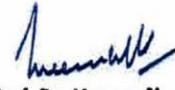
Place: Bathinda

Date: 25/06/25


(Manish S. Bansal & Associates)
Chartered Accountant


(Vishal Kumar)
Sr.Accounts Officer


Dy. Dir. Admin


(Prof. Dr. Meenu Singh)
Executive Director(Addl. Charge)



CONTINGENT LIABILITIES & NOTES ON ACCOUNTS
SCHEDULE - 25

1. Grant-in-Aid

Government Grants are accounted on realization basis. During the financial year 2024-25, Institute has received a total Grant-in-Aid of Rs. 305.61 Cr. from Ministry of Health and Family Welfare, PMSSY Division. Out of the total grant Rs.305.61 Cr. received under GIA-Salary, Rs.191.00 Cr. under GIA- General, Rs.78.00 Cr. under GIA-Capital, Rs. 34.28 Cr. and Rs. 2.33 Cr under GIA (SAP) (Refer Schedule 3).

(in Cr.)

GiA Head	F.Y. 2020-21	F.Y.2021-22	F.Y.2022-23	F.Y.2023-24	F.Y.2024-25
Salary	17.50	89.00	96.37	130.00	191.00
General	13.00	10.00	29.00	59.00	78.00
Capital	07.00	15.00	10.00	30.70	34.28
ECRP (GEN)	-	01.45	-	-	-
ECRP (SALARY)	-	00.44	-	-	-
SAP	01.00	02.00	-	2.00	2.33
Total	38.50	117.89	135.37	221.70	305.61

2. Investment & Deposits

The funds available in the Bank accounts are kept in Corporate Liquid Term Deposit (CLTD) mode. However, The Ministry has implemented the Treasury Single Account (TSA) system, wherein the funds are being transferred to the beneficiaries directly from the RBI account through PFMS.

3. Interest Accrued but not due

The Interest accrued but not due comes to Rs. 2.51 Cr. as on 31.03.2025 (Refer Sch 11.B).

4. Taxation

As the Institute income is exempted from Income Tax under Section 10(23c)(iii)(ab) of Income tax Act 1961, therefore no provision of income tax has been made.

**5. Expenditure Payable (Provision)**

A provision for expenses payable to the tune of Rs. 49.29 Cr. has been made as on 31.03.2025 (Refer Schedule 7(B), this includes salary & other expenses.

6. Current Assets, Loans and Advances

Current assets, loans and advances have been stated in the balance sheet on an actual transaction basis.

7. Secured Loans & Borrowings-

A term loan of Rs. 525 Cr. sanctioned by HEFA vide reference no. SAN/AIIMS/Bathinda/246/2018-19, the payable to HEFA has been paid fully in (21-22) financial year.

8. Retirement and Other employee`s Benefits

The provision for leave encashment and gratuity of Rs. 8.09 Cr. for the current financial year has been made, and that of previous years of Rs. 10.04 Cr. is made out of the corpus funds, based on the Actuarial valuation report.

9. Capital Fund (Donation/CSR, etc.)

During the financial year 2024-25, Rs. 42.35 Cr. have been received from ONGC for PET CT and LINAC as Corporate Social Responsibility (CSR).

10. Foreign Currency Transactions

During the year, the Institute has not entered into any foreign currency transactions.

12. Fixed Assets

- a.) The capitalization of Assets for the establishment of the AIIMS Bathinda Project, funded by MoHFW to PSA, has been considered only as per the details made available.
- b.) Buildings amounting to Rs. 86.91 crore were taken over on 23.12.2019 and amounting to Rs. 497.70 crore on 30.04.2022, after assessment by the Institute.
- c.) The Government of Punjab has allotted 179.27 acres, and the same has been shown in Fixed Assets (Schedule-8) at a nominal value of Rs. 1.00.



- d.) Patient Attendant Shelter home is being constructed by Dwarka Dass Mittal Charitable Trust, Bathinda, on the Institute's land (4000 square meters) under the supervision of the Institute.
13. An amount of Rs 11,28,000/- related to the current financial year towards water and air license fee given to the Punjab pollution control board (for 5 years) in FY 21-22 and Rs 34,74,633/- related to the firewall has been charged to Income and Exp A/c.
14. The interest earned on grant funds for FY 21-22 for Rs 81,45,088/- is deposited into the Consolidated Fund of India.
15. Schedules 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2025 and the Income and Expenditure Account for the year ended on that date.
16. Financial Statement and schedules have been compiled as per the Uniform Format of Accounts for Central Autonomous Bodies and other AIIMS-like Institutes.
17. As the Treasury Single Account has been implemented in the institute, therefore, recurring grants and provisions of the Institute have been charged to the Income and Expenditure Account.
18. The low-value items/consumables received in the donation/ Free of cost are used for patient care and not shown in the books of accounts, as the value of the items may not be ascertained, and invoices are not provided.

Place: Bathinda

Date: 25/06/25


(Manish S. Bansal & Associates)
Chartered Accountant


(Vishal Kumar)
Sr.Accounts Officer


Dy. Dir. Admin


(Prof. Dr. Meenu Singh)
Executive Director(Addl. Charge)



SEPARATE AUDIT REPORT FOR THE F.Y. 2024-25



भारतीय लेखापरीक्षा तथा लेखा विभाग
कार्यालय प्रधान निदेशक लेखापरीक्षा (केन्द्रीय), चण्डीगढ़
Indian Audit & Accounts Department
Office of The Principal Director of Audit (Central),
Chandigarh



सं/No: पी.डी.ए.सी.के. व्यय/SAR/AIIMSBathinda/2024-25/639

दि/Date: 13.11.2024

सेवा मे,

सचिव,
स्वास्थ्य एवं परिवार कल्याण मंत्रालय
(Ministry of Health & Family Welfare),
भारत सरकार,
कृषि भवन, नई दिल्ली - 110001

विषय: All India Institute of Medical Sciences, Bathinda, Punjab के वर्ष 2024-25 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन

महोदय/महोदया,

कृपया All India Institute of Medical Sciences, Bathinda, Punjab के वर्ष 2024-25 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन (Separate Audit Report) संसद के दोनों सदनों के समक्ष प्रस्तुत करने हेतु संलग्न पाएं। संसद में प्रस्तुत होने तक प्रतिवेदन को गोपनीय रखा जाए।

संसद में प्रस्तुत करने के उपरांत प्रतिवेदन की पांच प्रतियाँ इस कार्यालय को भी भेज दी जाएं।

कृपया इस पत्र की पावती भेजें।

भवदीया,

संलग्न: उपरोक्त अनुसार

दृष्टा -

प्रधान निदेशक

✓ उपरोक्त की प्रतिलिपी वर्ष 2024-25 की पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित आवश्यक कार्यवाही हेतु Executive Director, All India Institute of Medical Sciences, Bathinda, Mandi Dabwali road, Bathinda, Punjab-151001 को प्रेषित की जाती है।

भवदीय,

निदेशक (केन्द्रीय व्यय)



Opinion of the Comptroller & Auditor General of India on the Accounts of the All India Institute of Medical Sciences, Bathinda, Punjab for the year ended 31 March 2025

Opinion

We have audited the financial statements of the **All India Institute of Medical Sciences (AIIMS), Bathinda, Punjab** which comprise the statement of financial position as at 31 March 2025 and the Income & Expenditure Account/Receipts & Payment Account for the year then ended, and notes to the financial statements, including a summary of significant accounting policies under Section 19(2) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971 read with Section 18(2) of the All India Institute of Medical Sciences (AIIMS) Act, 1956.

2. This 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, disclosure norms, etc. Audit observations on financial transactions regarding compliance with the Law, Rules and Regulations (Propriety & Regularity) and efficiency cum performance aspects, etc., if any, are reported through inspection reports/ CAG's audit reports separately.

In our opinion, the accompanying financial statements of the All India Institute of Medical Sciences (AIIMS), Bathinda, Punjab, read together with the accounting policies and Notes thereon and other matters mentioned in the Separate Audit Report, which follows, **give a true and fair view** of the financial position of the autonomous body as at March 31, 2025, and (of) its financial performance and its cash flows for the year then ended in accordance with in the format prescribed by the Ministry of Finance, Government of India/ accounting standards generally accepted in India.

Basis for opinion

We conducted our audit in accordance with CAG's auditing regulations/standards/manuals/guidelines/guidance-notes/orders/circulars etc. Our responsibilities are further described in the *Auditor's Responsibilities for the Audit of the Financial Statements* section of our report. We are independent of



the autonomous body in accordance with ethical requirements that are relevant to our audit of the financial statements, and we have fulfilled our other ethical responsibilities in accordance with these requirements. We believe that the audit evidence we have obtained is sufficient and appropriate to provide a basis for our opinion.

Responsibilities of Management for the financial statements

The Board of Management of the All India Institute of Medical Sciences (AIIMS), Bathinda, Punjab is responsible for the preparation and fair presentation of the financial statements in accordance with in the format prescribed by the Ministry of Finance, Government of India/ accounting standards generally accepted in India and for internal control as management determines is necessary to enable the preparation of financial statements that are free from material misstatement, whether due to fraud or error.

Auditor's Responsibilities for the Audit of the Financial Statements

Our objectives are to obtain reasonable assurance about whether the financial statements as a whole are free from material misstatement, whether due to fraud or error, and to issue an auditor's report that includes our opinion in accordance with CAG's auditing regulations/standards/manuals/guidelines/guidance notes/orders/circulars etc.

For and on behalf of the CAG of India

Principal Director of Audit (Central), Chandigarh

Place: *Chandigarh*

Date: *13-11-2025*



Separate Audit Report on the Accounts of the All India Institute of Medical Sciences (AIIMS), Bathinda, Punjab for the year ended 31 March 2025

A. Contingent Liabilities and Notes to Accounts (Schedule 25)

Reference is invited to point no. C(6) issued through Separate Audit Report for the year 2023-24 which states that "The institute has neither shown assets acquired from sponsored projects nor the status regarding ownership of assets has been disclosed in the Notes to Accounts".

In this connection, the Institute has capitalised assets procured out of sponsored projects fund during the year 2024-25 amounting ₹11.64 lakh shown under Fixed Assets schedule (Sch-8). However, assets procured during previous years have not been shown in the fixed assets schedule. Further, no disclosure have been made regarding the ownership of these assets in the Notes on Accounts (Sch-25).

B. Management Letter

Deficiencies which have not been included in this Separate Audit Report have been brought to the notice of the Management through a Management Letter issued separately for remedial/corrective action.

C. Assessment of Internal Controls

C.1 Adequacy of Internal Audit System

Internal audit is being conducted by Ministry of Health and Family Welfare, GOI, Office of Chief Controller of Accounts, Central Internal Audit Party, Chandigarh. No records pertaining to Internal Audit Wing in the Institute was found available in the records. The Last audit was conducted in the year 2023 for the period starting from the establishment of the Institute to 2021-22

C.2 Adequacy of Internal Control System

Internal control system of the Institute was found deficient to the extent that no meeting of Governing Body was held during 2024-25 against the prescribed norm of at least three meetings a year preferably in the month of January, May and September.

C.3 Physical Verification of Fixed Assets and library books

The annual Physical verification of fixed assets for the period 2024-25 was completed on 14.08.2025. Further, the Physical verification of Library books 2024-25 was also under progress at the time of audit.

C.4 Physical Verification of Inventory/stock

The annual Physical verification of Inventory for the period 2024-25 was not conducted.



C.5 Regularity in payment of statutory dues

The statutory dues has been regularly paid by the All-India Institute of Medical Sciences, Bathinda.

D. Grant-in-aid

The Position of Grant-in-aid of AIIMS Bathinda for the year 2024-25 was as under:

(figure in ₹ crore)

Particular	Head	Opening Balance	Received during the year	Utilized during year	Refunded	Closing Balance
General	31	0	78.00	78.00	0	0
Salary	36	0	191.00	191.00	0	0
Capital Creation	35	1.22	34.00	34.00	0	1.22
Capital creation-PMSSY	0398		0.28	0.28	0	0
SAP		0	2.33	2.33	0	0
HEFA		0	0	0	0	0
Total		1.22	305.61	305.61	0	1.22



AIIMS BATHINDA