

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



4th Annual Report
April 2022 – March 2023

**COMMITTED FOR ACHIEVING
HIGH STANDARDS OF MEDICAL SERVICES**



डॉ. मनसुख मांडविया
Dr. Mansukh Mandaviya
माननीय केंद्रीय मंत्री
Hon'ble Union Minister

स्वास्थ्य एवं परिवार कल्याण और रसायन एवं उर्वरक, भारत सरकार
Health and Family Welfare and Chemicals and Fertilizers, Govt. of India



डॉ. भारती प्रविण पवार
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Hon'ble Minister of State

स्वास्थ्य एवं परिवार कल्याण, भारत सरकार
Health and Family Welfare, Govt. of India



प्रो. एस. पी. सिंह बघेल
Prof. S. P. Singh Baghel
माननीय राज्य मंत्री
Hon'ble Minister of State

स्वास्थ्य एवं परिवार कल्याण, भारत सरकार
Health and Family Welfare, Govt. of India

ALL INDIA INSTITUTE OF MEDICAL SCIENCES BATHINDA (PUNJAB)



Annual Report 2022-23

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From the Desk of President, AIIMS Bathinda

Prof. (Dr.) Anil Kumar Gupta



I, am thrilled to share our annual report, spotlighting AIIMS Bathinda's achievements in healthcare excellence, education, and research. As a leading institute, we've excelled in advanced medical facilities, groundbreaking research, and dedicated medical education.

Our devoted faculty inspires the next generation of healthcare leaders, shaping careers through knowledge and innovative thinking. As an autonomous institution, AIIMS Bathinda addresses evolving healthcare needs, extending expertise through outreach programs and collaborations.

Looking ahead, we're poised for greater achievements with a focus on patient-centred approaches and innovative research and teaching. Thanks to every member of the AIIMS Bathinda family for your commitment.

Let's renew our dedication to excellence in healthcare, education, and research, confident that AIIMS Bathinda will continue making significant contributions to medicine.

From the Desk of Executive Director

Prof. (Dr.) Dinesh Kumar Singh



At the outset, I would like to extend my appreciation to all the Faculty, Residents, Nurses, and Staff Members of the Institute. With your help and co-operation, AIIMS Bathinda has made an excellent progress in terms of patient care, research, and academics. The institute has been making rapid strides towards its mission of serving the people of this region and beyond, ensuring the best healthcare services. AIIMS Bathinda has gradually expanded its IPD services in due course of time. There has been expansion particularly in the field of superspeciality departments to make high end superspeciality care accessible to the people of this region. The AIIMS family is experiencing a rapid expansion with recruitment of new faculty, residents, nursing, and other staff to raise the bar of health standards for the people.

I would request all the Faculty Members, Residents, Nursing, and other Staff members to extend their sincere efforts in realizing the mission and objectives of the institute.

Edited jointly by:

Dr. Rakesh Kakkar
Professor and HoD
Department of CFM

Dr. Narinder K. Walia
Associate Professor
Institute of Nursing Edu. & Research

Dr. Madhur Verma
Assistant Professor
Department of CFM

Dr. Soumya Swaroop Sahoo
Assistant Professor
Department of CFM

Sh. Vivek Goyal
Administrative Officer

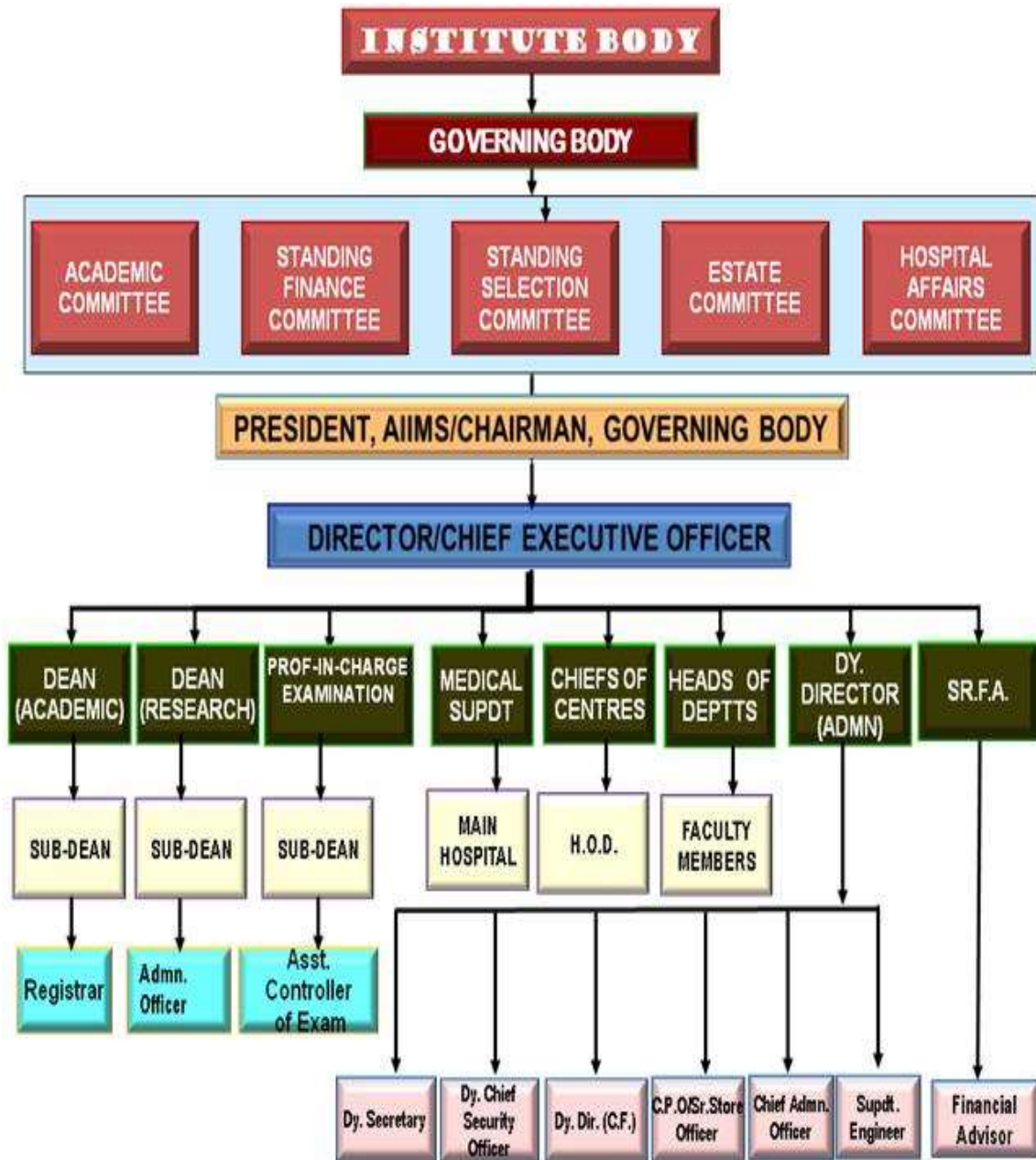
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Organisation Structure of AIIMS Bathinda





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 so as 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:

S.No	Members	Status in IB
1.	Prof. (Dr.) Anil Kumar Gupta, Sr. Professor & Head, Post Graduate Institute of Medical Education & Research, Chandigarh.	President
2.	Shri. Shwait Malik, Member of Parliament, Rajya Sabha	Member
3.	Shri. Sukhbir Singh Badal, Member of Parliament, Lok Sabha	Member
4.	Shri. Gurjeet Singh Aujla, Member of Parliament, Lok Sabha	Member
5.	Shri. Rajesh Bhushan, Secretary, Ministry of Health & Family Welfare	Member
6.	Chief Secretary, Govt. of Punjab (Ex. Officio)	Member
7.	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India	Member
8.	Sh. Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Govt. of India	Member
9.	Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab	Member
10.	Prof. Rajeev Ahuja, Director, IIT Ropar	Member
11.	Prof. K.S. Rangappa, General President, Indian Science Congress Association, Kolkata	Member
12.	Dr. Kamlesh Upadhyay, Professor and in-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	Member
13.	Dr. Yogendra Malik, Professor, Bhagat Phool Singh Govt. Medical College, Sonapat, Haryana	Member
14.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

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: -

(a) **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.



S.No	Status in Governing Body	Members
1.	President of the Institute	Prof. (Dr.) Anil Kumar Gupta, Sr. Professor & Head, Post Graduate Institute of Medical Education & Research, Chandigarh.
2.	Secretary, Ministry of Health & Family Welfare, GoI	Shri. Rajesh Bhushan, IAS, Secretary, MoHFW, GoI
3.	Chief Secretary, Government of Punjab	Chief Secretary, Government of Punjab (Ex. Officio)
4.	Director General of Health Services (Ex- Officio)	Prof. (Dr) Atul Goel, Director General of Health Services, Govt. of India
5.	Representative of the Ministry of Finance (Ex-Officio)	Sh. Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, MoHFW, GoI
6.	Six Members of the Institute Body	(i) Shri Shwait Malik, Member of Parliament, Rajya Sabha
		(ii) Prof. Rajeev Ahuja, Director, IIT Ropar
		(iii) Prof. K.S. Rangappa, General President, Indian Science Congress Association, Kolkata
		(iv) Dr. Kamlesh Upadhyay, Professor and In-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat
		(v) Prof. (Dr.) Dinesh Kumar Singh Executive Director, AIIMS Bathinda
		(vi) -----

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

- (i) Annual accounts showing the receipts and expenditure of the Institute together with the audit report thereon.
- (ii) Budget estimates showing the estimated receipts and expenditure of the Institute.
- (iii) All proposals for the creation of new post.
- (iv) All financial matters pertaining to the Institute.
- (v) All matters relating to the invitation and acceptance of tenders.



S.No	Name of the Member	Status in SFC
1.	Shri. Rajesh Bhushan, IAS, Secretary, MoHFW, Govt. of India	Chairman
2.	Sh. Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, MoHFW, Govt. of India	Vice-Chairman
3.	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India	Member
4.	Chief Secretary, Government of Punjab (Ex. Officio)	Member
5.	Shri. Gurjeet Singh Aujla, Member of Parliament, Lok Sabha	Member
6.	Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab.	Member
7.	Dr. Yogendra Malik, Professor, Bhagat Phool Singh Govt. Medical College, Sonipat, Haryana.	Member
8.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

(c) Standing Estate Committee (SEC):

S.No	Name of the Member	Status in SEC
1.	Shri Shwait Malik, Member of Parliament, Rajya Sabha	Chairman
2.	Shri. Gurjeet Singh Aujla, Member of Parliament, Lok Sabha	Vice-Chairman
3.	Chief Secretary, Government of Punjab (Ex. Officio)	Member
4.	Sh. Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, MoHFW, Govt.	Member
5.	Prof. (Dr.) Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical Education & Research, Chandigarh	Member
6.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

(d) Standing Academic Committee (SAC):

S.No	Name of the Member	Status in SAC
1.	Prof. (Dr.) Kamlesh Upadhyay, Professor and In-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	Chairman
2.	Prof. Rajiv Ahuja, Director, IIT Ropar	Vice-Chairman
3.	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India	Member
4.	Prof. K.S. Rangappa, General President, Indian Science Congress Association, Kolkata	Member
5.	Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab	Member
6.	Prof. (Dr.) Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical Education & Research, Chandigarh.	Member
7.	Dr. Yogendra Malik, Professor, Bhagat Phool Singh Govt. Medical College, Sonipat, Haryana	Member
8.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

**(e) Standing Selection Committee (SSC):**

S.No	Name of the Member	Status in SSC
1.	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India	Chairman
2.	Prof. (Dr.) Kamlesh Upadhyay, Professor and in-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	Member
3.	Prof. Rajeev Ahuja, Director, IIT Ropar	Member
4.	Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab	Member
5.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

(f) Standing Hospital Affair Committee (SHAC):

S. No	Name of the Member	Status in SHAC
1.	Prof. Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical Education and Research, Chandigarh	Chairman
2.	Dr. Yogendra Malik, Professor, Bhagat Phool Singh Govt. Medical College, Sonapat, Haryana	Member
3.	Chief Secretary, Government of Punjab	Member
4.	Prof. (Dr.) Atul Goel, Director General of Health Services, Govt. of India	Member
5.	Prof. (Dr.) Kamlesh Upadhyay, Professor and Head, Department of Medicine, Byramjee J. Medical College and Civil Hospital, Ahmedabad, Gujarat	Member
6.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary

(g) Standing HR Sub Committee (SHSC):

S.No	Name of the Member	Status in SHSC
1.	Sh. Jaideep Kumar Mishra, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Government of India	Chairman
2.	Prof. Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical Education and Research, Chandigarh	Vice-Chairman
3.	Chief Secretary of the concerned State or his/her representative not below the rank of Health Secretary of the concerned State dealing with Medical Education in the State	Member
4.	Executive Director, AIIMS Bathinda	Member-Secretary



GENERAL ADMINISTRATION



GENERAL ADMINISTRATION

SANCTIONED STRENGTH AND IN-POSITION

As on 31 March 2023

During the year, Faculty and Non- Faculty recruitment was done. Accordingly, the Sanctioned and working Strength of faculty and Non-faculty in FY 2022-23 is as follows:

S. No	Category	Sanctioned Strength	In-position (As on 31.03.2023)
1.	Project Cell	08	02
2.	Faculty	183	112
3.	Senior Residents and Junior Residents	170	100
4.	Non-Faculty – Nursing College and Hospital Services	914	500
5.	Other Non- Faculty (Group A)	03	02
6.	Other Non- Faculty (Group B and C)	21	09
	Total	1299	725

PROJECT CELL

Detail of Project Cell Post

Director	–	Prof. (Dr.) Dinesh Kumar Singh
Medical Superintendent	–	----
Deputy Director (Administration)	–	Lt. Col. Rajeev Sen Roy
Financial Advisor (Additional Charge)	–	Shri Abhay Kumar FA, PGIMER, Chandigarh
Administrative Officer	–	Shri Vivek Goyal
Superintendent Engineer	–	----
Executive Engineer (Civil)	–	----
Executive Engineer (Electrical)	–	----



The Administrative Division is broadly responsible for the following tasks:

1. Manpower planning and Recruitment, Human Resources.
2. General Administration.
3. Project implementation.
4. Establishment matters of faculty and non-faculty.
5. Security.
6. Disciplinary matter.
7. Vigilance.
8. Engineering Services.
9. Stores and Procurement.
10. Parliament questions.
11. Coordination of meetings of Statutory Bodies.
12. Constitution of various committee to look into functioning of Institute.
13. Implementation of Right to Information Act.
14. Works assigned by Ministry/ Director, AIIMS.



ADMINISTRATION

Deputy Director (Administration)
Lt. Col. Rajeev Sen Roy
Administrative Officer
Shri Vivek Goyal
Accounts Officer
Smt. Leena Kumari
Jr. Administrative Officer
Mr. Himanshu Khulbey
Personal Assistant
Mr. Piyush Kumar Sharma
Sr. Admin. Assistant
Mr. Dinesh Mittal
Stenographer
Mr. Vikas
Cashier
Mr. Charanjeet Kumar
Jr. Admin. Assistant
Mr. Prabhjot Singh



BUILDING AND ENGINEERING DEPARTMENT

BRIEF OF AIIMS, BATHINDA PROJECT

	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	1. Hospital Block: 750 Bedded with OPD, IPD, AYUSH 2. Academic Block: Medical College, Nursing College 3. 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:

- | | | |
|------------|----------------------------------|-------------------|
| (a) | Hospital Block (720 Beds) | |
| | i. Specialty Departments | - 360 Beds |
| | ii. Super Specialty Departments | - 215 Beds |
| | iii. Other Facilities | - 145 Beds |
| (b) | AYUSH Block | - 30 Beds |
| | Total Beds | - 750 Beds |

SUMMARY OF FACILITIES PLANNED/ PROVIDED

Sr No	Buildings/Particulars	Planned/ Provided
1.	Main Hospital Block (IPD, OPD, OT, MGPS)	720 Beds
2.	AYUSH Block	30 Beds
3.	Medical College and Nursing	100 Admissions (Medical College)
4.	College	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 No.



A night view of the AIIMS Bathinda

In FY 2022-23, the following facilities have been made functional at the Institute for the welfare of visiting patients & their attendants, faculty, staff, students of the Institute:

Cafeteria Site: 1



Cafeteria Site: 2



Cafeteria Site: 3





Amrit Pharmacy at IPD



Amrit Pharmacy at OPD



IBS (In-building solution) for better mobile network strength inside Hospital and College building





Central Bank of India ATM Site



Equipment for laundry services are available at site. Laundry to be operational soon.



AUDITORIUM



OUTER VIEW



INNER VIEW



ACADEMIC SECTION



DEPARTMENT OF ANAESTHESIOLOGY AND CRITICAL CARE

Name of the Department	Anaesthesiology and Critical Care
Head of the Department	Dr. Anju Grewal

1. Faculty Details:

S No	Name of faculty	Designation	Date of Joining
1.	Dr. Anju Grewal	Professor and HOD	16.12.2022
2.	Dr Mayank Gupta	Associate Professor	02.08.2021
3.	Dr Navneh Samagh	Associate Professor	09.11.2019
4.	Dr Jyoti Sharma	Associate Professor	01.02.2020
5.	Dr Gopal Krishan Jalwal	Assistant Professor	14.08.2021
6.	Dr Jyoti Kanwat	Assistant Professor	14.08.2021
7.	Dr Shashank Paliwal	Assistant Professor	14.08.2021
8.	Dr. Gegal Pruthi	Assistant Professor	23.08.2021
9.	Dr. Ankita Dey	Assistant Professor	03.01.2022

2. Brief Introduction of the department:

The Anesthesia 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.

- a. **Patient-Centric Care:** Over the past year, we have continued to prioritize patient safety, comfort, and optimal outcomes. Our specialized anaesthesia services have supported a wide range of surgical interventions, including neurosurgery, cardiovascular surgeries, complex major abdominal and urological surgeries. For Cesarean sections, the department provides tailored anaesthesia options, promoting pain-free deliveries, and also caters to high risk pregnancies including placenta accreta spectrum, severe preeclampsia and heart diseases. In neurosurgery, our expertise shines during aneurysm and tumour surgeries, with a focus on intracranial pressure management. For cardiovascular and thoracic surgeries, including congenital heart defects and CABG, precise hemodynamic control and anaesthesia maintenance are paramount. In major abdominal surgeries, anaesthesia is tailored to facilitate early recovery after surgery, with special emphasis on management of post-operative pain. We have consistently delivered pain management solutions tailored to each patient's unique needs, ensuring their well-being throughout their surgical journey whilst practicing concepts of Enhanced Recovery after Surgery (ERAS).
- b. **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.
- c. **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.



3. 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. Shashank Paliwal	Incidence and Risk Factors of Post-Operative Pulmonary Complications after Craniovertebral Junction Anomaly Surgery: A prospective, observational study	Neurocritical Care Conference NCC 2022 (1-3 July 2022)-	Malaysian Society of Neuroanaesthesiology and Neurocritical Care (MSNACC)
2.	Dr Gegal Pruthi	Anaesthesia considerations in Adult PDA	9th annual international conference SWACC ELSO-2023	ECMO society of India
3.	Dr Navneh Samagh	Use of oxytocin in caesarean sections among anaesthesiologists in India: A survey study	SAARC AA 2022 14th International Congress of Anaesthesiologists (12-14 August 2022)	South Asian Association for Regional cooperation- Association of anaesthesiologists
4.	Dr Jyoti Sharma	Unanticipated challenges in anticipated difficult airway in thyroid swelling	9th annual international conference SWACC ELSO-2023	ECMO society of India
5.	Dr Gopal Krishan Jalwal	Faculty at "Mass Casualty scenario"	2nd Indo Israel Trauma course and mass casualty Scenario (MCS)	Organised by Advanced Trauma Care and Research Society, Varanasi
National conferences				
1.	Dr Gegal Pruthi	Let A-TOFI solve the triple trouble	YUVA-ISACON-2022	Indian Society of Anaesthesiologists
2.	Dr Gegal Pruthi	Adult PDA, CRS	IACTA-2023	IACTA
3.	Dr Gegal Pruthi	Delivered a talk on "Women in Anaesthesia: Challenges and Solutions" at	YUVA, ISACON-2022	Indian Society of Anaesthesiologists
4.	Dr Gegal Pruthi	Panel discussion on the "Termination of Resuscitation: Ongoing Dilemma"	NZISACON Shimla	Indian Society of Anaesthesiologists-North Zone
5.	Dr Gegal Pruthi	Basic physics of Transesophageal Echocardiography	IACTA, Jaipur 2023	IACTA
6.	Dr Gegal Pruthi	Ventilation Strategies and Brain Protection during Cardiac Surgeries"	NZACTA CME in Ludhiana.	IACTA-North zone
7.	Dr Gegal Pruthi	Panel discussion on "Anaesthesia and Postoperative Cognitive	ICA webinar	ICA



		Dysfunction: What Do Markers and Genetics Tell Us?"		
8.	Dr Gegal Pruthi	Seminar on "BLS"	ACLS WORKSHOP	AIIMS, Bathinda
9.	Dr Anju Grewal	Resource Faculty Delivered three Talks viz., 1. Patient Blood Management, 2. Hypoxic Pulmonary Vasoconstriction, 3. Difficult Regional in Obstetrics AND was 4. Expert faculty for conducting workshop on Supraglottic Airway Devices	24 th Ramachandra Anaesthesia Continuing Education (RACE) 27 th -29 th January 2023 at SRMC, Chennai, India	Annual RACE PG program of SRMC Chennai, India
10	Dr Anju Grewal	Organising Coordinator ICA webinar on "Markers in Anaesthesia and Genomic sequencing related to anesthesia"	ICA Nationalwebinar	Indian College of Anaesthesiologists (ICA)
11	Dr Anju Grewal	Resource faculty for workstation on Airway skills for Oro-maxillofacial surgeries and Trauma	Advanced Airway workshop of Airway Management Foundation at AIIMS Patna on 4th Feb 2023	Airway Management Foundation (AMF)India
12	Dr Anju Grewal	Faculty Speaker: delivered Talk on "Physiological Changes in Pregnancy: Anaesthetic implications" on 17 th February 2023	Central Zone PG Assembly at Banaras Hindu University (BHU)	ISA
13	Dr Anju Grewal	Faculty Speaker: delivered two talks on: "Anaemia in Pregnancy" & "Management of Perioperative Obstetric Emergencies" on 18 th February 2023	Anesthesia Review Course (ARC) at Tata Memorial Hospital, Mumbai	Tata Memorial Hospital, Mumbai
14	Dr shashank paliwal	Faculty Speaker: delivered a lecture on: Advanced neurosurgical monitoring (EP)	19 th North Zone ISACON 2022	IGMC, Shimla from 28th to 30th october 2022
15	Dr shashank paliwal	Faculty Speaker: Conducted quiz	the 3rd Annual conference of the Neurocritical Care Society of India (3rd NCSI) · the 24th Annual Conference of the Indian Society of Neuroanaesthesiology and Critical Care (ISNACC 2023), Hyderabad, India (19-22 January 2023)	NCSI ISNACC



16	Dr Jyoti Sharma	Faculty speaker Debate: Block It or Drop It? Debating Neuromuscular Blockade for Acute Respiratory Distress Syndrome	CRITICON 2022, Varanasi.4 th -5 th June 2022	ISCCM UP-UK State, Varanasi Branch
17	Dr Jyoti Sharma	Faculty speaker- Panelist for panel discussion on- "HPB Oncosurgeries: Intersting cases and best practices	4th Annual Conference of Society of Onco-Anesthesiology and Perioperative Care (SOAPCCON) 2022	Tata Memorial Hospital, Mumbai
18	Dr Jyoti Sharma	Faculty speaker "Ventilator Associated Pneumonia: Diagnosis And Prevention"	MAPICON 2022	Association of Physicians of India (Malwa branch)
19	Dr Jyoti Sharma	Faculty speaker: Delivered two lectures 1. "Hyperbaric Oxygen Therapy in acute wound", AIIMS Bathinda 2. "Intra-operative Acquired Pressure Ulcer"	National conference of Indian Society of Wound Management, WOUNDCON 2023	AIIMS Bathinda
20	Dr Jyoti Sharma	Faculty speaker: "Laryngospasm"	Anaesthesia Postgraduate Pre-Examination Course (APPEC-23)	ABVIMS & Dr RML Hospital, New Delhi
21	Dr Jyoti Sharma	Faculty speaker: "Procedural Challenges Tubes and Drains- Safe tracheal intubation in ICU"	29 th Annual conference of Indian Society Of Critical Care Medicine (CRITICARE 2023) 24 th -26 th Feb 2023	ISCCM
22	Dr Jyoti Sharma	Faculty for BCLS & COLS Workshop , 61 st annual conference of Indian Society of Anaesthesiologists, Delhi Branch, ISACON Delhi 2022, on 8 th & 9 th October 2022		
23	Dr Jyoti Sharma	Resource Faculty for Airway Workshop	3rd International and 13th Annual National Conference of Indian College of Anaesthesiologists ICACON	GMCH Chandigarh, India
24	Dr Jyoti Sharma	Resource Faculty for Onco anaesthesia workshop "USG guided Regional Anaesthesia for Cancer Patients"		AIIMS Jodhpur
25	Dr Jyoti Sharma	Resource Faculty for workshop--ABG, Capnography, Ventilatory Mechanics	POST GRADUATE ASSEMBLY 2023	AIIMS New Delhi



26	Dr Gopal Krishan Jalwal	Faculty at workshop for airway management	ACCC (Acute critical care course)	Royal college of surgeons
27	Dr Gopal Krishan Jalwal	Faculty in obstetric simulation workshop	RAJASWICON 2022	Rajasthan ISACON
28	Dr Gopal Krishan Jalwal	Paper presentation Comparative study of two doses of nebulised dexmedetomidine in pediatric patient as premedication: prospective randomized trial)	RAJASWICON 2022	Rajasthan ISACON
29	Dr Gopal Krishan Jalwal	Panel discussion on "Anaesthesia and Postoperative Cognitive Dysfunction: What Do Markers and Genetics Tell Us?"	ICA webinar	ICA
30	Dr Jyoti Kanwat	Faculty at workshop for airway management	ACCC (Acute critical care course)	Royal college of surgeons
31	Dr Jyoti Kanwat	Faculty in obstetric simulation workshop	RAJASWICON 2022	Rajasthan ISACON
32	Dr Jyoti Kanwat	Paper presentation Pre-puncture epidural space depth assessment with ultrasound and its correlation with needle depth in parturients: a prospective observational study (podium presentation) RAJASWICON February 2022	RAJASWICON 2022	Rajasthan ISACON
33	Dr Jyoti Kanwat	Panel discussion on "Anaesthesia and Postoperative Cognitive Dysfunction: What Do Markers and Genetics Tell Us?"	ICA webinar	ICA
34	Dr Ankita Dey	Resource faculty at "Hemodynamic Monitoring workshop"	Neurocritical Care Society of India 3rd annual conference, 2022	Neurocritical Care Society of India (NCSI)
35	Dr Ankita Dey	Faculty lecture on "Cerebral physiology" and resource faculty for workshop on EEG and total intravenous anaesthesia (TIVA)	Neuroanaesthesia and Neurocritical Care CME, 2022	Department of Anaesthesiology and Critical Care, JIPMER under the aegis of ISNACC



4. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1.	Dr. Gegal Pruthi	Fellowship in ECMO		The simulation society
2.	Dr Jyoti Sharma	Young Speaker Search Award	Criticare 2023	Indian society of critical care medicine
3.	Dr Jyoti Sharma	Instructor course FCCS		SCCM USA
4.	Dr Navneh Samagh	Guy's Airway Management course		
5.	Dr shashank paliwal	Introduction to Systematic review and Meta-analysis course.	Coursera	John Hopkins University
6.	Dr Jyoti Kanwat	Dr H.K Gupta Award	Best paper presentation Rajaswicon	Indian society of Anaesthesia

5. Research activities undertaken in the department:

S.No	Name & designation of PI	Title of the project	Source of support	Status	Budget
Projects sanctioned					
1.	Dr Mayank Gupta- Associate Professor	Development and implementation of a Comprehensive Coordinated Community based Palliative Care model for Cancer Patients (C3PaC)	Extramural	Ongoing	78 lakhs

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

- 1) **Dey A**, Bidkar PU, Swaminathan S, M MK, Joy JJ, Balasubramanian M, et al. Comparison of two techniques of goal directed fluid therapy in elective neurosurgical patients - a randomized controlled study. Br J Neurosurg. 2023 Feb 3;1–9.
- 2) Bhimsaria SK, Bidkar PU, **Dey A**, Swaminathan S, Joy JJ, T H, et al. Clinical utility of ultrasonography, pulse oximetry and arterial line derived hemodynamic parameters for predicting post-induction hypotension in patients undergoing elective craniotomy for excision of brain tumors - A prospective observational study. Heliyon. 2022 Nov;8(11):e11208.
- 3) Kuberan A, Ramadurai R, Balasubramanian M, **Dey A**. Anaesthetic concerns in pregnancy associated with myelin oligodendrocyte glycoprotein encephalomyelitis. Indian J Anaesth. 2022 Aug;66(8):614–6.
- 4) Balasubramanian M, **Dey A**, Ramadurai R, Kuberan A. Indocyanine Green Administration May Cause an Exaggerated Peripheral Oxygen Desaturation in the Presence of Liver Disease—An Underemphasized Observation. J Neuroanaesth Crit Care. 2022;9(03):215–6.
- 5) **Samagh N**, Jangra K, **Dey A**. Post-craniotomy Pain: An Update. J Neuroanaesth Crit Care. 2023;10(01):021–30.
- 6) **Dey A**, Khandelwal A. Hyperoxia in neurocritical care: Current perspectives. Med J Armed Forces India. 2023;



- 7) Bharathi K, **Pruthi G**, Lathashree S, Simha PP. The Bacteriological and Clinical Outcomes of Ventilator-associated Pneumonia Post-cardiac Surgery in the Pediatric Surgical Intensive Care Unit: A Prospective, Observational Study. *Bali J Anaesthesiol* 2022;6:103-7
- 8) Bharathi KS, Bhat A, **Pruthi G**, Simha PP. Randomized control study of nebulized colistin as an adjunctive therapy in ventilator-associated pneumonia in pediatric postoperative cardiac surgical population. *Ann Card Anaesth.* 2022 Oct-Dec;25(4):435-440. doi: 10.4103/aca.aca_81_21. PMID: 36254907; PMCID: PMC9732961.
- 9) Bharathi KS, **Pruthi G**, Dhananjaya M, Simha PP. The effect of levosimendan on the right ventricular function in patients with right ventricular dysfunction undergoing mitral valve surgery. *Ann Card Anaesth.* 2023 Jan-Mar;26(1):50-56. doi: 10.4103/aca.aca_179_21. PMID: 36722588; PMCID: PMC9997477.
- 10) **Pruthi G; Gupta M**; Bharathi KS; Singh N.; Sood D; Singh K; Choudhary Praveen Kumar; Gupta Priyanka. Dexamethasone versus Fentanyl as an Adjuvant to Ropivacaine in Ilioinguinal and Iliohypogastric Nerve Block for Postoperative Analgesia: A Prospective Randomized Double-blind Trial in Lower-segment Cesarean Section. *Indian Journal of Pain* 37(1):p 27-33, Jan–Apr 2023. | DOI: 10.4103/ijpn.ijpn_21_22
- 11) **Gupta M**; Gupta P; **Pruthi G**; Kumar H. UltraFluoro-Guided Low-Dose Caudal Anesthesia in Patients with Ankylosing Spondylitis: A Case Series Delineating the Technical, Safety, and Efficacy Considerations. *Indian Journal of Pain* 37(1):p 53-55, Jan–Apr 2023. | DOI: 10.4103/ijpn.ijpn_63_22
- 12) **Gupta M, Pruthi G**, Gupta P, Singh K, **Kanwat J**, Tiwari A. Impact of End-of-Life Nursing Education Consortium on Palliative Care Knowledge and Attitudes Towards Care of Dying of Nurses in India: A Quasi-Experimental Pre-post Study. *Am J Hosp Palliat Care.* 2023 May;40(5):529-538. doi: 10.1177/10499091221108342. Epub 2022 Jun 15. PMID: 35703389.
- 13) Rao SR, Rao KS, Singhai P, **Gupta M**, Rao S, Shanbhag V, Balakrishnan JM, Acharya RV, Varma M, Saravu K, Munikrishna R, Thomas J, Muthanna CG, Shetty A, Rao SK, Salins N. COVID-19 Palliative and End-of-Life Care Plan: Development and Audit of Outcomes. *Indian J Palliat Care.* 2022 Jul-Sep;28(3):272-279. doi: 10.25259/IJPC_59_2021.
- 14) Gupta, Priyanka; **Gupta, Mayank**. In situ remodeling of Montgomery T-tube: Anesthetic challenges and serendipitous discoveries. *Journal of Anaesthesiology Clinical Pharmacology* 38(3):p 493-494, Jul–Sep 2022.
- 15) **Paliwal S, Samagh N**, Singh N, **Sharma J**. Management of a broken stylet in endotracheal tube. *Saudi J Anaesth* 2023;17:121-3.
- 16) Jain M, Lal J, Aggrawal D, **Sharma J**, Singh AK, Bansal T. A Study to Evaluate Changes in Modified Mallampati Class in Patients Undergoing Spine Surgery in Prone Position. *Cureus.* 2022 Jun 8;14(6):e25767. doi: 10.7759/cureus.25767. PMID: 35812600; PMCID: PMC9270187.
- 17) Bala R, Budhwar D, Kumar V, Singhal S, Kaushik P, **Sharma J**. Clinical and ultrasonographic assessment of airway indices among non-pregnant, normotensive pregnant and pre-eclamptic patients: a prospective observational study. *Int J Obstet Anesth.* 2023 Jan;54:103637. doi: 10.1016/j.ijoa.2023.103637. Epub 2023 Feb 1. PMID: 36827944.
- 18) Choudhary N, Verma A, Verma J, Singh RP, Ray S, **Sharma J***. Comparison of infusion dexmedetomidine with magnesium sulphate for attenuation of the haemodynamic response during endotracheal intubation in adult patients. *Int J Acad Med Pharm* 2023; 5 (2); 1505-1512
- 19) **Samagh N**, Panditrao MM, Panditrao MM, Singh N. Rhythm disturbances and their management in a case of Ebstein's anomaly. *The Indian Anaesthetists Forum* 24(1):p 79-80, Jan–Jun 2023.
- 20) Kaur H, Ahuja J, Singh P, Dhillon NK, **Samagh N**, Tiwari P. Necrotic mediastinal lymphadenopathy: Tuberculosis or Sarcoidosis, a diagnostic conundrum - A case report and review of the literature. *J Family Med Prim Care.* 2022 Nov;11(11):7425-

7429. doi: 10.4103/jfmpc.jfmpc_716_22. Epub 2022 Dec 16. PMID: 36993023; PMCID: PMC10041322.
- 21) Jain R, Bansal K, Jain K, Singh MR, **Grewal A.** (2023) Ultrasound-guided subarachnoid block in kyphoscoliotic parturient posted for urgent caesarean section. *J Obstet Anaesth Crit Care* 2023;13:112-5.
 - 22) Kurdi MS, Rajagopal V, Sangineni KS, Thalaiappan M, **Grewal A,** Gupta S. (2023) Recent advances in obstetric anaesthesia and critical care. *Indian J Anaesth* 2023; 67:19-26
 - 23) **Gupta M, Jalwal G, Grewal A** (2023). Converting Regional Anaesthesia database into Publication: A step-based approach | *International Journal of Regional Anaesthesia* | January-June 2023; 4(1): 04-06 | DOI:<https://doi.org/10.13107/ijra.2023.v04i01.067/>
 - 24) **Mayank Gupta,** Ankita Kankaria, Soumya Swaroop Sahoo, Sushma Bhatnagar, Rakesh Kakkar, **Anju Grewal, Gegal Pruthi** and Lajya Devi Goyal (2023). Comprehensive coordinated community based palliative care (C3PaC) model for cancer patients in North India: a mixed-method implementation research study protocol. *BMC Palliative Care* (2023) 22:61
 - 25) Ahuja S, Kaur G, Garg K, **Grewal A.** (2023) Conventional versus reverse insertion of i-gel® in overweight and obese patients – Interventional randomised controlled trial. *Indian J Anaesth* 2023;67:708-13
 - 26) Karlupia D, Garg K, Jain R, **Grewal A.** (August 07, 2023) Transnasal Humidified Rapid-Insufflation Ventilatory Exchange Versus Conventional Facemask Breathing for Preoxygenation During Rapid Sequence Induction. *Cureus* 15(8): e43063. DOI 10.7759/cureus.43063
 - 27) Megha Sood , Richa Jain , Gurpreeti Kaur , Amol Rattan , Mirley Rupinder Kaur , Rajnish Garg , **Anju Grewal.** Comparative Evaluation of Varying Volumes of Local Anaesthetic Solution in Pericapsular Nerve Group Block (PENG) on Dynamic Pain Relief after Hip Surgeries. *International Journal of Regional Anaesthesia* | January-June 2023; 4(1): 20-25 | DOI: <https://doi.org/10.13107/ijra.2023.v04i01.070>
 - 28) **Pruthi G, Samagh N, Utkarsh, Grewal A.** Anaesthesia management in anti-synthetase syndrome, a rare orphan disease – A case study. *Indian J Anaesth* 2023
 - 29) Singh S, Kaur G, Jain R, Luthra N, Sharma N, **Grewal A.** Perfusion index as predictor of intraoperative hypotension following subarachnoid block in cesarean section: A prospective, observational study. *Bali J Anaesthesiol* 2023
 - 30) Kaur, Bhanupreet, **Kanwat Jyoti, Jalwal Gopal,** Singh Inderpreet. Case series on successful anesthetic management of COVID-19–positive obstetric patients undergoing emergency cesarean section. *Journal of Family Medicine and Primary Care*: October 2022 - Volume 11 - Issue 10 - p 6541-6544
 - 31) **Jalwal GK, Kanwat J,** Kaur B, Yadav D. The challenges of managing cardiac arrest due to unascertained massive pulmonary embolism in the postoperative cancer patient. *Indian J Clin Anaesth* 2023;10(1):116-117.
 - 32) **Jalwal GK, Kanwat J,** Garg B, Kaur B. Rare incidental presentation of urinary bladder paraganglioma and the anaesthetic challenges faced: A case report. *Indian J Clin Anaesth* 2023;10(2):201-203

7. Detail of Book/chapter in a book published with indexing database*

- (a) Vanamoorthy P, **Dey A,** Bidkar P. Sedation in Neurocritical Care. *Neurosurg Updat Vol 3 Crit Care Neurosurgeons.* 2023;47:45.
- (b) **Sharma J,** Ahmed A, Siddiqui S.S. (2022). Airway Management in Critically Ill. In Gupta B.K.(Ed.). *Critical Care Medicine: Bench to Bedside.* (pp 19-24). New Delhi: Jaypee Brothers Medical Publishers (P) Ltd. ISBN 978-93-5465-889-1
- (c) Singh N, **Samagh N, Sharma J** (2022). Modifications in Critical care units for COVID-19-A Practical Approach. In Verma M (Ed.). *Clinics in COVID Pandemic.* (pp 93-103). New Delhi: Century publications ISBN: 9788195618910

- (d) 4. **Sharma J, Singh N, Samagh N** (2022). Containing COVID: Changing the Operation Theatre Protocols. In Verma M (Ed.). Clinics in COVID Pandemic. (pp 104-111). New Delhi: Century publications ISBN: 9788195618910
- (e) Sharma P.K., **Sharma J, Tiwari V** (2022). Clinical Trials in COVID-19. In Verma M (Ed.). Clinics in COVID Pandemic. (pp 303-311). New Delhi: Century publications ISBN: 9788195618910
- (f) Sodhi K, **Samagh N, Phillips A.** (2022) Biomarkers in sepsis. In Rungta N(Eds) W4C Sepsis Compendium (pp 97-108). Jaipur: Diamond Printing Press.

8. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Name of faculty member	Research papers	Book/Book chapter	i10 index*	H index*
Dr. Anju Grewal	4		24	15
Dr. Mayank Gupta	6		8	
Dr Navneh Samagh	4	3	4	5
Dr Jyoti Sharma	3	4	4	6
Dr. Ankita Dey	6	0		
Dr Gopal	4			
Dr Jyoti Kanwat	3			
Dr. Gegal Pruthi			1	2
Dr shashank paliwal				2

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

- (a) Training activities conducted, surgeries, camps, etc.
- (b) Number of Conference Organized*- National Fluid Update, FCCS COURSE, Panel discussion in Anaesthesia and postoperative cognitive dysfunction: what do markers and genetics tell us?
- (c) Number of Workshop Organized*- ACLS WORKSHOP
- (d) To be mentioned very-very briefly. Please attach high resolution relevant photographs (JPEG format) with a caption below.
- (e) Please name the photographs as Dept/Sr No. For example in case of anatomy dept, the photographs will be named as Anatomy/01, Anatomy/02 and so on.

10. Number of Thesis Supervised MD/MS*-

- (a) Dr. Mayank Gupta-2 (Guide), 1 (Co-Guide)
- (b) Dr Navneh Samagh-2(Guide), 1 (Co-Guide)
- (c) Dr Jyoti Sharma -2(Guide), 1(Co-guide)
- (d) Dr. Ankita Dey - 2 (as co-guide)
- (e) Dr. Gegal Pruthi- 1(co-guide)
- (f) Dr. Shashank Paliwal 1(co-guide)
- (g) Dr Jyoti Kanwat -1 (Co-guide)
- (h) Dr Gopal Jalwal -2 (Co-guide)



Anaesthesiology-01



Anaesthesiology-02



DEPARTMENT OF ANATOMY

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

1. Faculty Details:

Sr.No	Name of faculty	Designation	Date of Joining
1.	Dr Priti Chaudhary	Additional professor & head	23-8-2019
2.	Dr Navita Aggarwal	Associate professor	22-8-2019
3.	Dr Apurba Patra	Assistant professor	17-08-2019
4.	Dr Anjali Singal	Assistant professor	20-08-2019
5.	Dr Vandana Tiwari	Assistant professor	08.12.2021
6.	Dr Anju Choudhary	Assistant professor	18.12.2021

2. Brief Introduction of the department:

(a) Academics and teaching:

The educational efforts are directed towards undergraduate & postgraduate course in gross anatomy, microscopic anatomy, embryology and neuroanatomy. We added Anatomage (Virtual Dissection Table) along with other innovative teaching learning methods like Early Clinical Exposure, Self-directed learning etc. for the better understanding of the subject. We established a well-equipped dissection hall, microscopy laboratory, Anatomage lab and in the process of setting of museum and research laboratory.

(b) Vision:

- i. 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 to undergraduate and postgraduate students perusing their carrier in anatomy.
- ii. To create an intellectually vibrant environment within the department.
- iii. To impart Clinical Skills to the students by various innovative teaching-learning methods.

(c) Expansion planned for the future:

- i. **Clinical Services:** The department plans to conduct hands on workshops for different clinical branches. For the same, planned a hands-on workshop with E.N.T. department in the month of September/October.
- ii. **Research:** The department plans to establish an electron microscopy laboratory, to develop various embalming techniques, especially to start soft embalming technique and research in relevant surgical anatomy as required and liked by clinicians for novel techniques.

3. 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*-5



S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1.	Dr Apurba Patra (PI), Dr Priti Chaudhary (CO-PI)	Morphometric Analysis Of Cerebral Intraventricular Sizes In North Indian Adult Population: A Cross-Sectional Magnetic Resonance Imaging Study	BMSe-CON 2022, 3rd International e-conference	Center for Biomedical Research, AVMC&H, Puducherry, India held from 17th to 19th November 2022
2.	Dr Apurba Patra	Reappraisal of the Anatomical Diversity of Pyramidalis Muscle With Its Substantial Clinical Applicability: Cadaveric Analysis	BMSe-CON 2022, 3rd International e-conference	Center for Biomedical Research, AVMC&H, Puducherry, India held from 17th to 19th November 2022.
3.	Dr Anjali Singal	Organ Donation "Second chance infinite Hope"	1 st international conference of Anatomy Living Anatomy in 21 st century: An emerging trend in health sciences	Desh Bhagat University, Punjab
4.	Dr Anjali Singal	Bilateral Olecranon spur: An Anatomical Case Study	International Anatomy Conference "Future of Anatomical Sciences Education"	Dr. DY Patil Medical College, Hospital & Research Center Pune
5.	Dr Anju Choudhary	An Anomalous additional muscle belly of flexor digitorum profundus: A case report	FASE 2023 July 2022	SRMC & RI chennai
National conferences				
1.	Dr Priti Chaudhary	Pivotal role of Anatomy department in cadaveric eye donation	CME on Eye banking and Eye donation: the way forward	Ophthalmology Department, AIIMS Bathinda



2.	Dr Priti Chaudhary	“Integrated Teaching Atlas of Human Brain Anatomy using Cadaveric Sections and Annotated MRI images”	11 th National Conference of Society of Clinical Anatomists (SOCA-2023)	Dayanand Medical College, Ludhiana, India
3.	Dr Priti Chaudhary	“Pivotal role of newer teaching modalities in Medical education in current digital era”	1 st international conference of Anatomy Living Anatomy in 21 st century: An emerging trend in health sciences (ICOA-NZSOA 2023)	Desh Bhagat University, Punjab
4.	Dr Apurba Patra, (PI), Dr Priti Chaudhary (CO-PI)	Identification of valid anatomical landmarks to locate and protect recurrent laryngeal nerve during thyroid surgery: A cadaveric study	10 th National Conference of Society of Clinical Anatomists (SOCA-2022),	Government Doon Medical College, Dehradun, India held from
5.	Dr Anjali Singal (PI), Dr Priti Chaudhary (CO-PI)	An anatomic study of external occipital protuberance classification with special reference to spine type and its clinical implications	62 nd annual conference of the National Academy of Medical Sciences, India	SMS Medical College, Jaipur
6.	Dr Navita Aggarwal	Pterion - Reappraisal of Morphology, Topography and Clinical Insights.	10 th National Conference of Society of Clinical Anatomists 26-16 May 2022.	Department of Anatomy, Govt. Doon Medical College
7.	Dr Navita Aggarwal	Impact of Self-Directed Learning in First Year Undergraduate Students	11 th National Conference of Society of Clinical Anatomists 2-4 Feb, 202.3	Department Of Anatomy, Dayanand Medical College & Hospital, Ludhiana
8.	Dr Apurba Patra	The prevalence, location, and dimensions of interthalamic adhesions and their clinical significance: corpse brain analysis	10 th National Conference of Society of Clinical Anatomists (SOCA-2022)	Government Doon Medical College, Dehradun, India



9.	Dr Apurba Patra	Reappraisal of the Variational Anatomy of the Vermiform Appendix and Their Possible Clinical Applicability: A Cadaveric Analysis.	11 th National Conference of Society of Clinical Anatomists (SOCA-2023)	Dayanand Medical College, Ludhiana, India
10.	Dr Vandana Tiwari (PI), Dr Priti Chaudhary (CO-PI)	Symmetric Bilateral Aberrant Obturator Artery – A Clinical Insight	UPASICON 2022	Subharti medical college meerut up

4. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1.	Dr Priti Chaudhary	Got Membership (as international member)		Anatomical Society of U.K.
2.	Dr Priti Chaudhary	STS Project report (as guide) got accepted under Excellent category		ICMR
3.	Dr Priti Chaudhary	Got the certificate on Successful completion of Basic course for Ethics Committee Members, Investigators, Clinical Research/Trial Members (April 24, 2022)	Online Basic course for Ethics Committee Members, Investigators, Clinical Research/Trial Members	My quality team
4.	Dr Priti Chaudhary	Got selected as Academic Editor (Editorial board member)		Journal PLOS ONE (PUBMED indexed)
5.	Dr Navita Aggarwal	Membership	Conference in Jaipur in Nov, 2022	National Academy of Medical Sciences
6.	Dr Apurba Patra	Executive member elected society of clinical anatomists	11 th National Conference of Society of Clinical Anatomists (SOCA-2023)	Dayanand Medical College, Ludhiana, India
7.	Dr Vandana Tiwari	DNB ANATOMY	DEGREE	NBE



5. 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 Priti Chaudhary, Additional Professor. As Guide for (STS Project)	“Developing an Integrated Teaching Atlas of Human Brain Anatomy using Cadaveric sections and annotated MRI images”	ICMR (Extramural)	Completed and REPORT ACCEPTED under Excellent category	40,000/-
Projects submitted					
1.	PI:Dr Paramdeep Singh, Co-PI:Dr Priti Chaudhary Additional Professor	Utilization of Point-of-Care Ultrasound Imaging for the Management of Patients with Critical care needs: Review of Cases and Evidence	Extramural (Indian National Science Academy)	Submitted	50,000/-
2.	PI:Dr Monika Kakkar Co-PI:Dr Priti Chaudhary 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.	SERB (Extramural)	Submitted	



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

- 1) **Patra A, Chaudhary P**, Kaur H. Variations in the Foramen Transversarium of Cervical Spine and Their Surgical Importance: An Osteological Study in Dried Cervical Vertebrae of North Indian Origin. *Turk Neurosurg.* 2022;32(1):36-42. doi: 10.5137/1019-5149.JTN.32701-20.3. PMID: 34169994. (PUBMED)
- 2) **Patra A**, Asghar A, **Chaudhary P**, Ravi KS. Identification of valid anatomical landmarks to locate and protect recurrent laryngeal nerve during thyroid surgery: a cadaveric study. *Surg Radiol Anat.* 2023 Jan;45(1):73-80. doi: 10.1007/s00276-022-03054-y. Epub 2022 Dec 2. PMID: 36459179. (PUBMED)
- 3) Goyal N, Joshi R, **Chaudhary P**, Kumar A, Shree B. Estimation of Age from Sternal End of Fourth Rib by its Morphological Variation: An Autopsy Study. *J Punjab Acad Forensic Med Toxicol* 2022 June; 22(1): 44-52.
- 4) Arora K, **Chaudhary P**, Kapila R, Singh R. Efficacy and durability of tricortical syndesmotomic screw fixation in ankle fractures: a clinical prospective study. *International Surgery Journal Int Surg J.* 2022 Nov; 9(11):1851-1856 <http://www.ijurgery.com>
- 5) Arora K, **Chaudhary P**, Kapila R, Singh R. Tennis elbow: a prospective comparative clinical study comparing the outcome of conservative of management local infiltrations of leucocyte enriched platelet-rich plasma and glucocorticoid. *International Surgery Journal Int Surg J.* 2022 Nov; 9(11):1788-1798 <http://www.ijurgery.com>
- 6) **Singal A, Chaudhary P**, Singh P. External occipital protuberance classification with special reference to spine type and its clinical implications. *Surg Radiol Anat* (accepted) (PUBMED) (IF 1.425)
- 7) Nigah S, **Patra A (corresponding author)**, Chumber S. Analysis of the Variations in the Colic Branching Pattern of the Superior Mesenteric Artery: A Cadaveric Study With Proposal to Modify Its Current Anatomical Classification. *Cureus.* 2022 May 15;14(5):e25025. doi: 10.7759/cureus.25025. PMID: 35719766; PMCID: PMC9199573. (PUBMED)
- 8) **Patra A**, Pushpa N B, Ravi KS, Singla R, Pasi R, Singh S. Reflections and insights on the Burden of COVID-19 on various facets of medical education, research, and training: An evaluation in the post pandemic era. *Natl J Clin Anat* 2022;11:113-7 [Scopus]
- 9) Pushpa N B, **Patra A**, Ravi KS. Will artificial intelligence assume a role in anatomy education?. *Natl J Clin Anat* 2022;11:65-7 [Scopus]
- 10) Basavanna PN, Basavanagowdappa H, Siddaiah A, **Patra A**, Srinivasan V, Janardhan SM, Pasi R, Ravi KS. Omicron and vaccine booster dose – an update. *Indian J Comm Health.* 2022;34(2):167-169. <https://doi.org/10.47203/IJCH.2022.v34i02.006> (SCOPUS)
- 11) **Patra A**, Ravi KS, Asghar A. Do virtual dissection tables add benefit to cadaver-based anatomy education? An evaluation. *Morphologie.* 2022 May 25:S1286-0115(22)00031-5. doi: 10.1016/j.morpho.2022.03.003. Epub ahead of print. PMID: 35643742. (PUBMED)
- 12) **Tiwari V**, Ali FB, **Patra A (corresponding author)**, Dhiman A, Sharma SK. The conundrum of olecranon aperture and its relation to the distal end of the humerus in a modern Indian population: An anatomical and surgical perspective. *Morphologie.* 2022 Sep 17:S1286-0115(22)00200-4. doi: 10.1016/j.morpho.2022.08.001. Epub ahead of print. PMID: 36127255. (PUBMED)
- 13) Asghar A, **Patra A (corresponding author)**, Ravi KS. The potential scope of a humanoid robot in anatomy education: a review of a unique proposal. *Surg Radiol Anat.* 2022 Sep 20. doi: 10.1007/s00276-022-03020-8. Epub ahead of print. PMID: 36127513. (PUBMED)
- 14) Asghar A, **Patra A**, Satish Ravi K, Tubbs RS, Kumar A, Naaz S. Bifid median nerve as an anatomical risk factor for carpal tunnel syndrome: A meta-analysis. *Clin Anat.* 2022 Oct;35(7):946-952. doi: 10.1002/ca.23900. Epub 2022 May 9. PMID: 35489054. (IF 2.41). (PUBMED)
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- 16) **Patra A**, Ravi KS, Asghar A. The Prevalence, Location, and Dimensions Of Interthalamic Adhesions and Their Clinical Significance: Corpse Brain Analysis. *Asian J Neurosurg.* 2022 Oct 28;17(4):600-605. doi: 10.1055/s-0042-1757435. PMID: 36570759; PMCID: PMC9771615. (PUBMED)
- 17) Asghar A, Naaz S, **Patra A**, Ravi KS, Khanal L. Effectiveness of 3D-printed models prepared from radiological data for anatomy education: A meta-analysis and trial sequential analysis of 22 randomized, controlled, crossover trials. *J Educ Health Promot.* 2022 Oct 31;11:353. doi: 10.4103/jehp.jehp_199_22. PMID: 36567994; (PUBMED)
- 18) **Patra A**, Pushpa NB, Ravi KS. Future of cadaveric dissection in anatomical science education. *Natl J Clin Anat*2022;11:123-5. [Scopus]
- 19) Goel S, **Patra A**, Malhotra V, Kaura S. A study to assess anxiety, stress and depression among private medical practitioners during COVID-19 pandemic: An observational study. *Indian J Physiol Pharmacol* 2022;66:139-45. [Scopus]
- 20) Pushpa NB, **Patra A**, Ravi KS. Professional advancement in medical institutions: Should research and publications be prioritized over teaching?. *Natl J Clin Anat* 2023;12:1-3 [Scopus]
- 21) Kaur H, **Patra A (Corresponding author)**, Singh M, Kalyan GS, Asghar A. The Reliability of Kaplan's Cardinal Line as a Potential Surface Marker for the Superficial Palmar Arch During Carpal Tunnel Release: An Anatomical Study with Surgical Perspective. *Cureus.* 2023 Feb 18;15(2):e35144. doi: 10.7759/cureus.35144. PMID: 36949995; PMCID: PMC10027112. (PUBMED)
- 22) **Patra A**, Ravi KS, Asghar A. Cadaveric dissection in Anatomical science education: Then and now. *Morphologie.* 2022 Dec 22: S1286-0115(22)00228-4. doi: 10.1016/j.morpho.2022.12.001. Epub ahead of print. PMID: 36566107. (PUBMED)
- 23) Asghar A, Priya A, **Patra A (Corresponding author)**, Gupta P, Kumar A. Moynihan's hump of the right hepatic artery in Calot's triangle: a systematic review and meta-analysis of its incidence and surgical importance. *Surg Radiol Anat.* 2023;45(5):643-651. doi: 10.1007/s00276-023-03125-8. Epub 2023 Mar 17. PMID: 36932210. (PUBMED)
- 24) **Singal A**, Bansal A. Googling "Anatomy dissection": Pre-pandemic, pandemic, and current scenario. *Morphologie.* 2023 Feb 11: S1286-0115(23)00003-6. doi: 10.1016/j.morpho.2023.01.003. Epub ahead of print. PMID: 36781317.
- 25) **Singal A**. Cadaveric Temporal Bone Dissection and Alternatives in Otolaryngology Training. *Acta Scientific Otolaryngol* 2023; 5(3):44-45
- 26) **Singal A**, Gupta T, Aggarwal A, Sahni D. Osseous deficiencies, pockets, superfluous lateral border thickening in scapula: a rare occurrence. *Surg Radiol Anat.* 2022 Apr;44(4):621-625. doi: 10.1007/s00276-022-02920-z. Epub 2022 Mar 9. PMID: 35266029. (IF 1.425)
- 27) **Singal A**. Third Wave of COVID-19 Pandemic: Three "Sacrificed" Batches of Anatomy Students. *Acta Scientific Otolaryngol* 2022; 4(9):27-28.
- 28) Potaliya P, **Choudhary A**, Ghatak S. "Psoas minor muscle a topographic and morphometric cadaveric study with its clinical insight." *IJMSAR-Oct-2022*; 5(5): 38-42.
- 29) Lingidi JL, Dash A, Muhamed M, **Choudhary A** et al. To determine the relationship between chemerin and melatonin levels in type 2 diabetes mellitus obese subjects. *JCDR-2022*: 13(5); 2470-79.
- 30) Dash A, Lingidi JL, **Choudhary A** et al. Determination of random blood sugar, alkaline phosphatase and zinc levels in individuals with leprosy. *European Journal of Molecular & Clinical Medicine.* 2022; 9(7): 2048-56.

7. Book/ Chapter:

(a) Book:

Choudhary P, Peer S, Manaktala I, Singh P. **Radiological and Cadaveric (RadioCad) Anatomy-** An Integrated Teaching Atlas of Human Brain Anatomy using Cadaveric sections and annotated MRI images. December 2022.

**(b) Book Chapter:**

Patra A. Impact of Covid-19 on medical education in India and the possible course of action to deal with this ordeal. In book: Clinics in COVID-19. Century Publishers. 2023.pp 81-89.

(c) Edited two chapters in book:

- i. Pushpalatha K, Bhatt D, **Chaudhary P.** Respiratory System (Chapter 14) in Inderbir Singh's text book of Human Histology, 10th Edition. JAYPEE Brothers Medical Publisher, New Delhi/ London; 2022.
- ii. Pushpalatha K, Bhatt D, **Chaudhary P.** Hepatobiliary System and Pancreas (Chapter 17) in Inderbir Singh's text book of Human Histology, 10th Edition. JAYPEE Brothers Medical Publisher, New Delhi/ London; 2022.

8. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

(According to Google Scholar database)

Dr Priti Chaudhary

- (a) Research papers- **6**
- (b) Book/Book chapter- **01** Book, Edited **two** chapters in book
- (c) i10 index*- **12**
- (d) H index*-**11**

Dr Navita Aggarwal

- (a) Research papers- NIL
- (b) Book/Book chapter-NIL
- (c) i10 index*-3
- (d) H index*- 4

Dr Apurba Patra

- (a) Research papers- 19
- (b) Book/Book chapter- 1
- (c) i10 index*: 10
- (d) H index*: 8

Dr Anjali Singal

- (a) Research papers- **6**
- (b) Book/Book chapter- NIL
- (c) i10 index*- **11**
- (d) H index*-**11**

Dr Vandana Tiwari

- (a) Research papers- **1**
- (b) Book/Book chapter- NIL
- (c) i10 index*
- (d) H index* 2

Dr Anju Choudhary

- (a) Research papers- **3**
- (b) Book/Book chapter- NIL
- (c) i10 index*- 2
- (d) H index*- 4



9. Other important Highlights

- i. All the faculty members took proper training of Anatomage (Virtual Dissection table) and now using this tool for teaching & learning of MBBS & B.Sc. Nursing students.
- ii. Conducted faculty training session on Anatomage and 3D atlas first time in AIIMS Bathinda.

10. Number of Conference/ Workshop Organized*

- i. Organized SCAMPER-22 (Quiz, Model competition, Anatomy art on live canvas) for MBBS 1st Prof students from 10th-13th September 2022.
- ii. Celebrated & organized World Anatomy Day and organized chart, model, specimen making and making of sketches of great ancient anatomist's competitions for the first year MBBS Students batch 2021-2022 on 15th Oct, 2022.
- iii. Organized inauguration & demonstration of Anatomage and Anatomy Atlas software in the department.

11. Number of Thesis Supervised MD/MS*

One P. G. student joined in 23rd Feb, 2022 (remained in department till August 2022- Supervised the plan of One postgraduate student.

12. Any other achievement

Dr Priti Chaudhary

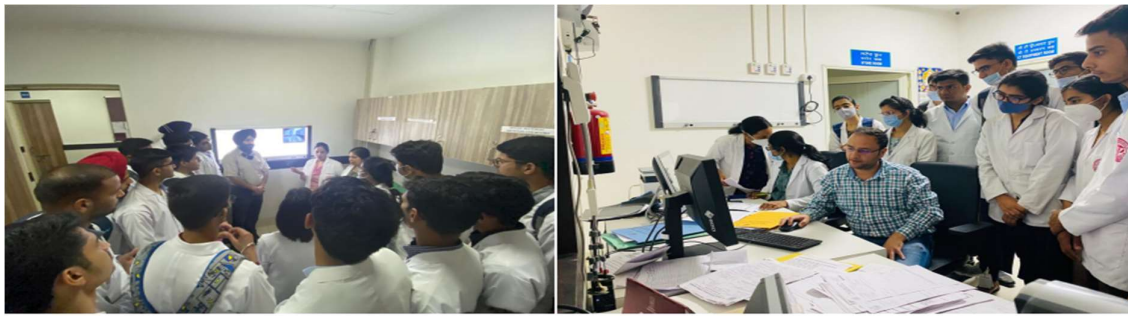
- (a) Academic editor (Editorial board member) of Journal PLOS ONE (PUBMED indexed) and handling research papers as assigned Academic Editor till date.
- (b) Became the member of National Advisory board of "Inderbir Singh's text book of Human Histology" 10th edition.
- (c) Became the member of National Advisory board of "Inderbir Singh's text book of Human Embryology", 13th edition.
- (d) Prepared & executed Orientation program of MBBS Batch 2022 and organized white coat ceremony as organizing committee member.
- (e) Organized Horizontal integration with biochemistry department & Early clinical exposure for MBBS first prof students in association with Radiology department.
- (f) Organized Ethical Committee meeting on 19-7-2022, 3-10-2022 and 3-3-2023 and did the needful as member secretary, IEC, AIIMS Bathinda.
- (g) Organized Vigilance awareness week with different competitions like quiz, poster & slogan, Rangoli, singing & dancing, skit related the theme of the week; as chief Vigilance officer.

Dr Apurba Patra

- (a) Assistant Editor, National Journal of Clinical Anatomy
- (b) One research paper (co-authored) entitled "Histopathological analysis of the effect of PIH on fetal kidneys using special stains and IHC" received the gold medal in BMSECON 2022, 3rd International E-Conference AVMC &H India held from 17th to 19th November 2022.

Dr Anjali Singal

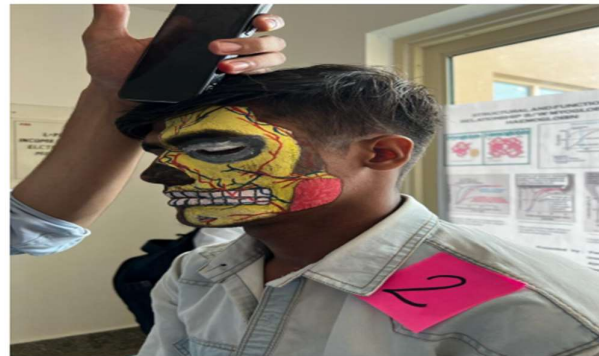
- (a) Associate editor in Surgical and Radiological Anatomy (Impact factor 1.4)



ANATOMY/01: EARLY CLINICAL EXPOSURE FOR MBBS 1st PROF STUDENTS



ANATOMY/02: SCAMPER-22 (QUIZ, MODEL COMPETITION, ANATOMY



ART ON LIVE CANVAS) FOR MBBS 1ST PROF STUDENTS



ANATOMY/03: GLIMPSES OF WORLD ANATOMY DAY (OCTOBER 2022)



ANATOMY/04: INAUGURATION AND DEMONSTRATION OF ANATOMAGE & ANATOMY ATLAS SOFTWARE IN THE DEPARTMENT



ANATOMY/05: FACULTY TRAINING SESSION ON ANATOMAGE AND 3D ATLAS



ANATOMY/06: HORIZONTAL INTEGRATION WITH BIOCHEMISTRY DEPARTMENT

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BATHINDA
celebrating
VIGILANCE AWARENESS WEEK
 From 31st October to 5th November 2022
 with the theme of
भ्रष्टाचार मुक्त भारत - विकसित भारत
 (Corruption free India for a Developed Nation)

EVENTS ON VIGILANCE AWARENESS WEEK

DATE	ACTIVITY	INCHARGE
31/10/22	POSTER COMPETITION	DR APURBA
31/10/22	PLEDGE FOR NONFACULTY STAFF	DR SAKET, DR SOUMYA
1/11/22	E-pledge FACULTY	DR PRITI CHAUDHARY/ DR MADHUR
2/11/22	QUIZ COMPETITION	DR SAPNA, DR ANJALI
3/11/22	AWARENESS LECTURE	DR JATINDER & DR APURBA
4/11/22	SKIT COMPETITION	DR SAKET
WHENEVER FEASIBLE	COMMUNITY AWARENESS	DR MADHUR & DR SOUMYA
5/11/22	TO BE SCHEDULED	

ਨਿਡਰ ਬਣੋ... ਬ੍ਰਿਸ਼ਟਾਚਾਰ ਨੂੰ ਦੂਰ ਕਰੋ...



ANATOMY/07: VIGILANCE AWARENESS WEEK WITH DIFFERENT COMPETITIONS LIKE QUIZ, POSTERS & SLOGAN, RANGOLI, SKIT RELATED THE THEME OF THE WEEK



DEPARTMENT OF BIOCHEMISTRY

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

1. Faculty Details:

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

2. Brief Introduction of the department:

- (a) The Department envisions state of art facilities for patient care, research and medical education.
- (b) **Patient Care-** 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. For indoor and triage patient's department is running 24x7 STAT lab with all investigations for critical care of patients.
- (c) **Future plans:** Department is going to start with newborn screening and antenatal screening besides various ELISA based investigations.
- (d) Department is processing for NABL accreditation for various labs
- (e) **Research:** Department has three extramural projects funded by ICMR and SERB of Rs. PhD Programme has been started and two PhD scholars have been enrolled under that.
- (f) **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.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1.	Dr Gitanjali	Prevention of metabolic syndrome- The role of genetic counselling	7 TH Annual International Hybrid Conference BGCI- 1-3 rd July 2022	Board of Genetic Council of India
2.	Dr Sanjay	Preconditioning with PDE5A Inhibitors Enhance Stem Cell Survival against Ischemia/Reperfusion Injury through Novel STAT3/PKG-1 Regulation	Oral Presentation	Biomaterials, Regenerative Medicine and Devices, IIT Guwahati.
		Expression Profiling of MicroRNA from Various Stages of Breast Cancer	Oral Presentation	Biomaterials, Regenerative Medicine and



		Patients as Novel Diagnostic and Prognostic Biomarker for Early Detection of Cancer		Devices, IIT Guwahati.
		Circulating miRNA Panel Profiling for The Early Detection of Breast Cancer	Oral Presentation	Biomaterials, Regenerative Medicine and Devices, IIT Guwahati.
3.	Dr Himanshu Sharma	Frequency of Y chromosome microdeletion and its correlation with spermatogenesis defect in north India infertile males”	American society of Human genetics held in Los-Angeles USA from 25-29 October 2023.	American Society of Human Genetics
National conferences				
1.	Dr Gitanjali	1) Impact of metabolic syndrome on immune system- the role of adipose tissue-	48 th Annual Conference of Indian Immunology Society 8-9 th July 2022 at BHU	BHU
		2) Second Prize in e-poster competition in Hepatitis Awareness Week at -Non invasive markers and role of miRNA in liver fibrosis	Held at AIIMS Bathinda on 3 rd August	Department of Medicine AIIMS Bathinda
		3) Role of miRNA in ovarian cancer- Anaemia in hypothyroidism in CME PAMCON 6 th November 2022	CME PAMCON 6 th November 2022	Association of Pathologists and Microbiologists
		4) Screening of newborn for inborn errors of metabolism -A practical approach-	CME held on 3 rd Dec 2022 at GMC Patiala	Department of Biochemistry, GMC Patiala
		5) Newborn screening- Biochemist's view-	CME Newborn screening -the road ahead on 7 th Dec 2022	Department of Biochemistry, AIIMS Bathinda
		6) Ensuring total quality management of a newly established clinical Biochemistry Laboratory	2 nd National PG Update cum CME 11-13 th March 2023	Department of Biochemistry, GMC Chandigarh
2.	Dr Rajani	Lecture delivered on Biomarkers of Sepsis	7th-8th January 2023	ACCLMP-KOLKATA



4. FACULTY ACHIEVEMENTS –AWARDS, HONOURS

S.No	Name of faculty	Award/honour	Event	Organised by
1.	Dr Himanshu Sharma	International travel grant from DST-SERB		DST-SERB
		Guest of honour	International pharmacy week 19 th September 2022.	School of Pharmacy, LPU
2.	Dr Rajani	Nominated for the member of MNAMS	MNAMS	National Academy of Medical Sciences

5. 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. Sanjay Kumar	To evoke Transplanted Stem cell Survival against Ischemic/Reperfusion injury through Pharmacological Preconditioning with Phosphodiesterase Inhibitors	Science and Engineering Research Board- Department of Science & Technology (SERB-DST) Government of India	ongoing	Rs 40,28,640/-
		Expression profiling of MicroRNA in blood samples from various stages of cancer patients as novel diagnostic and prognostic biomarker for early detection of Cancer	Haryana State Council for Science and Technology (HSCSIT), Department of Science & Technology	ongoing	Rs. 17,00,000/-
2.	Dr Himanshu Sharma	Extracellular vesicle mediated induction in pro-inflammatory response leading to pulmonary endothelial dysfunction in cystic fibrosis patients.	ICMR	Ongoing	30 lacs
3.	Dr Archana Nimesh	To evaluate the potential of 'Jigsaw technique' as a learning tool in biochemistry for the medical students.	NA	Ongoing	NA(Nil)
		To evaluate the potential of concept	NA	Ongoing	NA(Nil)



		mapping as a learning tool in biochemistry for medical students.			
Projects submitted					
1.	Dr Gitanjali	Prediction of the risk associated with metabolic syndrome using data visualization viz artificial intelligence. Provisionally accepted for further processing	SERB		Rs/- 5185996
		Expression of exosomal miRNA and its plausible role in aberrant proteomics responsible for tumor invasiveness in carcinoma ovary. Provisionally accepted for further processing	SERB		Rs/- 2738320
2.	Dr. Sanjay Kumar	Pharmacological Preconditioned stem cell transplantation as therapeutic tool for cardiomyopathy in leukemia patients undergone chemotherapy/radiot herapy	Lady Tata Memorial Trust	Submitted	80,00,000
		Therapeutic potential of CRISPR-Cas regulated expression of STAT3 in transplanted mesenchymal stem cell against myocardial ischemic/reperfusion injury	DBT	Submitted	83,16,600
		CRISPR-Cas9 based targeting of mir-210 to understand the etiology of cisplatin resistance in TNBC cells for targeted therapy	DBT	Submitted	85,95,880
		Therapeutic potential of tadalafil against ischemia /reperfusion injury model of cardiovascular disease	DBT	Submitted	66,79,840



		Exosomal microRNA biomarker as non-invasive tool for diagnosis of breast cancer of elucidating the underlying molecular mechanism	DBT	Submitted	67,18,240
3.	Dr Himanshu Sharma	Designing, Synthesis and Development of Novel CFTR Modulators for the Treatment of Cystic Fibrosis Patients: Therapeutic Approach for CF Patients with Novel and Rare Mutations	DST-SERB	Submitted	40 lacs

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

(a) For Book/ Chapter:

- i. **Kumar S. Stem Cell & Regenerative Medicine** as an **Editor** of the Book. 1st ed. 2022 (**SPRINGER**, under review)
- ii. **Sharma H**, Goyal G, Shukla K. Significance of Biochemical parameters in COVID-19 patients; Book chapter pages 30-36 published in Clinics in COVID Pandemic; 2022 Century publication ISBN No. 978-81-956189

(a) For Journal:

- i. Kalsi P, Aggarwal N, Shukla K, Sharma J, Goyal G, Sharma H. SARA-COV2 associated impact on reproductive health: A Global Perspective. (Communicated in reproductive Science)
- ii. Singh K, Gitanjali, Kaur G, Singh H, Kumar U, Sharma S, Singh J. Comparative study of phospholipid content in breast milk of mothers at preterm and term babies. *Int J Clin Biochem Res* 2022;9(2):160-162
- iii. Mehta S, Singh J, Sethi A, et al. Macronutrient Composition of Preterm-Mother's Milk: A Prospective Observational Study at a Tertiary Level Special New-Born Care Unit in North India. *Journal of Neonatology*. 2022;36(4):280-287.
- iv. Sharma S, Gitanjali, Soin D, Singh H, Singh K. Evaluation of serum protein electrophoresis in patients with renal disorders. *Int J Clin Biochem Res* 2022;9(4):295-300
- v. Kumar S (First & Corresponding author), Yadav V, Sharma N, Sethi A, HypoxamiR-210-3p regulates mesenchymal stem cells proliferation via P53 & Akt. *Molecular & Cellular Biology*. 2023. (Under Review)
- vi. Kumar S (First & Corresponding author), Yadav V Novel Heart Specific Conditional STAT3 Knockout Abolish Cardio protection against Ischemic/Reperfusion Injury upon Tadalafil Treatment. *The American Journal of cardiology*. 2022 Dec. (Under Review)
- vii. Niwas R, Chakrabarti S, Kumawat R, Sen MK, Gupta A, Bhattacharya D, Gupta NK, Suri JC. Clinico-pathological Profile of Lung Cancer Patients in a Tertiary Care Hospital, India: A Prospective, Cross-sectional Study. *The Indian Journal of Chest Diseases and Allied Sciences* (2022): 10.5005/jp-journals-11007-0002. Volume 64 ; Issue 2
- viii. Ahirwar AK, Takhelmayum R, Sakarde A, Rathod BD, Jha PK, Kumawat R, Gopal N. The study of serum hsCRP, ferritin, IL-6 and plasma D-dimer in COVID-19: a retrospective study. *Horm Mol Biol Clin Investig*. 2022 Mar 31;43(3):337-344. doi: 10.1515/hmbci-2021-0088. PMID: 35357792.

ix.Brizawasi A, Ahirwar AK, Prabhat, Kaim K, Ahirwar P, Kumawat R, Prasad J. COVID-19: a viewpoint from hepatic perspective. Horm Mol Biol Clin Investig. 2022 Oct 4;44(1):97-103. doi: 10.1515/hmbci-2022-0026. PMID: 36190156.

i. Individual faculty wise Research Papers/Book Chapters/i-index/h-index etc.

Name of faculty member	Research papers	Book/Book chapter	i10 index*	H index*
Dr Gitanjali	9	2	6	8
Dr Himanshu			9	9
Dr Rajani			2	4
Dr Archana			6	5



Biochemistry/01



Biochemistry/02



Biochemistry/03



BURNS & PLASTIC SURGERY

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

1. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr. M Altaf Mir	Associate Professor	27 July 2021
2.	Dr. Rajesh K Maurya	Assistant Professor	02 August 2021

2. Brief Introduction of the department:

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. Then Dr. Rajesh K Maurya joined as Assistant Professor on 2nd of August 2021.

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 deformity of anatomical body parts.

Micro-vascular tissue transfers like free Flaps; repair of nerve and vessel injuries, Brachial plexus surgery and lymphedema surgery is being routinely done. Corrective surgeries and rehabilitation of post burn deformity, post burn scarring and limb deformity is done. Pediatric Congenital deformity like syndactyly, polydactyly, hypospadias, cleft lip-palate, club hand is being corrected. Aesthetic Surgeries like otoplasty, rhinoplasty, abdominoplasty, breast reduction, gynecomastia correction, and scar revision are being done. Minor surgical procedure room has been set up in the outpatient clinic and in Burns & Plastic Surgery Ward. The Department is planning to establish micro vascular training lab for teaching and training of residents and establishment of dedicated 20 bedded Burn unit with modern facilities with HDU and dedicated Burn OT for care of Acute Burn patients in near future.

The Department has already approval for admission for One M.Ch. superspecialist seat per session (semester) and post-doctoral certificate course (PDCC) two seats per year. The department is planning to start short (3 month) and long (6 month) observership courses in Hand and Brachial Plexus surgery, and Maxillofacial surgery in near future.

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

Number of Papers presented in National Conference - 01

S.No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr M Altaf Mir Associate Professor	Immediate Versus Late Flap Coverage for Traumatic Soft Tissue Defects of Lower Extremity: A Prospective and Comparative Observational Study	16 th Annual Conference North Zone association of Plastic Surgeons of India. 18 th -10 th April 2022.	North Zone association of Plastic Surgeons of India at GGSMCH Faridkot
2.	Dr M Altaf Mir Associate Professor	Covid-19 Pandemic Impact on Clinical Load Of Plastic and Reconstructive Surgery in Tertiary	16 th Annual Conference North Zone association of Plastic Surgeons of	North Zone association of Plastic Surgeons of India at



		Care Hospital of North India: A Retrospective Comparative Analysis	India. 18 th -10 th April 2022.	GGSMCH Faridkot
3.	Dr M Altaf Mir Associate Professor	Surgical Site Infections	24 th Annual National conference of Indian Society of Wound Management - Woundcon 2022. 5-7 th November 2022	Indian Society of Wound Management "Woundcon 2022" at AIIMS Bathinda
4.	Dr M Altaf Mir Associate Professor	Nutrition in Burn Injuries	24 th Annual National conference of Indian Society of Wound Management - Woundcon 2022. 5-7 th November 2022	Indian Society of Wound Management "Woundcon 2022" at AIIMS Bathinda
5.	Dr M Altaf Mir Associate Professor	Special Considerations in Nutritional Management of Burn Patients	15 th Annual National conference of Society of Wound Care and Research -Woundcarecon 2023. 18-19 th February 2023	Society of Wound Care and Research "Woundcarecon 2023" at JNMCH, AMU
6.	Dr. Rajesh K Maurya Assistant Professor	Flap coverage after fournier gangrene wound optimization	24 th Annual National conference of Indian Society of Wound Management - Woundcon 2022 5-7 th November 2022	Indian Society of Wound Management "Woundcon 2022" at AIIMS Bathinda

4. FACULTY ACHIEVEMENTS –AWARDS, HONOURS ETC

S.No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Rajesh K Maurya Assistant Professor	Award of appreciation	12 th Plastic Surgery Day. 15 th July 2022	Burns and Plastic Surgery, AIIMS Bathinda

S.No	Name & designation of faculty	Recognition/ Membership	Registered professional organization	Date of Recognition/ Membership
1	Dr M Altaf Mir Associate Professor	Life Member	North Zone Association of Plastic Surgeons of India (NZAPSI)	10 th April 2022

5. Papers Published:

- (a) **Mir MA***, Chattopadhyay D, Vathulya M, Mago V, **Maurya RK**, Kapoor A, *et al.* The prospective study of change of perception of postgraduate students on objective structured clinical examination in burns and plastic surgery. J Edu Health Promote 2022; 11:144. <https://pubmed.ncbi.nlm.nih.gov/35677265>



- (b) **Maurya R, Mir M***, Singh P. Management of Ulnar Nerve Tuberculoma: A Challenge to Plastic Surgeons. Cureus , 2022 , 14(4):
<https://pubmed.ncbi.nlm.nih.gov/35530887>
- (c) Patil V, Praveen AJ, **Mir MA***, Katiyar A, Sinha SK, Tambotra A. Salvage of injured lower limb and improvement of quality of life of a 1½-year-old child. Journal of Indian Association of Pediatric Surgeons. 2022 Sep;27(5):613.
<https://europepmc.org/article/pmc/9757787>
- (d) **Mir MA***, Mahakalkar SS, Rashim M. Modified Combined Physiological and Debulking Procedure for Lower Limb Lymphedema to Achieve Both Immediate and Sustained Results in Lymphedema. The international journal of lower extremity wounds. 2023 Mar;22(1):194-9. <https://pubmed.ncbi.nlm.nih.gov/33881960>

S.No	Parameter	Dr. Altaf Mir (Associate Professor)	Dr. Rajesh K Maurya (Assistant Professor)
1.	Research papers	55	14
2.	Book chapter	4	1
3.	Books	1	-
4.	Number of citations	174	6
5.	i10 index	6	-
6.	h-index	8	2

6. Other activities performed by the Department:

- (e) **Number of Conference Organized – 01 National** (24th Annual National conference of Indian Society of Wound Management -Woundcon 2022. 5-7th November 2022)
- (f) **Number of workshops Organized – 01 National** (on the occasion of 24th Annual National conference of Indian Society of Wound Management -Woundcon 2022. 5-7th November 2022)

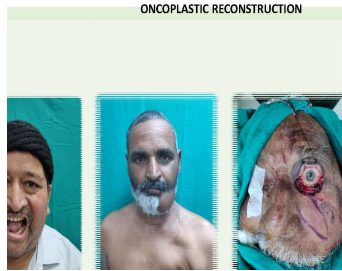
7. Other important Highlights with relevant photographs of the department:

NOTABLE SURGERIES BY DEPARTMENT OF BURNS & PLASTIC SURGERIES

LYMPHEDEMA SURGERY

BURNS & PLASTIC SURGERY/01

BURNS & PLASTIC SURGERY/02



FREE FLAP PMMC FLAP LID RECONSTRUCTION WITH FLAP

BURNS & PLASTIC SURGERY/03



Foot management/4



Hand injury/5



**SIGNIFICANT EVENT
DEPARTMENT OF BURNS & PLASTIC SURGERY**

DEPARTMENT OF BURNS AND PLASTIC SURGERY ORGANIZED A CME & WORKSHOP ON WOUND CARE ON :
7th NOVEMBER 2022 (PRESIDENT ASSOCIATION OF PLASTIC SURGEON OF INDIA ALSO ATTENDED)

BURNS & PLASTIC SURGERY/06

**SIGNIFICANT EVENT
DEPARTMENT OF BURNS & PLASTIC SURGERY**

DEPARTMENT OF BURNS AND PLASTIC SURGERY ORGANIZED A CME & WORKSHOP ON WOUND CARE ON :
7th NOVEMBER 2022

BURNS & PLASTIC SURGERY/07



DEPARTMENT OF CARDIOLOGY

Name of the Department	Cardiology
Head of the Department	Dr Bhupinder Singh

8. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1	Dr Bhupinder Singh	Additional Professor	1 st April 2022
2	Dr Suraj Kumar	Assistant Professor	16 th August 2021

9. Brief Introduction of the department:

The department of cardiology is fully function with the availability of state-of-the art equipment such as 4-D echocardiography machine, high end cath-lab system (in the process of installation) etc. and the hands which can operate these machines.

We work on the "PATIENT FIRST POLICY" where-in the needs of the patients are given the priority. We focus on delivering the appropriate and ethical services to the patients visiting our department. We are providing all types of cardiac services as follows:

- i. Non-invasive cardiology such as electrocardiogram, transthoracic echocardiogram, trans-esophageal echocardiogram,
- ii. Out-patient services such as general OPD, special clinics etc. and
- iii. In-patient services such as general ward (15 bedded) and coronary care unit (20 bedded).

We are actively involved in the undergraduate and post graduate teaching both bench side (through seminars, lectures, etc.) and bed side (such as clinical patient-based approach of the cardiac diseases). The future course of action is to start the DM-cardiology course from the July session 2023.

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

Number of Papers presented in National Conference* 1

S.No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr. Bhupinder Singh, Additional Prof and Head	HF Conclave	Heart Failure Conclave 2022	Northern Cardiology Network
2.	Dr. Bhupinder Singh, Additional Prof and Head	Impact of Nurse-led Telemedicine in cardiovascular diseases.	CSICON, 2022	CSI, Chennai
3.	Dr. Suraj Kumar, Assistant Professor	Ambulatory Blood Pressure	MAPICON 2022	API-Malwa Branch

4. Faculty achievements –awards, honours etc

S.No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Bhupinder Singh, Additional Prof and Head	1st prize in oral abstract presentation	CSICON, 2022	CSI, Chennai
2.	Dr. Bhupinder Singh, Additional Prof and Head	Lifetime membership	ICC	ICC, Bangaluru
3.	Dr. Suraj Kumar, Assistant Professor	Lifetime membership	ICC	ICC, Bangaluru



5. Research activities undertaken in the department:

S.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc	Status (ongoing/completed)	Budget
Projects sanctioned					
1.	Dr. Bhupinder Singh, Additional Prof and Head	Yoga-Care	Extarmural	Ongoing	
2.	Dr. Bhupinder Singh, Additional Prof and Head	TOPSPIN	Extarmural	Ongoing	

6. Papers and Books/chapters published by the faculty:

- (a) Mohan B, Singh S, Tandon R, Batta A, Singal G, Singh G, **Singh B**, Goyal A, Chhabra ST, Naved K, Jain A, Wander GS. Clinical profile of patients with cardiac amyloidosis in India. *Indian Heart J.* 2023 Jan-Feb;75(1):73-76.
- (b) Mohan B, Singal G, Singh AK, **Singh B**, Singla A, Hatwal J, Uppal A, Tandon R, Singh G, Goyal A, Chhabra ST, Aslam N, Roy A, Wander GS, Batta A. Prevalence and predictors of lower extremity atherosclerotic disease amongst high-risk patients using ankle brachial index. *Indian Heart J.* 2023 May-Jun;75(3):197-202.
- (c) Mohan B, **Singh B**, Singh K, Naik N, Roy A, Goyal A, Singh G, Aggarwal S, Saini A, Tandon R, Chhabra ST, Aslam N, Wander GS, Prabhakaran D. Impact of a nurse-led teleconsultation strategy for cardiovascular disease management during COVID-19 pandemic in India: a pyramid model feasibility study. *BMJ Open.* 2022 Jul 7;12(7):e056408.
- (d) Gupta S, Gupta M, Kashyap JR, **Kumar S**. Early cardiovascular involvement in dengue fever: A prospective study with two-dimensional speckle tracking echocardiography. *Trop. Dr.* 2022, 52, 285–292.
- (e) **Kumar S**, Wander GS. Current Status of Exercise Stress Testing Vis-à-vis Noninvasive Imaging in Stable Coronary Artery Disease. 1st ed. CSI Cardiology update 2022. Doi: 10.5005/jp/books/18619_50.
- (f) **Singh B**, Mittal A, Goyal A, Singh G, Sondh M, Chauhan R, Tandon R, Chhabra ST, Aslam N, Mohan B, Wander GS. Effect of environment and season on acute decompensated heart failure: Data from low-to middle-income country. *Indian Heart J.* 2022 Sep-Oct;74(5):406-413.
- (g) **Singh B**, Dhooria HP, Mohan B, Goyal A, Singh G, Singh P, Goyal M, Luthra S, Chhabra ST, Tandon R, Aslam N, Wander GS. The incidence and clinical impact of thrombotic events in hospitalized COVID-2019 illness. *Int Angiol.* 2022 Aug;41(4):356-363.
- (h) Batta A, Gupta AK, Singal G, Mohan B, Kumar S, Jaiswal B, Hatwal J, Tandon R, Singh G, Goyal A, **Singh B**, Mittal N, Chhabra ST, Aslam N, Wander GS. Autoimmune polyendocrine syndrome II presenting paradoxically as Takotsubo cardiomyopathy: a case report and reappraisal of pathophysiology. *Egypt Heart J.* 2022 Dec 13;74(1):82.
- (i) **Singh B**, Gupta RK, Tandon R, Soni A, Kaur H, Mohan B, Wander GS. Prolapsing giant right atrial myxoma in a young male presenting as pulmonary embolism. *Echocardiography.* 2022 Apr;39(4):645-646.

7. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Faculty Name	Total citations	h- Index	i10-Index
Dr Bhupinder Singh	520	13	16
Dr Suraj Kumar	60	5	1

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

- a. Health Awareness Campaign on “World Heart Day- 2022” (Photo 1)
- b. YOGA classes for the HEART FAILURE patients (Photo 2)
- c. Nursing training conducted towards improving patient care:
 - i. Heart Failure Nursing online-lecture by DR Sandeep Seth (Professor cardiology, AIIMS, New Delhi) (Photo 3)
 - ii. Organised a lecture on Contrast-induced (Photo 4) nephropathy for nursing officers.
 - iii. Non-invasive ventilator care (Photo 5)
- d. Heart Failure Vaccination program started for heart failure.
- e. Number of Thesis Supervised MD/MS*
One thesis supervised by Dr Suraj Kumar as Co-guide for the post graduate candidate under department of medicine.
- f. Any other achievement
 - i. **Dr Bhupinder Singh:** 1st prize in oral abstract presentation at CSI national conference 2022 held at Chennai.



Health Awareness Campaign on “World Heart Day- 2022



Yoga classes for the heart failure patients



DEPARTMENT OF CARDIO-THORACIC AND VASCULAR SURGERY

Name of the Department	Cardiothoracic and vascular Surgery
Head of the Department	Dr. Rajiv Kumar

1. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr. Rajiv Kumar	Professor and HOD	08 December,2022
2.	Dr. Klein Dantis	Assistant Professor	13 May,2022
3.	Dr. Rahul Sharma	Assistant Professor	28 May,2022

2. Brief Introduction of the department:

The Department at present is offering OPD services as well as Cardiac, Thoracic and Vascular surgery procedures. The Department will offer complex Cardiac, Thoracic and Vascular procedures with gratifying results at par with the current international standards. The main focus of interest is to perform complex aortic reconstructive surgeries, thoracic organ transplantation, uniportal video-assisted as well as robotic-assisted uniportal surgeries with excellent outcomes.

A. SERVICES

(a) Out patient Department (OPD)

The majority of the patients are referrals from adjoining areas of Punjab, Haryana and other states. The complex cardiac problems, unresolved vascular pathologies, lung sequale secondary to tuberculosis, malignancy, interstitial disease and chest deformities constitute most patients coming to the OPD.

(b) Services offered by the Department

The department offers services through its experienced experts in treating people with all disorders affecting the heart, aorta, lung, mediastinum, blood vessel, trachea, and chest wall.

(c) Current areas of focused expertise

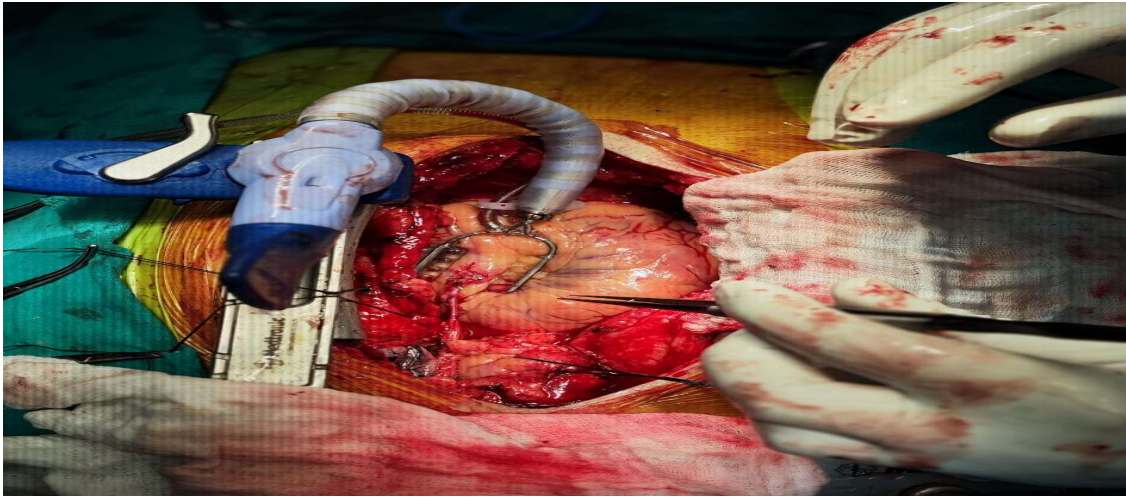
Adult and Pediatric Cardiac Surgery
 Thoracic and vascular surgery
 Department is eager to start M.Ch courses as well as B.Sc perfusion in the future.

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

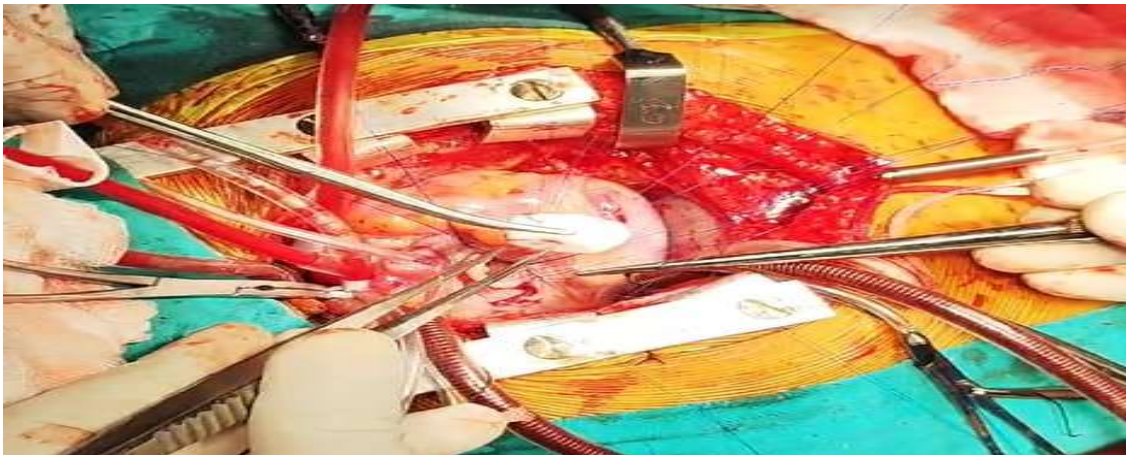
Number of Papers presented in National Conference*

Number of Papers presented in International Conference*

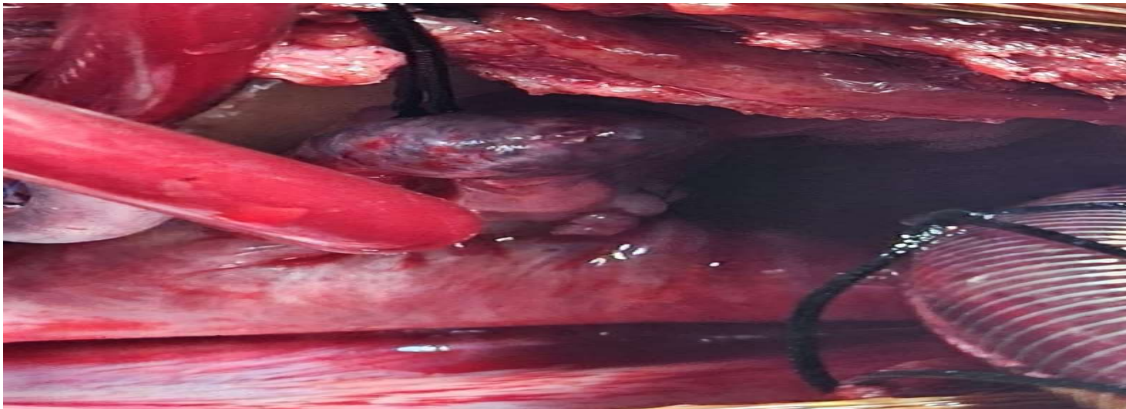
S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1.	Dr. Klein Dantis	Refractory pancreatic effusion-sequelas of porous diaphragm syndrome	ESTS society of thoracic surgery	ESTS, London
National conferences				
2.	Dr. Klein Dantis	Digital drainage/suction for chest tube:when and how	Insidious society of thoracic surgery	ISTS ,New Delhi



Beating Heart CABG



Repair of TOF (double outlet right ventricle)



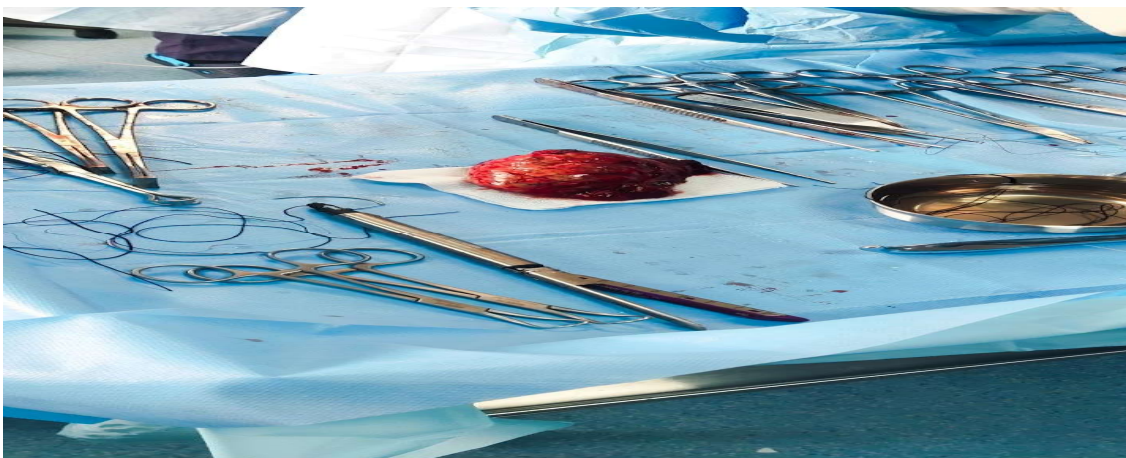
Right Thoracotomy



Minimal Invasive ASD Closure



VSD Closure



Right upper lobectomy



Heart Lung machine



Cardiac tumor left atrial myxoma



Pectus Excavatum



Department of Community and Family Medicine

Name of the Department	Community and Family Medicine
Head of the Department	Dr Rakesh Kakkar

1. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1	Dr Rakesh Kakkar	Professor and Head	28-12-2021
2	Dr Ramnika Aggarwal	Associate Professor	22-08-2019
3	Dr Ankita Kankaria	Assistant Professor	20-08-2019
4	Dr Madhur Verma	Assistant Professor	14-08-2019
5	Dr Soumya Swaroop Sahoo	Assistant Professor	20-08-2019

2. Brief Introduction of the department:

- (a) **Vision-** The department aspires to develop an Integrated Resource Centre for patient care, teaching, training and high-quality research with a focus on preventive, promotive and curative health care. It envisages to develop a policy framework based on evidence-based medicine and research to address key public health issues or diseases.
- (b) **Service Delivery-** Through our field practice areas and Rural and Urban Health Training Centres, at Badal and Lal Singh Basti respectively, we provide holistic patient care, case-based learning, family adoption, curriculum teaching, training of undergraduate students. We are providing both paediatric and adult immunization services at the Immunization Clinic OPD. We are in the process of starting Yellow Fever vaccination services at the Immunization Clinic.
- (c) **Academics and Research-** On the research front, we intend to expand the scope of epidemiology from etiologic research to include multilevel analysis, intervention evaluation, implementation research, big data analytics and outcomes research in diverse areas of Public Health. The department is involved in multiple community-based activities and projects like community CPR, population based NCD survey, Population based cancer registry, chronic diseases in pregnancy, use of AI in health care service delivery and food labelling.

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

Number of Papers presented in National Conference: 3

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr Rakesh Kakkar	Scientific session on Role of Food in NCD control.	IAPSMCON 2023 Panelist	AIIMS Bibinagar
2.	Dr Rakesh Kakkar	Best Family Medicine Practices related to Vaccination at the Primary, Secondary and tertiary level	INI Conclave	AIIMS Bibinagar
3.	Dr Ramnika Aggarwal	Interpretation of Food Labels and its effect on consumption choices of school-going children in Bathinda, Punjab, India	IAPSMCON 2023 2 nd -4 th February 2023	AIIMS Bibinagar
4.	Dr Ramnika Aggarwal	Community CPR awareness	Best practices in healthcare	AIIMS Bibinagar



			research among INI	
5.	Dr Madhur Verma	Exploring the Utility of Google Mobility Data During the COVID-19 Pandemic in India: Digital Epidemiological Analysis	IAPSM Young Conclave	AIIMS Bhubaneswar, Odisha

4. 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 (in Rupees)
Projects sanctioned					
1.	Dr Rakesh Kakkar	Occupational Health Hazards among Beedi Rollers in India	John Hopkins and Bloomberg School of Public Health	Ongoing	1.22 crores approx
2.	Dr Rakesh Kakkar	Prioritizing hypertension control and care by strengthening primary health care	-	Completed	
3.	PI- Dr Rakesh Kakkar Co PI- Dr Ankita Kankaria	Factors associated with sudden deaths among adults aged 18–45 years, India: Multicentric matched case-control study	-	Completed	
4.	Dr Rakesh Kakkar	Exposure to Second-hand smoke an elapsed risk factor for COVID-19 Infection- Multicenter case-control study with AIIMS Gorakhpur	Extramural	Completed	
5.	Dr Rakesh Kakkar	Community Hands-only CPR collaborative initiative	American Heart Association	Ongoing	10 Lakhs
6.	Dr Rakesh Kakkar	Sentinel Surveillance Sites on Zoonoses under National One Health Program for Prevention and Control of Zoonoses	NCDC, MoHFW, Government of India		Rs 17 lakhs
7.	Dr Rakesh Kakkar	Feasibility Study on Introduction of Mathru Samman pant to increase client satisfaction in labour room	ICMR	Ongoing	11 Lakhs
8.	Supervisor - Dr Rakesh Kakkar of STS project (Vansh kumar)	Assessment of food outlets in academic institutions as per Eat Right India guidelines for healthy lifestyle practices of students of Bathinda District: Mixed Method Study	ICMR	Ongoing	50000



9.	Dr Ramnika Aggarwal, Associate Professor	Exploring knowledge and perceptions regarding Artificial Intelligence among faculty working in medical colleges in North India	Intramural	ongoing	-
10	Dr Ramnika Aggarwal, Associate Professor	Myths and Beliefs about Cancer causation and prevention: A cross-sectional study	Intramural	ongoing	-
11	Dr Ramnika Aggarwal, STS 2022-Sakshita Pal	Food label literacy and factors determining packaged food choices among residents of Bathinda City: A mixed method study	ICMR	Completed	Rs 50000
12	Dr Ramnika Aggarwal, Associate Professor	Exploring the influence of food labels and advertisements on eating habits of children: a cross-sectional study from Punjab, India	Intramural	Completed	-
13	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 datasets.	RSSDI	Ongoing	4.87 Lakhs
14	Dr. Madhur Verma (Co-PI)	To Build a Novel Agent-Based Model (ABM) to Predict COVID-19 Infections	ICMR, New Delhi	Ongoing	38,00,000
15	Dr Ankita Kankaria (Co-PI) Assistant Professor, CFM	Development and implementation of a Comprehensive Coordinated Community based Palliative Care model for Cancer Patients (C3PaC)	ICMR (Extramural)	Ongoing	77 lakhs
16	Dr Ankita Kankaria	Acceptability and feasibility of Menstrual Cup among married women of reproductive age: a quasi-experimental study	Submitted as a part of MOU with Ambuja under community development activity	Ongoing	1.5 lakhs (logistics and transport cost)
17	Dr Ankita Kankaria	Assessment of knowledge and perception regarding Menstrual CUP among students and health care providers at a Tertiary Care Institute in North India (ME-CUP).	ICMR STS	Completed	50000
18	Dr Soumya Swaroop Sahoo- PI	Scaling up partner testing in index PLHIV patients of district Bathinda: A pragmatic trial	PSACS, NACO	Completed	1,00,000



19	Dr Soumya Swaroop Sahoo- Co PI	Setting up of Science Technology Innovation (STI) Cell at AIIMS Bathinda for vulnerable population	Punjab DST	Completed	4.65 lakhs
20	Dr Soumya Swaroop Sahoo- Site PI	Validation of the Indian (Hindi) version of the Life-Space Assessment in community-dwelling older adults- Multicentric study	Intramural	Completed	
Project Submitted					
1.	Dr Ramnika Aggarwal, Associate Professor	Is covid-19 fuelling the progression of LTBI into active TB cases?	Extramural STF- NTF TB India		3500000
2.	Dr Ankita Kankaria	Effectiveness of primary care based stepped care intervention for Perinatal Depression and Anxiety: Multicentric study	ICMR		Not approved
3.	Dr Ankita Kankaria	Assessment of Burden and Quality of Life Among Family Caregivers of Cancer Patients in a Tertiary Care Center of North India	ICMR STS		Not approved

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

a. Publications

- 1) Kishore S, Shah V, Bera OP, Venkatesh U, **Kakkar R**, Aggarwal P, Bhardwaj P, Singh CM, Maliye C, Garg S, Menon GR, Misra P, Kishore Verma S; COVID SHS Study Group. Risk of secondhand smoke exposure and severity of COVID-19 infection: multicenter case-control study. *Front Public Health*. 2023 Aug 3; 11:1210102. doi: 10.3389/fpubh.2023.1210102. PMID: 37601179; PMCID: PMC10435989.
- 2) Gupta A, Jamir L, Aravindakshan R, Debnath DJ, Sathiyarayanan S, **Kakkar R**. New normal of academic virtual conference: Imperative during pandemic. *J Educ Health Promot*. 2022 Jun 11; 11:166. doi: 10.4103/jehp.jehp_353_21. PMID: 35847144; PMCID: PMC9277758.
- 3) Gupta A, Shaik YN, **Kakkar R**, Aravindakshan R, Pentapati SSK, Reddy BV. Effectiveness of weekly local mothers' kitchen recipe talks to improve dietary iron intake among tribes of Andhra Pradesh, India: A prospective cohort study. *J Family Med Prim Care*. 2022 Nov;11(11):7386-7393. doi: 10.4103/jfmpc.jfmpc_1147_22. Epub 2022 Dec 16. PMID: 36993108; PMCID: PMC10041315.
- 4) Debnath DJ, Gupta A, Naidu NK, Kalidoss VK, **Kakkar R**. Population-Based Detection of Cancer Cases Using Digital Platforms in Mangalagiri Mandal of Guntur District, Andhra Pradesh. *Cureus*. 2023 Feb 8;15(2):e34785. doi: 10.7759/cureus.34785. PMID: 36923191; PMCID: PMC10008782.
- 5) Shankar S, Jamir L, **Kakkar R**, Aravindakshan R, Tripathi M, Ayyanar R, V M. Mysterious Outbreak of Acute Neurological Syndrome in Eluru, Andhra Pradesh, India: A Post-outbreak Geo-Spatial Analysis. *Cureus*. 2022 Nov 22;14(11):e31801. doi: 10.7759/cureus.31801. PMID: 36569687; PMCID: PMC9780085.
- 6) **Verma M, Aggarwal R, Nath B, Kakkar R**. Exploring the influence of food labels and advertisements on eating habits of children: a cross-sectional study from Punjab, India. *BMC Public Health*. 2023 Feb 11;23(1):311. doi: 10.1186/s12889-023-15058-3. PMID: 36774475; PMCID: PMC9919747.



- 7) Gupta A, Kollimarla M, Reddy B V, Noorani Shaik Y, **Kakkar R**, Aravindakshan R. Exploring Unknown Predictors of Maternal Anemia Among Tribal Lactating Mothers, Andhra Pradesh, India: A Prospective Cohort Study. *Int J Womens Health*. 2022 Sep 3;14:1219-1236. doi: 10.2147/IJWH.S380159. PMID: 36092126; PMCID: PMC9451507.
- 8) Gupta, Arti & Bakshi, Satvinder & **Kakkar, Rakesh**. (2022). Epidemiology and Risk Factors for Hearing Damage Among Adults Using Headphones via Mobile Applications. *Cureus*. 10.7759/cureus.25532.
- 9) Shankar S, Jamir L, **Kakkar R**, Babji K, Mangayarkarasi V, Tripathi M, et al. Changes in reverse transcription polymerase chain reaction cycle threshold values of SARS-CoV-2 with topical povidone iodine use: A single-arm open-label interventional study. *J Family Med Prim Care* 2022; 11:480-6.
- 10) Kalra S, Vaidya R, **Verma M**, et al. Primary Care Screening Tool for Polycystic Ovary Syndrome: Step One in the Battle Against Non-Communicable Disease. *Indian J Endocrinol Metab* 2023; **27**:105–6. doi: 10.4103/ijem.ijem_333_22
- 11) Verma M, Aggarwal R, Nath B, et al. Exploring the influence of food labels and advertisements on eating habits of children: a cross-sectional study from Punjab, India. *BMC Public Health* 2023;**23**:311. doi:10.1186/s12889-023-15058-3
- 12) Mirza M, **Verma M**, Sahoo SS, et al. India's Multi-Sectoral Response to Oxygen Surge Demand during COVID-19 Pandemic: A Scoping Review. *Indian J community Med Off Publ Indian Assoc Prev Soc Med* 2023;**48**:31–40. doi: 10.4103/ijcm.ijcm_665_22
- 13) **Verma M**, Sharma N, Bhatt G, et al. Awareness regarding the antitobacco laws and perceptions regarding interventions for effective tobacco control among young adults of Haryana, India. *Indian J Public Health* 2023;**67**:92–8. doi: 10.4103/ijph.ijph_1080_22
- 14) Kalra S, Verma M, Agrawal N. Vaccine hesitancy in primary care: Building bridges by understanding barriers. *J Pak Med Assoc* 2022;**72**:2565–6. doi:10.47391/JPMA.22-117
- 15) Krishnamoorthy Y, Rajaa S, Verma M, et al. Spatial Patterns and Determinants of Diabetes Mellitus in Indian Adult Population: a Secondary Data Analysis from Nationally Representative Surveys. *Diabetes Ther Res Treat Educ diabetes Relat Disord* 2023;**14**:63–75. doi:10.1007/s13300-022-01329-6
- 16) Aneja J, Goyal T, **Verma M**, et al. Client satisfaction with telemedicine services during COVID-19 pandemic: A cross-sectional survey from a teaching institute of North India. *J Fam Med Prim care* 2022;**11**:5187–93. doi: 10.4103/jfmpc.jfmpc_2217_21
- 17) Kishore K, Jaswal V, Pandey AK, et al. Utility of the Comprehensive Health and Stringency Indexes in Evaluating Government Responses for Containing the Spread of COVID-19 in India: Ecological Time-Series Study. *JMIR Public Heal Surveill* 2023;**9**:e38371. doi:10.2196/38371
- 18) **Verma M**, Tripathy JP, Arora V, et al. Analysis of Maternal and Infant Death Reporting System (MIDRS) in a North Indian State during 2013-2018. *J Fam Med Prim care* 2022; **11**:3537–45. doi:10.4103/jfmpc.jfmpc_2315_21
- 19) Goyal LD, **Verma M**, Garg P, et al. Variations in the patterns of tobacco usage among indian females - findings from the global adult tobacco survey India. *BMC Womens Health* 2022;**22**:442. doi:10.1186/s12905-022-02014-3
- 20) Iyengar K, Gupta M, Pal S, et al. Baseline Assessment of Evidence-Based Intrapartum Care Practices in Medical Schools in 3 States in India: A Mixed-Methods Study. *Glob Heal Sci Pract* 2022;**10**. doi:10.9745/GHSP-D-21-00590
- 21) Garg P, **Verma M**, Sharma P, et al. Sexual violence as a predictor of unintended pregnancy among married women of India: evidence from the fourth round of the National Family Health Survey (2015-16). *BMC Pregnancy Childbirth* 2022;**22**:347. doi:10.1186/s12884-022-04673-4
- 22) **Verma M**, Kapoor N, Chaudhary A, et al. Prevalence and Determinants of Sarcopenic Obesity in Older Adults: Secondary Data Analysis of the Longitudinal Ageing Study in India (LASI) Wave 1 Survey (2017–18). *Adv Ther* 2022;**39**:4094–113. doi:10.1007/s12325-022-02216-z



- 23) Gupta M, **Verma M**, Chaudhary K, *et al.* Effectiveness of a collaborative model in improving maternal and child health outcomes among urban poor in Chandigarh, a North Indian city. *J Educ Health Promot* 2022;**11**:212. doi:10.4103/jehp.jehp_668_21
- 24) **Verma M**, Govil N, Chahal S, *et al.* Determinants of Metabolic Syndrome Among People With Substance Abuse: A Cross-Sectional Study From North India. *Prim care companion CNS Disord* 2022;**24**. doi:10.4088/PCC.21m03172
- 25) Goyal LD, Garg P, **Verma M**, *et al.* Effect of restrictions imposed due to COVID-19 pandemic on the antenatal care and pregnancy outcomes: a prospective observational study from rural North India. *BMJ Open* 2022;**12**:e059701. doi:10.1136/bmjopen-2021-05970
- 26) Das M, **Verma M**, **Sahoo SS**, *et al.* Regional Water Availability and WASH Indicators as Predictors of Malnutrition in Under-5 Children: Analysis of the National Family Health Survey, India (2015-16). *J Trop Pediatr* 2022;**68**. doi:10.1093/TROPEJ/FMAC030
- 27) Ponnaiah M, Ganesan S, Bhatnagar T, Thulasingam M, Majella MG, , Kankaria A, *et al.* Hyperglycemia and steroid use increase the risk of rhino-orbito-cerebral mucormycosis regardless of COVID-19 hospitalization: Case-control study, India. **PLoS One.** 2022;**17**(8):e0272042. doi: 10.1371/journal.pone.0272042. eCollection 2022. PubMed PMID: 35939442; PubMed Central PMCID: PMC9359565.
- 28) Nath B, Kankaria A, Kumari R, Kapil U. Nonalcoholic Fatty Liver Disease: Role of Medical Colleges in its Prevention and Control. *Indian J Community Med.* 2022 Apr-Jun;**47**(2):302-303. doi: 10.4103/ijcm.ijcm_900_21. Epub 2022 Jul 11. PubMed PMID: 36034237; PubMed Central PMCID: PMC9400341.
- 29) El Ayadi AM, Duggal M, Bagga R, Singh P, Kumar V, Ahuja A, **Kankaria A**, *et al.* A Mobile Education and Social Support Group Intervention for Improving Postpartum Health in Northern India: Development and Usability Study. *JMIR Form Res.* 2022 Jun 29;**6**(6):e34087. doi: 10.2196/34087. PubMed PMID: 35767348; PubMed Central PMCID: PMC9280461.
- 30) Pendse RS, El Ayadi AM, Sharma P, Ahuja A, Hosapatna Basavarajappa D, Duggal M, **Kankaria A**, *et al.* Access to and Use of Mobile Phone by Postpartum, Married Women in Punjab, India: Secondary Analysis of mHealth Intervention Pilot Data. *JMIR Form Res.* 2022 May 12;**6**(5):e34852. doi: 10.2196/34852. PubMed PMID: 35551059; PubMed Central PMCID: PMC9136645.
- 31) **Sahoo SS**, Sahoo JR, Taywade M, Patro BK. Quality of life and its determinants among ambulatory diabetic patients attending NCD prevention clinic: A cross sectional study from Eastern India. *Clin Epidemiol Glob Heal.* 2023 Mar 22:101275.
- 32) GBD Fatty Liver Disease-SDG Collaborators. The global Fatty Liver Disease-Sustainable Development Goal country score for 195 countries and territories. *Hepatology*:10.1097/HEP.0000000000000361, April 18, 2023.
- 33) **Sahoo SS**, Parida SP, Singh AK, Palepu S, Sahoo DP, Bhatia V. Decision-making in childhood vaccination: vaccine hesitancy among caregivers of under-5 children from a tertiary care institution in Eastern India. *Therapeutic Advances in Vaccines and Immunotherapy.* 2023 Feb;**11**: 25151355231152650.
- 34) Virk A, Samdarshi N, Saini P, Mohapatra A, **Sahoo SS**, Goel S. Prevalence and determinants of hypertension and associated comorbidities in non-pregnant women of reproductive age group (15–49 years): Evidence from National Family Health Survey (NFHS-4), India. *J Family Med Prim Care.* 2022 Sep 1;**11**(9):5865-73.
- 35) **Sahoo SS**, Kaur V, Panda UK, Nath B, Parija PP, Sahu DP. Depression and quality of life among elderly: Comparative cross-sectional study between elderly in community and old age homes in Eastern India. *Journal of Education and Health Promotion.* 2022 Jan 1;**11**(1):301.
- 36) **Sahoo SS**, Kaur N, Kaur A, Garg S. Lymphadenopathy subsequent to Covishield (ChAdOx1 nCoV-19) Corona virus vaccine: ultrasound findings and clinical implications. *Therapeutic Advances in Vaccines and Immunotherapy.* 2022 Sep;**10**: 25151355221124018.



- 37) Kshatri JS, Satpathy P, Sharma S, Bhoi T, Mishra SP, **Sahoo SS**. Health research in the state of Odisha, India: A decadal bibliometric analysis (2011-2020). J Family Med Prim Care. 2022 Jul 1;11(7):3771-6.

b. Book edited

- i. **Verma M, Sahoo SS**, Garg P, Kishore. J. Clinics in COVID Pandemic. 1st ed. Verma M, Sahoo SS, Garg P, Kishore. J, editors. New Delhi: Century Publications; 2022. 312 p.

c. Chapters

- 1) **Verma M**. Public health Aspects of Diabetes. In: Bilous R, Donnelly R, Idris I, editors. Handbook of Diabetes, An Indian Adaptation. 5th ed. New Delhi: Wiley; 2023. p. 319.
- 2) Bandodkar P, **Verma M**. Effect of Public Health Research on Policy/Practice Changes. In: Soundappan K, Amarjeet S, Chockalingam A, editors. Principles And Application of Evidence-Based Public Health Practice (In press). 1st ed. Elseviers; 2023.
- 3) **Verma M** among Collaborators G. Stigma Mechanisms in a Globalized Pandemic in India: A Theoretical Framework for Stigma. In: Pachauri S, Pachauri A, editors. Global Perspectives of COVID-19 Pandemic on Health, Education and Role of Media (In press). 1st ed. Springer Nature; 2023.
- 4) Aggarwal R. Telemedicine' in Clinics in Covid Pandemic. In: Verma M, Sahoo SS, Garg P, Kishore J, Editors. Clinics in COVID Pandemic. New Delhi: Century Publishers;2022
- 5) **Sahoo SS**, Parija PP. Epidemiology of COVID-19: Present situation, challenges and future implications. In: Verma M, Sahoo SS, Garg P, Kishore J, Editors. Clinics in COVID Pandemic. New Delhi: Century Publishers;2022 p1-9
- 6) Kaur A, **Sahoo SS**. COVID- 19 pandemic: Management and changing Treatment Scenarios. In: Verma M, Sahoo SS, Garg P, Kishore J, Editors. Clinics in COVID Pandemic. New Delhi: Century Publishers;2022 p 70-83
- 7) Kaur N, **Sahoo SS**, Rana S. Advanced Magnetic Resonance Imaging (MRI) of Brain. In: Mazumder, N., Gangadharan, G., Kistenev, Y.V. (eds) Advances in Brain Imaging Techniques. Springer, Singapore. 2022

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

- (a) Training activities conducted, surgeries, camps, etc.
- (b) Number of Conference Organized*- 1
- (c) Number of Workshop Organized*- 2
- (d) Screening camp and Awareness sessions-8
- (e) Observation of Health Days- 11

Dr Rakesh Kakkar

- (a) **Nodal Officer**, Sentinel surveillance site under Prevention and Control of Zoonotic Diseases, NCDC
- (b) Organized 25th North Zone IAPSM Conference at AIIMS Bathinda as **Organizing Chairman**
- (c) Invited as Resource faculty in "Best Family Medicine Practices related to Vaccination at the Primary, Secondary and tertiary level" 8th April 2022 organized by AIIMS Bibinagar for all the medical INIs of India.
- (d) Moderator for the session "Journey as a Family Physician in a Large Tertiary Private Corporate Hospital "8th April 2022 organized by AIIMS Bibinagar for all the medical INIs of India.
- (e) Elected as President, IAPSM North Zone 2023-24
- (f) Organized Research Grant workshop by Research advisory Committee as Member
- (g) Resource faculty on World No Tobacco Day 2022, a **national webinar on 31st May 2022** at AIIMS Gorakhpur in collaboration with Global Health Advocacy Incubator (GHA), USA.

Dr Ramnika Aggarwal

- (a) Elected **Member Executive Committee** – IAPSM-North Zone

- (b) Organised and facilitated the 'AIIMS Preventive Oncology-ECHO Programme' ten session modules on 'Awareness and early detection of preventable cancers' Community Health Officers
- (c) Interactive guest session on the topic of 'Preventing cancers- Risk factors and healthy life-style' among SSD college students- NSS & RSS unit- on the occasion of World Health Day 2022
- (d) Organised CME on Vaccine Preventable Diseases - WHO Surveillance programme under MOHFW- 'Integrating learnings from Covid-19 with Routine Immunization'
- (e) Organising Committee member for 25th Annual conference of Indian Association of Preventive Social Medicine NZIAPSMCON-2022 at AIIMS Bathinda

Dr Soumya Swaroop Sahoo

- (a) Worked as District Nodal Officer as a part of Sub National TB certification of district Ferozepur.
- (b) As a part of State surveillance Team (SST) member, conducted training on HIV Sentinel Surveillance of Medical Officers. Supervisory visit as SST member during HIV Sentinel surveillance 2022 at GH Bathinda

7. Number of Thesis Supervised MD/MS-

- (a) Dr Rakesh Kakkar-1
- (b) Dr Ramnika Aggarwal-1
- (c) Dr Madhur Verma- 1
- (d) Dr Ankita Kankaria- 1 MD, 1 PhD

8. Any other achievement

Dr Ankita Kankaria- Selected for grantathon program by ICMR- Psychiatric Research Infrastructure for Intervention and Implementation in India (PRIIA) (July -August 2022)

PHOTOGRAPHS OF DEPARTMENTAL ACTIVITIES



Organizing Committee NZIAPSM CON 2022



Awareness activities in the Community



Awareness activities in the Community



Health Camps in the Community



DEPARTMENT OF DERMATOLOGY

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

1. 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

2. Brief Introduction of the department:

a. Department vision:

- i. To provide high standard ethical, affordable, personalized and compassionate health care to the patients suffering with 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.
- ii. Clinical – Further expansion of IPD, side lab facility, special clinics and dermatosurgical services
- iii. Equipment – Lasers: CO2 laser, Nd: YAG laser,

- b. **Academics:** Undergraduate clinical and theory classes are being conducted as per schedule. Postgraduate course has been started in department from Jan 2022. Teaching schedule of PG includes: Seminars, journal club, clinical case discussion and spotters-once per week, Academic ward rounds-once per week, conducting internal assessment exam every 3 months, Clinico - pathological teaching activities: in collaboration with pathology department

c. Patients related services provided in the department:

- i. Daily General OPD, IPD and special clinics
- ii. 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.

3. 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 Bansal	Microneedling-panel discussion	Dermacon International, 22 nd -27 th Feb, 2023, Mumbai	IADVL (Indian society of dermatology, venerology and leprology)
2.	DR Shivani Bansal	Poster: Whats sparing the keloid in nipple areola complex	Dermacon International, 22 nd -27 th Feb, 2023, Mumbai	IADVL (Indian society of dermatology, venerology and leprology)
3.	DR Shivani Bansal	Lecture: Neonatal dermatoses	Pediatric Dermatology Introductory Course	Asian Society of Pediatric Dermatology



National conferences				
1.	DR Shivani Bansal	Tofacitinib in dermatology-panel discussion	Mid-dermacon, 23 rd -25 th september 2022, Lucknow	IADVL
2.	DR Shivani Bansal	Lecture: Periwound skin management' PRP and PRF in wound healing	Woundcon (National) 5 th -7 th November 2022, AIIMS, BATHINDA	Dept of Burns and plastic surgery, AIIMS Bathinda
3.	DR Shivani Bansal	Lecture Topical Steroid abuse	MRSPTU-AICTE (6 th -18 th June, 2022) in professional development program	MRSPTU-Bathinda
4.	DR Shivani Bansal	Chairperson at Dermoscopy workshop	48 th Cuticon (State), 2022 held at GMC Patiala	IADVL Punjab, HP, Himachal
5.	Dr. Kavita Poonia	Unilateral Granular parakeratosis of axilla and groin	DSI 2022 18 TH -20 TH nov PGIMER, CHD	25 th annual conference of Dermatology society of india

4. FACULTY ACHIEVEMENTS –AWARDS, HONOURS ETC

S No	Name of faculty	Award/honour	Event	Organised by
1.	Dr Shivani Bansal	Member of National Academy of Medical Sciences (MNAMS)	Award of membership	National Academy of Medical Sciences
2.	Dr Kavita Poonia	Member of National Academy of Medical Sciences (MNAMS)	Award of membership	National Academy of Medical Sciences
3.	Dr Shivani Bansal	IADVL observership	Observership	IADVL

5. 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 Kavita Poonia	To study the effect of metabolic syndrome on endothelial function in patients with psoriasis	Extramural Serb- core research grant	Submitted under evaluation	12,92,526

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

a. Publication details:

- i. Bhalla M, Poonia K, Jain S, Thami GP, Sharma P. Clinical profile of patients with pure neuritic leprosy: 20 years' experience at a tertiary referral centre from North India. Leprosy Review, 2022; 93; 2; 131-137;
- ii. Topical and systemic therapies in Melasma: A systematic Review (Accepted) 27 march 2023– Bansal S. author



- iii. **Bansal S**, Singh S, Rana MK. Sweet Syndrome Localized to the Face. Indian J Dermatol. 2023 Mar-Apr;68(2):222-225.
- iv. Gupta V, Brar A, **Bansal S**, Kaur N. Giant cerebriform Nevus lipomatosus cutaneous superficialis with diffuse lipomatosis: An unusual presentation at neck. **Corresponding author**. Accepted Skinmed oct 2022
- v. Sushama, **Bansal S**. Improvement in Lesions of Co-existing Lichen Amyloidosis and Vitiligo with Dexamethasone Oral Mini Pulse Therapy. Indian Dermatol Online J. May 25, 2023. **Corresponding author**. Accepted date nov 2022
- vi. **Bansal S**, Sushama S. Isolated involvement of umbilicus in psoriasis. Accepted Skinmed 2022
- vii. Singh S, **Poonia K**, **Bansal S**, Kapatia G. Bilateral chancre of the tongue: An unusual presentation of primary syphilis. Int J STD AIDS. 2023 Jun;34(7):488-490. Epub **2023 Mar 16**. PMID: 36927340.
- viii. **Bansal S**, Chojer P, Kaur H, **Poonia K**. Bilateral en coup de sabre in a male child-a rare presentation. Pediatric Dermatol (accepted)
- ix. **Poonia K**, Dogar K, Bhalla M. Lichen planus hypertrophicus of the vulva - An isolated presentation. Indian J Sex Transm Dis AIDS. 2022 Jul-Dec;43(2):236-238.

b. Chapters

- i. **Bansal S**, Brar A. Cutaneous manifestations and COVID 19. Clinics in covid pandemic. Published
- ii. Sinha S, Gupta M, **Bansal S**, Sarkar R. Nov (2022). Hair Disorders in Females. November 2022. In book: Skin Diseases in Females (pp.291-325)
- iii. Mohta A, **Poonia K**. Intralesional drugs used in Dermatology including Corticosteroids, Antiviral agents, Immunotherapy, Chemotherapeutic agents". Handbook of dermatologic drug therapy'.

SI No	Name of faculty	Research paper	Book/chapter	I10index	H index
1.	Dr Shivani Bansal	25	18	7	8
2.	Dr. Kavita Poonia	18	1	1	4

7. Number of Thesis Supervised MD/MS*

- (a) A clinico-epidemiological study among patients of primary cutaneous amyloidosis using dermoscopy and histopathology in a tertiary care institute of north india as Dr Shivani Bansal as **GUIDE**
- (b) Comparison of therapeutic efficacy and safety of two concentrations of intra-lesional triamcinolone acetonide in patchy alopecia areata of the scalp: an open label randomized trial as Dr Shivani Bansal as **GUIDE**



DR SHIVANI BANSAL FELICITATION AT DERMACON INTERNATIONAL 2023, MUMBAI



DR SHIVANI BANSAL FELICITATION AT CUTICON PUNJAB 2022, PATIALA



DR SHIVANI BANSAL FELICITATION AT MID-DERMACON 2022, Lucknow



CLINICOPATHOLOGICAL MEET (DEPARTMENT OF DERMATOLOGY AND DEPARTMENT OF PATHOLOGY)



DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

Name of the Department	ENDOCRINOLOGY & METABOLISM
Head of the Department	DR. Satish Gupta

1. Faculty Details

S.No	Name of faculty	Designation	Date of Joining
1	Dr. Shivani	Assistant Professor	02-08-2021

2. Brief Introduction of the department:

Expertise in providing care for Diabetes, Thyroid disorders, PCOS, Short or tall Stature, Early or delayed puberty, Adrenal or pituitary disorders, parathyroid disorders, Calcium disorders, Osteoporosis. Department is committed to providing comprehensive diabetes care, B. Glucose, S. Ketone testing, and education including diet plans, insulin techniques, diabetic foot care, and lifestyle modifications.

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

Number of Papers presented in National Conference: 01

Number of Papers presented in International Conference:

Sr No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	DR. Shivani	Clinical and Biochemical characteristics of Sheehansyndrome- Postpartum pituitary apoplexy	National Symposium Cum Workshop on Obstetrical Haemorrhage. December 19th , 2021	All India Institute of Medical Sciences Bathinda

2. Faculty achievements –awards, honours etc

Sr No	Name & designation of faculty	Award/honour	Event	Organised by
01.	DR. Shivani	1st prize	Festive theme of Flash-ON Photography competition	All India Institute of Medical Sciences, Bathinda
		2nd Prize	Oral Paper Presentation	All India Institute of Medical Sciences, Bathinda



3. 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.Shivani	Comparison of intermittent fasting versus low caloric diet in non-diabetic obese subjects	Intramural	ongoing	Nil
		Assessment of compliance with oral Calcium and Vitamin D and exploration of barriers for patients with Osteoporosis	Intramural	Ongoing	Nil
		Effect of “coping strategies” on Diabetes distress- a hospital based randomized control trial	Intramural	Ongoing	Nil

4. Papers and Books/chapters published by the faculty:

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

(a) Training activities/ camps-03

- i. World Osteoporosis Day (Oct. 20, 2021) Department of Endocrinology and Orthopaedics
- ii. World Diabetes Day (Nov. 15, 2021)
 - 1) Access to diabetes care – if not now, when?
- iii. World diabetes week (16-18 Nov 2021)
 - 1) Department of Endocrinology, Department of Gen. Medicine, Department of Ophthalmology and Department of Nephrology

6. Any other achievement:

- (a) Guest Speaker Thyroid E-Symposium, 2022, Topic: Thyroid and Fertility. 26th February 2022. Organized by Mohali Obstetrics and Gynecology Society (Mohogs), Registration No. 6106 and Forum of Ladies in Medicine
- (b) Guest Speaker Women Cardiac Care (WCC): 2022 Topic: Effect of Treatment With SGLT2 Inhibitors on Arginine Related Biomarkers. organized by WINCARE association. On 6th-10th March 2022.
- (c) Speaker for e-learning course on Topic “Sick day management of patient with diabetes” for Nurses Upskilling in NCDs India-Sweden Healthcare Innovation collaboration. under the guidance of MoHFW, India, Ministry of Health and Social Justice, Sweden, ICMR- 23rd March 2022



World Osteoporosis Day (Oct. 20, 2022)



Dr. D.K. Singh, addressing the audience



Participants of the World Diabetes Day, Nov. 15,2022

(d) Organized ‘Access to diabetes care – if not now, when?’ Camp, wherein following services were provided:

- i. A free comprehensive medical checkup cum screening camp
- ii. Hba1c testing,
- iii. Blood glucose testing,
- iv. Neuropathy screening (biothesiometer).
- v. Insulin pens and cooling wallets were also distributed among patients.



World diabetes week (16-18 Nov 2022)

(e) Organized various competitions for public awareness:

- Public interactive session
- Quiz competition on diabetes
- Slogan writing and poster competition on the theme diabetes awareness.



DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY

Name of the Department	Forensic Medicine & Toxicology
Head of the Department	Prof. Dr Akhilesh Pathak

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Akhilesh Pathak	Professor & Head	13-11-2019
2.	Dr Ajay Kumar	Additional Professor	06-12-2019
3.	Dr Jyoti Barwa	Associate Professor	02-12-2019
4.	Dr Rattan Singh	Assistant Professor	02-12-2019

2. Brief Introduction of the department:

The Department of Forensic Medicine and Toxicology, AIIMS Bathinda aims to contribute in the progress of the institute by actively engaging in multifarious activities of research, teaching, training and learning activities. We are handling all the medico-legal cases arriving in the institute. Our distinguished faculty members provide their expert opinion in clinical forensic & other medico-legal cases.

Our goal of teaching undergraduate students in Forensic Medicine and Toxicology is to produce a physician who is well informed about medico-legal responsibilities in the practice of medicine. Our endeavour is to enable them in acquiring knowledge of law in relation to medical practice, medical negligence and respect for codes of medical ethics. Also, to train them so that they are capable of making observations and inferring conclusions by logical deductions to set enquiries on the right track in criminal matters and connected medicolegal problems.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences: Nil				
National conferences				
1.	Dr Akhilesh Pathak	Pitfalls in medicolegal practice	UPAPICON-2022 on 18 Dec 22	Up Chapter of Indian Association of Physicians.
2.	Dr Akhilesh Pathak	Challenges in emergency- Guest speaker	IAFM conference 23 Feb	Indian Association of Forensic Medicine
3.	Dr Ajay Kumar	Indian Judicial System IPC CrPC IEA at GMCH- Guest Lecture	Training of trainer program on revised B.Sc. Nursing curriculum	GMCH Chandigarh in collaboration with ECHO India
4.	Dr Ajay Kumar	An overview of recent advances in Forensic Medicine and Toxicology- Guest lecture	XX Annual National Conference of Punjab Academy of Forensic Medicine and Toxicology held on 12 th Nov 2022	Department of Forensic Medicine & Toxicology, AIIMS Bathinda
5.	Dr Ajay Kumar	Forensics of Wounds- Guest lecture	WOUNDCON 2022, 24th Annual National Conference of Indian Society of Wound Management held	Department of Burns and Plastics, AIIMS Bathinda



			from 5th to 7th Nov 2022	
6.	Dr Ajay Kumar	Medicolegal aspects of wounds- Guest lecture	WOUNDCON 2022, 24th Annual National Conference of Indian Society of Wound Management held from 5th to 7th Nov 2022	Department of Burns and Plastics, AIIMS Bathinda
7.	Dr Ajay Kumar	The concept of Advanced Medical Directives in Indian Scenario	XX Annual National Conference of Punjab Academy of Forensic Medicine and Toxicology held on 12 th Nov 2022	Department of Forensic Medicine & Toxicology, AIIMS Bathinda
8.	Dr Ajay Kumar	To study Advanced Medical Directives of the serious COVID 19 patients admitted in AIIMS Bathinda: A retrospective study	Indian Academy of Forensic Medicine Conference held on 29 th April to 1 st May 2022	Sanjay Gandhi Postgraduate Institute of Medical Sciences, Lucknow, U.P
9.	Dr Jyoti Barwa	Fatal child abuse Maltreatment Syndrome: a case report	XX Annual National Conference of Punjab Academy of Forensic Medicine and Toxicology held on 12 th Nov 2022	Department of Forensic Medicine & Toxicology, AIIMS Bathinda
10.	Dr Rattan Singh	Medico-legal issues in organ donation	XX Annual National Conference of Punjab Academy of Forensic Medicine and Toxicology held on 12 th Nov 2022	Department of Forensic Medicine & Toxicology, AIIMS Bathinda

4. 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 Ajay Kumar, Additional Professor	Knowledge, Awareness and Perception regarding Advanced Medical Directives in patient and patient's relative admitted in SICU /MICU /CCU: A pilot study	Intramural	Ongoing	Not applicable
2.	Dr Rattan Singh, Assistant Professor	Strategic evaluation of clinical Forensic cases in AIIMS Bathinda	Intramural	Ongoing	Not applicable



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

- (a) **Kumar A**, Mandar R Sane, Singh A, Harish D Audit of histopathological examination in medico-legal autopsies in a tertiary care hospital – a 3-year retrospective study. International Journal of Medical Science and Current Research. Mar-April 2023 Vol 6(2):688-95.
- (b) **Kumar A, Barwa J, Pathak A, Singh R**. Ethical and medicolegal issues in retention of organs after autopsy, for teaching purposes. International Journal of Medical Science and Current Research Mar-April 2023 Vol 6(2):683-87.
- (c) Singh P I, **Kumar A**, Singh A, Harish D. Morphological analysis of thyroid gland In cases of alleged suicidal Deaths: A Prospective Analysis International Journal of Medical Science and Current Research January-February 2023 Vol 6(1):152-8.
- (d) Gupta K, Thalaur S, **Singh R, Barwa J**, Das S. (2023) Stature Estimation from Finger Length by Regression Equation. IJCSRR; 6(2), 1537-1541.
- (e) **Kumar A, Barwa J, Pathak A, Singh R**. Concept of advanced medical directives in the Indian scenario. Int J Health Res Medico Leg Prae 2022 July-Dec;8(2):68-72.
- (f) **Barwa J, Pathak A, Kumar A, Singh R**. Admissibility of serving summons and warrant by electronic media: an Indian perspective. J Indian Acad Forensic Med. 2022 April-June 44 (2):109-10.
- (g) **Pathak A, Kumar A, Barwa J, Singh R**, Singh G, Gadige C. A rare case of bilateral symmetrical temporo-parietal extradural hematoma in road traffic accident. J of Foren Med Toxi 2022;39(2):134-6.
- (h) Joshi A, Kataria A, **Singh R, Barwa J**, Tripathi P, Das S, Siraj S (2022). Stature Estimation from Dimension of Hands and Hand Prints in Dehradun Population. International Journal of Current Science Research and Review, 5(11), 4232-4236.
- (i) **Barwa J, Singh R**, Pradhan M. (2022) Overcoming the Challenges in Deaths by Intravenous Potassium Chloride: A Case Report. Asia Pac J Med Toxicol; 11(1):33-36.
- (j) **Singh R, Barwa J**, Sekhon H, Aggarwal A. (2022) Stature Estimation by Carrea's Index in Dead and Live Subjects. J Forensic Res Criminal Investig; 3(2): 120-124
- (k) Alam S, Mangare VK, Varshney LK, **Barwa J**. Latest Trends of Substance Abuse among Teenagers: An Original Research Study at a Tertiary Health Care Centre in Northern India. Int J Sci Stud 2022;9(12):73-76.

6. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

S.No.	Faculty Name	Research paper	i10 index	H index
1.	Dr Akhilesh Pathak	4	11	11
2.	Dr Ajay Kumar	6	9	9
3.	Dr Jyoti Barwa	9	0	3
4.	Dr Rattan Singh	8	0	3

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

Training activities conducted, surgeries, camps: 01
 Number of Conference Organized*: 01

- (a) **XXth Annual National Conference of Punjab Academy of Forensic Medicine and Toxicology (PAFMATCON 2022)**: held on 12th November 2022 in a hybrid mode with the Guest of honour as Shri J Elanchezhian, IPS, Senior Superintendent of Police. More than 170 distinguished Forensic experts, medical officers and PG students from all over the country participated enthusiastically for the academic event. Eminent speakers who are pioneers in this field delivered their lectures which was followed by scientific papers & posters presentation by the PG's, SR's & junior faculty. For the first time, an autopsy video competition was organized for the PG students which was one of its kind that received tremendous appreciation from all with an overwhelming response.

- (b) Number of Thesis Supervised MD/MS*: 01
- (c) Any other achievement



FMT/01: Inaugural ceremony of XXth Annual National Conference of PAFMAT (PAFMATCON 2022)



FMT/02: AWARD CEREMONY IN XXTH ANNUAL NATIONAL CONFERENCE OF PAFMAT (PAFMATCON 2022)



DEPARTMENT OF DENTISTRY

Name of the Department	DENTISTRY
Head of the Department	DR (COL) SATISH KUMAR GUPTA

1. Faculty details:

S.no	Name of faculty	Designation	Date of Joining
1.	Prof. Satish Kumar Gupta	Professor	08-11-2019
2.	Dr. Shailendra Singh Rana	Assistant Professor	13-11-2019
3.	Dr. Lata Goyal	Assistant Professor	08-11-2019
4.	Dr. Tarun Kumar Singh	Assistant Professor	02-11-2019

2. 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.

(a) **Teaching:** Undergraduate Teaching MBBS students

(b) **Postgraduation Teaching:** MDS: Prosthodontics and Crown & Bridge.

MDS: Periodontics

(c) Services Available in Department

- 1) **General OPD:** Extractions, Restorations, Oral Prophylaxis, Scaling
- 2) **Radiological:** Intraoral periapical X Ray, OPG, Lateral Ceph, Paranasal sinus, CBCT
- 3) **Prosthodontics:** Complete and Removable Denture, Fixed Prosthesis, Maxillofacial Prosthesis, Implants
- 4) **Orthodontics:** Lingual orthodontics, Clear Aligner, Ceramic brackets, Cleft palate, Growth Modification Appliances, orthognathic Surgeries, Management of OSA and TMD
- 5) **Periodontics:** Flap Surgeries, Root Coverage, Gingivectomy, PRP procedures, Implants, Laser, Microsurgeries
- 6) **Endodontics:** Root Canal Treatment, Vital Pulp Therapy, Aesthetic Procedures, Veneers
- 7) **Pedodontics:** Paediatric Restorations, pulpectomy, crowns
- 8) **Oral and Maxillofacial Surgery:** Impaction, cyst enucleation, Maxillofacial Trauma, TMJ

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

Number of Papers presented in National/international Conference: 10

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr. Shailendra Singh Rana	Surface scanned silicon impression approach for palatal volume measurement in clcp subjects	Indo cleftcon, Kochi	Indian Society of Cleft Lip, Palate And Craniofacial Anomalies
		Research Scope of automation in Orthodontics	National Institute of Technology, Rourkela 22-08-2022	Department of Biotechnology and Medical Engineering, National Institute of Technology, Rourkela



		A robust method to measure palatal volume	33rd Annual Conference Leela Ambience Convention Hotel, Delhi 16-18 th Feb 2023	Indian Society for dental research
		Effect of orthodontic treatment on alveolar bone loss in subjects with traumatic deep bite: A pilot study	1st Asian Regional Congress of Dental Traumatology 2022, 16-18 Dec	Taj Hotel & Convention Centre, Agra, India.
2.	Dr. Lata Goyal	Patient Centred evaluation of treatment of gingival recession associated with non-carious cervical lesion with and without platelet rich fibrin	46 th Annual Conference Indian Society of Periodontology Nov 2022	Indian Society of Periodontology
		Accuracy of implant placement in Dynamic Navigation	Spring Summit Academy of Oral Implantology April 2022, Chandigarh	Academy of Oral Implantology
		4 D dentistry: A revolutioning Approach in Dentistry	61st Punjab State Dental Conference Nov 2022, Bathinda	Indian Dental Association
3.	Dr. Tarun Kumar Singh	CBCT Guided Management of paramolar in Mandibular Molar	30 IES Conference 14-16 October 2022	3 rd National Conference ISDT
		Management of Intrusion in Permanent maxillary anterior teeth	1st ARCDT (Asian Region Congress Dental Traumatology) Conference 12-14 November 2022	IACDE and IES
		Development of apical root cracks following different root canal preparation techniques & instruments	2nd National Seminar on Applied Research at Development Cell 21 December 2022	Research and Development Cell
Lectures Delivered				
1.	Dr. Lata Goyal	Critical Appraisal in Evidence Based Medicine	Saraswati Dental College, Lucknow.	ISP
2.		“Oral Cancer, Its Risk Factors, Early Detection and Treatment”	ECHO Preventive Oncology	ECHO
Panelist				



1.	Dr. Lata Goyal	Clinical Approach to Periodontics	Indian Society of Periodontology and AIDS, Bathinda May 2022	Indian Society of Periodontology and AIDS, Bathinda
		Basal Implants	Indian Dental Association	Indian Dental Association
Chairperson				
1.	Dr. Lata Goyal	46 th Annual Conference of Indian Society of Periodontology, Nov 2022 Bhubaneshwar		
		2nd AIIMS Periodontal and Plastic Surgery Symposium 23rd Sept 2022, AIIMS New Delhi		
		20th ISP PG Convention 22nd -24th April 2022, Chandigarh		
		61st Punjab State Dental Conference Nov 2022, Bathinda		
Trainings/Workshop Attended				
1	Dr. Lata Goyal	Advocating Findings of Cochrane Systematic Reviews for Dental Practice by Cochrane India Network, PGIMER Chandigarh Jan 2023		
		2nd AIIMS Periodontal and Plastic Surgery Symposium 23rd Sept 2022, AIIMS New Delhi		
		Digital implantology Spring Summit Academy of Oral Implantology April 2022, Chandigarh		
		Digital Guided Implant System- DioNavi at 46th Annual Conference of Indian Society of Periodontology, Nov 2022 Bhubaneshwar		
		Statistical methods in Clinical Trials workshop conducted by ICMR, New Delhi 2022		
		Course on Introduction to Systematic Review for Dental Health Professional February to April 2022 with 95%		
		Hands on Training on Laser- A ray of Modern Dentistry, IDA Bathinda.		

4. Faculty achievements –awards, honours etc

S. No	Name of faculty	Award/honour	Event	Organised by
1	Dr. Shailendra Singh Rana	S. S. Sidhu award	2023	National Academy of Medical Sciences
		Research Grant proposal shortlisted for once of the five short listed applications of many excellent applications	2022	Indian Orthodontic Society
		Finalist in the Innovation Award for Excellence in Orthodontics Research competition	2023	IADR/LAR
2	Dr. Lata Goyal	Epidemiology Foundation of India	2022	EPFI
		Statistical methods in Clinical Trials workshop conducted by ICMR, New Delhi March	2022	ICMR
		CDE Representative	2023	IDA
3	Dr. Tarun Kumar Singh	American Academy of Cosmetic Dentistry (AACD)		AACD
		International Association for Dental Research		IADR
		International Association of Dental Traumatology (IADT)		IADT


5. 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. Shailendra Singh Rana	Volumetric upper airway analysis using 2-D Dimension cephalogram.	ICMR- Extramural	Ongoing	22.5 lakhs
		3D cephalometric analysis comparison in adult human subjects based on MRI and CT imaging modalities	SERB- extramural	Ongoing	12.5 lakhs
		Development of Artificial Intelligence Algorithms for automatic landmarks detection on posteroanterior Cephalogram for asymmetry analysis.	AIIMS Bathinda- Intramural	Ongoing	
		Digital workflow with 3D repositioning splints in patients with temporomandibular joint disorders	AIIMS Bathinda- Intramural	Ongoing	
		A retrospective study proposing a novel approach to measurement of palatal volume in skeletal Class I, Class II and Class III subjects	AIIMS Bathinda- Intramural	Ongoing	
		Etiology of temporomandibular disorders in Malwa region of Punjab – A pilot study	AIIMS Bathinda- Intramural	Ongoing	
2.	Dr. Lata Goyal	3D bioprinting and characterization of periodontal ligament generation derived from dental pulp, periodontal Ligament and gingival mesenchyme and bone marrow stem cell (Provisionally accepted) SPG/2022/001723	Extramural		
		Oral health status and oral health related quality of life in patients with metabolic syndrome: a cross sectional study (Chief Investigator)	AIIMS Bathinda- Intramural	Completed	
		Treatment of gingival Recession using conventional vs minimally invasive coronally advanced flap with platelet rich fibrin in thin gingival biotype: A randomized controlled clinical trial (Chief Investigator)	AIIMS Bathinda- Intramural	Ongoing	



		Association of HLA and other related gene variants with cutaneous adverse drug reaction among patients on antiepileptic drug treatment: A study from tertiary care institute in Northern India. (Co- Investigator)	AIIMS Bathinda- Intramural	Ongoing	
		3. Investigating the role of Salivary microvesicles (SMVs) in periodontitis and their significance in evaluating thrombotic disorders: Establishing clinical pathological associations and designing point of care diagnostic tool (under review DST)	Extra Mural	Submitted	
3	Dr. 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	
		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	
		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	
		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	

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

(a) Research papers 11

(b) Book Chapters 6

- 1) Goyal L, Gupta S, Perambudhuru Y. Periodontitis and Cognitive impairment. Evid Based Dent (Accepted)
- 2) Goyal L, Gupta S, Dewan M, Singla M. Is periodontal therapy an effective treatment modality for preventing or managing cardiovascular disease in patients with periodontitis? Evid Based Dent. 2023; 24 (1):32-34 PMID: 36890248.



- 3) Goyal L, Gupta S, Samujh T. Does nonsurgical periodontal therapy improve glycaemic control? *Evid Based Dent.* 2023; 24(1):21-22. PMID: 36890240.
- 4) Goyal L, Rao S, Reddy GS, Agarwal P. Inflammatory myofibroblast tumour of anterior maxillary gingiva: An unusual clinical presentation. *J Oral Maxillofacial Pathol.* 2022 Feb;26(Suppl 1): S73-S76 PMID: 35450239
- 5) Perambudhuru Y, Goyal L, Dewan M, Mahajan A, Prabhat KC. Applications of 4D Printing in Dentistry: A Narrative Review. *Journal of Advanced Periodontology and Implant Dentistry (Revision)*
- 6) Mahajan A, Goyal L, Asi KS, Walhe MS. Clinical effectiveness of periosteal pedicle graft (PPG) for the management of gingival recession defects- A Systematic Review and Meta-Analysis. *Evid based Dent.* 2023;1-11. PMID: 37286696
- 7) Dewan M, Pandit AK, Goyal L. Association of periodontitis and gingivitis with stroke: A systematic review and meta-analysis. *Dent Med Probl.* 2023 Jan 26. (Accepted) PMID: 36700798
- 8) Chawla K, Goyal L. Root Coverage with Restoration of Non-carious cervical lesions: A systematic Review and Meta-Analysis (Accepted) (DMP-02831-2022-02)
- 9) Singh TK, Arshad E, Sharma A, Kumar M, Choudhary E, Sharma S. Knowledge, attitude, and awareness of parents regarding their children's oral health in Bathinda, Punjab. *Int J Health Sci.* 2022;6(S5):11349–11356.
- 10) Prakash J, Singh TK et al. Intra-articular platelet-rich plasma injection versus hydrocortisone with local anesthetic injections for temporomandibular disorders. *Bioinformation* 18(10): 991-997 (2022).
- 11) Singh TK, Sankar H, Arshad E, Gupta A, Kumar M, Ram H, Supta A. Oral Myiasis in an Immunocompromised Adult Undergoing Chemotherapy: A Rare Case and Comprehensive Treatment Protocol. *Cureus.* 2023 Jul 27;15(7).

c. Books

- 1) 1.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. (In Press).
- 2) Gupta A, Neelapu BC, Rana SS. "Computer-Aided Diagnosis (CAD) Tools and Applications for 3D Medical Imaging" currently under review for publication by Elsevier Inc. USA (In progress). [Elsevier under the Book series Advances in Computers <https://www.sciencedirect.com/bookseries/advances-in-computers>.]

d. Chapter in Books:

- 1) Kaur, N., Sahoo, S.S., Rana S.S. (2022). Advanced Magnetic Resonance Imaging (MRI) of Brain. In: Mazumder, N., Gangadharan, G., Kistenev, Y.V. (eds) *Advances in Brain Imaging Techniques*. Springer, Singapore.
- 2) Chaudhari PK, Zere E, Goyal L, Almerco KKA, Dhingra K. Advance applications of polymeric green composites in medical bioscience- Bone engineering. In: Innamudin Ed(s). *Green Sustainable Process for Chemical and Environmental Engineering and Science*. 1st edition. Elsevier 2023; 1:321-330.
- 3) Mirza M, Goyal T, Goyal L. Barrier -Free Healthcare Design for Patients with Disabilities. In: Bhatia D, Chaudhari PK, Chaudhary B, Sharma S, Dhingra K. *A Guide to Hospital Administration and Planning*. Springer Nature, Singapore 2023; 251-266
- 4) Goyal L, Amritpreet, Eranhikkal A, Chaudhary PK, Dhingra K. Dental Office layout and Design. In: Bhatia D, Chaudhari PK, Chaudhary B, Sharma S, Dhingra K. *A Guide to Hospital Administration and Planning*. Springer Nature, Singapore 2023; 79-93
- 5) Goyal L, Kumar N, Soni K, Gupta S. Impact of COVID on oral health. In *Clinics in COVID Pandemic*. Century Publications 2022; 1-280.
- 6) Singh T. Computed Tomography Imaging for craniofacial and dental applications published by Springer Nature Singapore



7. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Faculty Name	Citations	I10 index	H10 index
Dr. Shailendra Rana	97	6	4
Dr. Lata Goyal	440	13	14
Dr. Tarun Kumar Singh	75	5	3

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

S No.	Faculty	Name of CME/Workshop	Dates	Role of the Faculty
1.	Dr. Shailendra Singh Rana	Conducted a workshop on 3D cephalometric analysis using CT and MRI	04-02-2023	Organizing chairman and delivered a lecture to the other department faculties
2	Dr. Lata Goyal	61 st PSD Conference	Nov 2022	Scientific Convener
		Basal Implants CDE	Feb 2023	Organising Secretary

9. Number of Thesis Supervised MD/MS*-2

10. Other Achievements/Highlights of the Faculty:

1) Prof. Satish Kumar Gupta

- I. During the fiscal year spanning 2021-2023, I assumed the pivotal role of 'Dean,' which bore immense significance within our recently established institution.
- II. Crafted the entire MBBS curriculum, spanning from the inaugural year to the concluding phase, unaided and without the reliance on the support of AIIMS, New Delhi—a task that the Ministry of Health and Family Welfare had entrusted to our institution.
- III. Regrettably, this intensive undertaking left me with limited bandwidth to allocate towards my own sphere of Dentistry and my personal professional pursuits".

2) Dr. Shailendra Singh Rana

- i. Currently pursuing PhD from NIT Rourkela, Odisha in Artificial Intelligence.
- ii. Member of Faculty of Dental Sciences, MFDS RCPS (Glasg), Personal ID (PID): 151280.
- iii. Life Member of Indian Orthodontic Society (LM-3147).
- iv. Life Member Indian Society for Dental Research: India section of International Association of Dental Research (LM-952).
- v. Life member of Indian Society of Cleft lip, palate and craniofacial anomalies. (L-R-34).
- vi. Member of American Cleft Palate-Craniofacial Association (ID#:103309)
- vii. Fellow Member of WFO. (ID number -14309246)
- viii. Life member of Indian Dental Association. (R.No.02203).
- ix. Member of National Academy of Medical Sciences, (India).
- x. Member of International Association of Dental Research. (2330145)



DEPARTMENT OF ENT

Name of the Department	Otorhinolaryngology Head & Neck Surgery
Head of the Department	Dr. Vaibhav Saini

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Vaibhav Saini	Associate Professor	20/12/2019
2.	Dr. Vikasdeep Gupta	Assistant Professor	26/11/2019
3.	Dr. Nikhil Rajan	Assistant Professor	16/11/2021

2. Brief Introduction of the department:

We, at the Department of ENT, Head and Neck Surgery strive to provide state of the art clinical and surgical care to patients suffering from diseases of the ear, nose, throat, head and neck, including cancers. Our mission is to serve as the apex tertiary care facility for patients from all nearby areas and states, to provide them timely care with utmost precision, dedication, compassion, and empathy. The Department also aims to train both postgraduate and undergraduate students with strong clinical skills, scientific outlook, and research exposure to nurture them as future leaders of the healthcare ecosystem. It is our humble mission to conduct ethically sound research that translates into preventive care, innovative cures, and out of the box solutions to reduce ENT disease incidence in the community we serve. Currently we train one batch of undergraduate students and two postgraduate students per year.

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

Number of Papers presented in National Conference - 4

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr Vaibhav Saini	Management of Facial Wounds	Woundcon 2022 5 th -7 th November 2022	Indian Society of Wound Management
		Complications of FESS	RHINOCON,2022 7-9 October 2022	Rhinology Society of India
2	Dr Vikasdeep Gupta	Functional endoscopic sinus surgery	RHINOCON,2022 7-9 October 2022	Rhinology Society of India
		Sinovial sarcoma of the head and neck	FHNO November 2022	FHNO

4. Faculty Achievements –Awards, Honours etc.

Sl No	Name of faculty	Award/honour	Event	Organised by
1	Dr Vaibhav Saini	Prestigious Senior Consultant Award Paper	Annual Conference of Association of Otolaryngologist of India Punjab Chapter 2023.	Association of Otolaryngologists of India



5. 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. Vaibhav Saini Associate Professor	Prevalence of Otological disorders among school going children	Nil	Ongoing	Nil
2.	Dr. Vaibhav Saini Associate Professor	Neuropsychiatric adverse effects of Monteleukast therapy in Allergic rhinosinusitis patients	Nil	Ongoing	Nil
3.	Dr. Vikasdeep Gupta, Assistant Professor	Cervicogenic vertigo: Multidisciplinary assessment and evaluation	Nil	Ongoing	Nil
4.	Dr. Vikasdeep Gupta, Assistant Professor	Age Related Hearing impairment: Association of Demography, Quality of life and cognitive impairment	Nil	Ongoing	Nil

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

a) Detail of Paper published with indexing database (2022-2023)

- 1) Ponnaiah M, Ganesan S, Bhatnagar T, Thulasingham M, Majella MG, Karuppiah M, Rizwan SA, Alexander A, Sarkar S, Kar SS, Kadiravan T, Bhatnagar A, S PK, Pillai VM, Nair PP, Dhodapkar R, Ch Toi P, Singh R, Kasthuri N, Kumar GCP, Jaisankar S, Saini V et al. Hyperglycemia and steroid use increase the risk of rhino-orbito-cerebral mucormycosis regardless of COVID-19 hospitalization: Case-control study, India. PLoS One. 2022 Aug 8;17(8):e0272042.
- 2) Saini V, Gupta N, Mohan A, Gupta V, Kolluru K. Osteitis Fibrosis Cystica: Classical Case Report of an Uncommon Presentation in a Young Female. Indian J Otolaryngol Head Neck Surg. 2022 Dec;74(Suppl 3):5319-5323.
- 3) Gupta V and Sharma V. "Covid Associated Mucormycosis: What do we Know Till Now?". Acta Scientific Otolaryngology 4.4 (2022): 70-74.
- 4) Khara U, Kapatia G, Gupta V, Kaur M. Cytological and histopathological features of recurrent calcifying aponeurotic fibroma of neck in an adolescent male- rare presentation of a rare tumour. Diagnostic Cytopathology. 2023;51(6):E195-E198.
- 5) Jindal A, Kapatia G, Rana MK, Rajan N, Khara U. Fine Needle Aspiration Cytology of Maxillary Ameloblastoma: A Cytological Eye-Opener. J Cytol. 2023 Jan - Mar;40(1):49-50.

b) Detail of Book published with indexing database*

- 1) Gupta V. *et al.* Otorhinolaryngology Practice in COVID Pandemic. In: Clinics in COVID Pandemic Century Publications, New Delhi.

7. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Name	Research Papers	Book/ Book Chapter	i10 index	H index
Dr Vaibhav Saini	15	1	0	2
Dr Vikasdeep Gupta	15	1	0	2
Dr Nikhil Rajan	13	Nil	0	2

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

a. Training activities conducted, surgeries, camps, etc.

- i. Organised a CME for Post Graduate Students under the Guidance of Prof N K Panda
- ii. Organised a workshop for scientific paper writing as a member Secretary of the Institutional Research Cell.
- iii. Organised a free ENT camp in village Sangat on the occasion of World Hearing Day in March 2023.
- iv. Organised Free ENT check-ups on the occasion of World Hearing Day 2023 for Traffic Police personnel in collaboration with the Punjab State Police Department.

b. Number of Workshop Organized*- 1

c. Number of Thesis Supervised MD/MS* 1

d. Any other achievement 2

8. New patient care services started in the Department

a. Coblation assisted surgeries for adenotonsillectomy, sinonasal tumors and laryngeal lesions

The department has initiated coblation assisted surgeries for adenoidectomy, tonsillectomy, sinonasal tumors and laryngeal lesions. This reduces the intra-operative bleeding and enhances recovery.

b. Emergency rigid bronchoscopy

We have initiated emergency rigid bronchoscopy services, which can be life-saving in case of airway foreign bodies.



From the health camp organised for police personnel in connection with world hearing day celebrations



ENT and Anaesthesia team with the Honourable MS and Dean after completing 4 cases of CSF rhinorrhea repair in a week



DEPARTMENT OF GENERAL MEDICINE

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

1. Faculty Details:

S.No	Name of faculty	Designation	Date of Joining
1.	Dr. Preeti Singh Dhoat	Associate Professor	07-12-2019
2.	Dr. Amandeep Kaur	Assistant 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

2. Brief Introduction of the department:

- (a) **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.
- (b) **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.
- (c) **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.
- (d) **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.
- (e) **SPECIAL CLINICS:**
 - i. Fibro scan and liver clinic
 - ii. Diabetes clinic
 - iii. Hypertension clinic
 - iv. Rheumatology clinic
- (f) Undergraduate Theory teaching classes of the second year, third year and final year students were taken since the beginning of their session as per the roster.
- (g) 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.
- (h) PG students were enrolled in this session. PG teaching in the form of case presentations, seminars and journal clubs were conducted during the academic session as per the roster.
- (i) **Future plan of the department:-**
 - i. The department of General Medicine plans to start fellowship courses in Infectious diseases, Tropical diseases and Critical Care medicine
 - ii. The department of General Medicine plans to upgrade the ICU services
 - iii. 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 hour



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

S.No	Name of faculty	Title, Topic, Details of the Event, Organised by
1.	Dr. Preeti Singh Dhoat	<ul style="list-style-type: none"> (a) Program Team Lead ACP India Case Files 30th Jan 2023. (b) Moderator and Program Team Lead ACP India Case Files 28th Feb (c) Moderator and Program Team Lead ACP India Case Files 28th March (d) Scientific committee member- 2nd Pathological update CME and ISHBT National Hematology Quiz 23rd Aug 2022 (e) National Faculty- WOUNDCON 22- AIIMS Bathinda, 5-7 November 2022, organized by department of Burns And Plastic Surgery. (f) Speaker Delivered a lecture in the prestigious MAPICON (MALWA BRANCH API) 2022 on the topic Updates on Vitamin D. (g) Speaker-National Faculty MAPICON Bathinda, 2022 on New Revolution in Lipid Management. (h) Speaker- Antimicrobial Stewardship, WOUNDCON 22- AIIMS Bathinda, 5-7 November 2022 (i) Speaker- Treatment strategies of infected wound, WOUNDCON 22- AIIMS Bathinda, 5-7 November 2022. (j) Speaker- keynotes address Reducing Prescription Error and Improving Monitoring INER (Institute Of Nursing Education And Research) AIIMS Bathinda (23-9-2022) (k) Speaker- Pharmacovigilance week 2022, An overview of Pharmacovigilance in General medicine, 17 Sep - 23 Sep 2022 (l) Speaker-Sensitization Meeting for sentinel surveillance Sites of Zoonosis, Topic Clinical Diagnosis and Challenges of zoonotic diseases in medicine. (m) Speaker -case report on long covid syndrome under Project ECHO AIIMS Bathinda
2.	Dr. Amandeep Kaur	<ul style="list-style-type: none"> (a) 1st Thalassaemia Conclave-2022 was conducted by the department of Pathology in collaboration with department of Pediatrics' and Medicine at AIIMS Bathinda on 20 May 2022 and acted as an organizing committee member for this event. (b) Panel Discussion on 'Advanced Medicine Compassionate Care' was conducted for the senior citizens forum of Bathinda at AIIMS Bathinda on 12th July 2022 and was one of the panelists in this event. (c) Moderator for ACP Case Files India Chapter on 30th January 2023 with eminent speakers discussing two topics- Thyrotoxic periodic paralysis and Medico legal pitfalls in daily practice (d) Delivered a lecture in the prestigious MAPICON (MALWA BRANCH API) 2022 on the topic Neurocysticercosis
3.	Dr. Niket Verma	<ul style="list-style-type: none"> (a) Invited as Faculty to conduct a session titled 'Is OSCE the way forward in Medical Education?' at the ICP-CME of the 77th Annual Conference of the Association of Physicians of India (APICON-2022 Jaipur) on 14 April 2022 (b) Moderator of a Panel Discussion on 'Advanced Medicine Compassionate Care' and delivered the keynote address on



		<p>'Common health problems in Geriatric Population' at AIIMS Bathinda on 12th July 2022</p> <p>(c) Invited as Faculty to conduct a session titled 'Simulation Based Medical Teaching: Good or Bad?' at the 9th Annual Conference of the Association of Physicians of India (Malwa Branch) MAPICON 2022 on 15 September 2022</p> <p>(d) Invited as Faculty to conduct a session titled 'Preventing ASCVD in Diabetes' at the 30th Annual Conference on Diabetes DIABCON 2022 on 17 September 2022</p> <p>(e) Invited as Faculty to conduct a workshop on 'How to bring life to paper cases: Case based Learning' at the 13th National Conference on Health Professions Education (NCHPE) at SRHU Dehradun on 31 October 2022</p> <p>(f) Judged the e-poster session at the 13th National Conference on Health Professions Education (NCHPE) at SRHU Dehradun 31 October-03 November 2022</p> <p>(g) Invited as National Faculty to conduct a session titled 'Simulation Based Teaching in Wound Care' at the 24th Annual Conference of the Indian Society of Wound Management WOUNDCON 2022 at AIIMS Bathinda on 06 November 2022</p> <p>(h) Invited as Faculty at the 16th North Zone Post Graduate Pulmonary Update 2022-23 at VMMC and Safdarjung Hospital on 03-04 December 2022</p> <p>(i) Invited as Resource Faculty to conduct an online faculty development programme on 'Competency Oriented Medical Education – Need of the Hour?' for faculty members of AIIMS Bilaspur, Himachal Pradesh on 23 January 2023</p> <p>(j) Invited as Faculty to conduct a session titled 'Evolutions and Revolutions in Medical Education' at the ICP-CME of the 78th Annual Conference of the Association of Physicians of India (APICON-2023 Gandhinagar) on 26 January 2023</p> <p>(k) Chaired a session titled 'What Physicians should know' at the 78th Annual Conference of the Association of Physicians of India (APICON-2023 Gandhinagar) on 27 January 2023</p> <p>(l) Invited as Resource Faculty for the 1st Faculty Workshop on Medical Education Technologies at AIIMS Bilaspur, Himachal Pradesh on 15-16 March 2023</p>
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4. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1.	Dr. Preeti Singh Dhoat	Women Educator of Year Award 2022	Vishakhapattnam- 19 th November 2022	7 th Annual Conference of ACP India chapter IM ACP India 2022
2.	Dr. Amandeep Kaur	Award of Excellence general medicine	Society of scientific research and studies -2022	Society of scientific research and studies - 2022



5. 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. Preeti Singh Dhoat	1. To Analyze the clinical profile of COVID-19 positive patients associated comorbidities, outcome & follow up of the patients for post COVID sequela at tertiary care center in north India.	Principal Investigator	Non-Funded	Ongoing	
		2. To study the association of QTc interval and QTd dispersion in patients with uncomplicated metabolic syndrome.	Co-PI	Non-Funded	Ongoing	
		3. Epidemiology and genetic diversity of Rickettsia pathogen causing human infection in Punjab and Chandigarh.	Co-PI	Non-Funded	Ongoing	
		4. A study to evaluate mental health outcomes among COVID-19 in patients at a tertiary care hospital in Punjab.	Co-PI	Non-Funded	Ongoing	
		5. A prospective study to evaluate Anemia Disease burden in Geriatric patients at a tertiary care Centre in Punjab.	Co-PI	Non-Funded	Ongoing	
		6. Health related quality of life in patients with Epilepsy receiving Anti-Epileptic drugs in a tertiary care teaching hospital in north India: A cross sectional study.	Co-PI	Non-Funded	Ongoing	



	7. To study the prevalence, pattern, clinical spectrum, and demographic profile of congenital birth defects in a Tertiary care hospital in north India.	Co-PI	Non-Funded	Ongoing	
	8. To study the correlation between Non-Alcoholic Fatty Liver Disease and Dyslipidemia at a tertiary care center in north India	Principal Investigator	Non-Funded	Ongoing	
	9. Case of ambulatory care of diabetes and pathway of care among adult and diabetic patients in tertiary care institute of North India	Co-PI	Non-Funded	Ongoing	
	10. Assessment of cognitive functions in obesity psycho-biochemical evidences.	Co-PI	Non-Funded	Ongoing	
	11. 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.	Co-PI	FUNDED ICMR	Ongoing	
	12. Association of symptoms with eating habits and food preferences in Gastritis patients- A cross sectional study.	Co-PI	Non-Funded	Ongoing	
	13. Pancytopenia: A clinicopathological analysis at tertiary care centre in North India.	PI	Non-Funded	Ongoing	
	14. Project Submitted: To study the prevalence and spectrum of	Co-PI		Ongoing	



	hemoglobinopathics in the region of Punjab				
	Extramural Projects:				
	1) National Stroke registry programme: Hospital based stroke Registry (HBSR)- ICMR	Co-PI	Non funded	Result awaited	Rs 50,000 0
	2) Assessment of obesity profile of chronic kidney disease biomarkers in prediabetes and early diabetes mellitus: A pilot study	Co PI	Funded ICMR, STS	Result awaited	
	3) Factors associated with sudden deaths among adults aged 18-45 years, India; multicentric matched case control study. ICMR National Institute Of Epidemiology.	PI	Funded ICMR		Rs. 12 lakh
	4) Genetic, epigenetic, environmental, and biochemical investigations to understand the etiology and pathology of celiac disease.	Co-PI	ICMR		Rs 18 lakh
	5) To assess the beneficial effect of growth hormone therapy in elderly individuals with chronic congestive heart failure	Co-PI	NOHPPCZ		
	Regional coordinating centre and sentinel surveillance centre under National One Health Programme for prevention and control of zoonoses	Co- PI			
	10) Genetic, epigenetic, environmental, and biochemical investigations to understand the etiology and pathology of celiac disease				



2.	DR. AMANDEEP KAUR	Genetic, epigenetic, environmental, and biochemical investigations to understand the etiology and pathology of celiac disease. -	Extramural	ICMR	Applied	
		Research study on integration of screening and treatment of mental disorders with NCDs	Extramural	ICMR	Applied	
		To study the association of Qtc interval and Qtd dispersion in patients with uncomplicated metabolic syndrome	Chief Investigator	Non-Funded	Ongoing	
		Prevalence of chronic mesenteric ischemia in T2DM patients in north India: a hospital based cross sectional study	Chief Investigator	Non-Funded	Ongoing	
		Knowledge, Awareness, and determinants of medication adherence in hypertensive patients: A hospital based cross sectional study in North India	Chief Investigator	Non-Funded	Ongoing	
		To evaluate the efficacy of new hematological parameters for screening of the chronic obstructive pulmonary disease patients in tertiary care hospital	Co – Investigator	Non-Funded	Ongoing	
		Predicting 10year cardiovascular risk using WHO/ISG risk prediction chart in patients visiting AIIMS Bathinda	Co – Investigator	Non-Funded	Ongoing	
		Oral health status and oral health related quality of life in patients with metabolic syndrome a cross sectional study	Co – Investigator	Non-Funded	Ongoing	
		Impact of BLS Training on 1 st year MBBS students	Co – Investigator	Non-Funded	Ongoing	
3.	Dr. NIKET VERMA	Perceptions and knowledge among CMCL-FAIMER fellows after attending a one-month online discussion on Simulation Based Teaching	Principal Investigator	Non-Funded	Ongoing	



		Needs assessment of a formal online mentoring programme for MBBS students: a multicentric study	Co – Investor	Non-Funded	Ongoing	
		A clinical study of cardiac autonomic neuropathy and QT dispersion in patients with metabolic syndrome	Co – Investor	Non-Funded	Ongoing	
		Plasma d-dimer level as a biomarker for assessing liver dysfunction in patients with liver cirrhosis: a cross sectional study	Co – Investor	Non-Funded	Ongoing	
		Participant perception of faculty development workshops conducted as part of the Training the Trainers series at AIIMS Bathinda	Co – Investor	Non-Funded	Ongoing	
4.	DR. DEEPAK CHAUDHARY	Guide for STS project for the year 2022-23 submitted for the year 2023-24 “Awareness & Acceptance of artificial sweetener in cases of Uncontrolled Diabetes Mellitus” Co-Investigator for Yoga Care HF Trial Bathinda site Co-Investor for TOPSPIN trial (Treatment Optimisation for Blood Pressure With Single-Pill Combinations in India (TOPSPIN))	Guide Co-Investigator Co-Investigator		Ongoing	
5.	Dr. Maninder Kansal	Co-Investor for TOPSPIN trial (Treatment Optimisation for Blood Pressure With Single-Pill Combinations in India (TOPSPIN))	Co-Investor	ICMR	Ongoing	
		Co-Investor for Plasma d-Dimer level as a biomarker for assessing liver dysfunction in patients with liver cirrhosis: A cross-sectional study			Ongoing	



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

S.No.	List of Papers in Vancouverstyle	Type of paper (Original article/ review / case report/ editorial)	Impact Factor
1.	Kaur A , Madhukar M, Dhoat P , Kaur N. Anthropometric indices and its association with hypertension in Indian population: study from tertiary care centre of North India. J Pharm Bioall Sci 2023;15:S312-4.	Original article	1.939
2.	Dhoat P , Kaur A , Verma N , Jain D. Hashimoto's Encephalopathy versus Catatonia: A Diagnostic Dilemma. J Family Med Prim Care 2023;12:400-2	Case report	1.5
3.	Kaur A , Dhoat PS . Heart Rate Corrected QT Interval and QT Dispersion in Patients with Uncomplicated Essential Hypertension. J Assoc Physicians India. 2022 Apr;70(4):11-12	Original article	0.44
4.	Dhoat P , Dhoat N , Kaur A . COVID clinical epidemiology: Indian Perspective. International Journal of Medical Science in Clinical Research and Review. 2022; 5(05): 327-332.	Original article	
5.	Dhoat PS , Kaur A , Verma N , Kansal M , Chaudhary D , Jain D, Garg H, Samal S, Singh A. A case report of adult onset of Still's disease. Indian Journal of Applied Research. 2022;12(12):54-57	Original article	1.19
6.	Dhoat P , Dhoat N , Kaur A . Fibroscan-based score to predict liver fibrosis in patients with liver disease and its correlation with anthropometric measurements. International Journal of Medical Science in Clinical Research and Review. 2022; 5(05): 585-592.	Original article	
7.	Dhoat PS , Dhoat NS , Kaur A . Post COVID complications in patients admitted to a tertiary care hospital in Northern India: A Prospective study. Indian Journal of Applied Research, Feb 2023;12(2):25-26	Original Article	6.004
8.	Bansal A , Dhoat PS , Rana MK , Dhoat NS . Etiology and trends of presentation of cirrhotic phase of chronic liver disease in a tertiary care referral hospital in North India. e.doi: 10.7759/Cureus.	Original article	
9.	Maheshwari A , Dhoat PS . Use, Safety and Adverse effect of Thiazolidinediones- A Review. World Journal Of Pharmaceuticals Research, 2023;12(12): 111-119	Original Article	8.084
10.	Divya KP , Parneet Hari , Navjot Kanwar , Preeti singh Dhoat , Lu Liu ⁶ , Abhinav Kanwal , Shailendra Pratap Singh* . The role of the gut microbiome and the hepatic axis in the pathogenesis of metabolic syndrome and therapeutics. Advanced Gut & Microbiome Research	Original Article	Accepted for publication
11.	Kaur A , Madhukar M, Dhoat P , Kaur N. Anthropometric indices and its association with hypertension in Indian population: study from tertiary	Original article	0.8



	care centre of North India. J Pharm Bioall Sci 2023;15:S312-4.		
12.	Kaur A , Kaur N, Madhukar M. Assessment of corrected QT interval and QT dispersion in patients with uncomplicated Metabolic syndrome. J Pharm Bioall Sci 2023;15:S1097-100.	Original article	0.8
13.	Kaur A , Poonia S, Singh K, Kaur D, Madhukar M, Godara R. Cytomorphological spectrum of head and neck lesions by fine needle aspiration cytology in a tertiary care center. J Pharm Bioall Sci 2023;15:S315-7.*	Original article	0.8
14.	Sahoo SS, Kaur N, Kaur A , Garg S. Lymphadenopathy subsequent to Covishield (ChAdOx1 nCoV-19) Corona virus vaccine: ultrasound findings and clinical implications. Therapeutic Advances in Vaccines and Immunotherapy. 2022 ;10:1-10.	Original article	0.7
15.	Kaur A , Kaur N, Monga S, Madhukar M. Renovascular complications in Covid19: A Systematic review. International Journal of Early Childhood Special Education.2022; 14(3):9940-9945.	Systematic review	0.78
16.	Poonia S, Singh K , Kaur A , Madhukar M, Kaur D, Godara R. Cytomorphological pattern of thyroid lesions among rural population at a tertiary care institute. Journal of Cardiovascular Disease Research.2022;13(2):639-645.*	Original article	0.15
17.	Dhibar DP, Arora N, Chaudhary D , Prakash A, Medhi B, Singla N, Mohindra R, Suri V, Bhalla A, Sharma N, Singh MP, Lakshmi PVM, Goyal K, Ghosh A. The 'myth of Hydroxychloroquine (HCQ) as post-exposure prophylaxis (PEP) for the prevention of COVID-19' is far from reality. Sci Rep. 2023 Jan 7;13(1):378. doi: 10.1038/s41598-022-26053-w. PMID: 36611040; PMCID: PMC9825075.	Original article	
18.	Ashta KK, Arora S, Verma N. Outcomes in HIV patients on two different protease inhibitors on second-line antiretroviral therapy: An observational study. J Mar Med Soc 2022; 24:113-7	Original article	
19.	Batra P, Batra R, Verma N, Bokariya P, Garg S, Yadav S. Mini clinical evaluation exercise (Mini-CEX): A tool for assessment of residents in department of surgery. J Edu Health Promot 2022; 11:253	Original article	
20.	Verma N, Singla K, Toora B, Dixit R. Implementation of an Interactive Teaching Session using 'Snowball Technique' for Introducing 1st Professional MBBS Students to Clinical Correlation in Biochemistry. Journal of the Indian Medical Association. 2023 Aug 8;121(08):32-6.	Original article	
21.	Talukdar T, Verma N, Kishore J, Goyal M, Ish P. Attitude, ethics, and communication skills (AETCOM) training of young doctors for COVID-19: An Indian perspective. Indian J Med Spec 2022;13:205-7	Case Report	
22.	Pathak A, Singh GP, Verma N. Advanced Compassionate Care for the Geriatric Population in India. The Primary Care Companion For CNS Disorders. 2023 Jun 13;25(3). doi:10.4088/pcc.22br03389	Case Report	



4. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

S.No.	Faculty Name	Research papers	Book/Book chapter	i10 index	H index
1.	Dr. Preeti Singh Dhoat	07	3	2	3
2.	Dr. Amandeep Kaur	08	1	0	2
3.	Dr. Niket Verma	07	4	3	4
4.	Dr. Maninder Kansal	01	0	0	1
5.	Dr. Deepak Chaudhary	02	0	0	1

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

- (a) 'Free Neuropathy Camp' conducted by the department of Medicine at AIIMS Bathinda on 18 April 2022.
 - (b) CME on 'World Asthma Day - 2022' with the theme Closing gaps in Asthma care was conducted at AIIMS Bathinda on 06 May 2022. Eminent speakers delivered lectures on the topics.
 - (c) 1st Thalassaemia Conclave-2022 was conducted by the department of Pathology in collaboration with department of Pediatrics' and Medicine at AIIMS Bathinda on 20 May 2022
 - (d) Panel Discussion on 'Advanced Medicine Compassionate Care' was conducted for the senior citizens forum of Bathinda at AIIMS Bathinda on 12th July 2022.
 - (e) 'Hepatitis Awareness Week' conducted at AIIMS Bathinda from 28 July – 03 August 2022 with activities of patient awareness conducted in the department on 28 July, hepatitis screening camp in the department of medicine on 1st Aug and e poster competition on 3rd August.
 - (f) CME on 'Hospital Infection Control' was conducted at AIIMS Bathinda in collaboration with department of Microbiology and pharmacology under the aegis of Infection Control Committee on 12 August 2022 with lectures delivered on Infection control and hand hygiene, antimicrobial stewardship program, waste disposal and environmental protection.
 - (g) 'Dengue Awareness Day' conducted at AIIMS Bathinda on 06 October 2022.
 - (h) 'Clinical Updates' conducted at AIIMS Bathinda on 07 October 2022.
 - (i) Awareness week was observed by the department of General Medicine with awareness and free screening camps organized as-
 - i. Diabetes awareness and free RBS Camp on 19th December
 - ii. Geriatric diseases and free bone densitometry camp on 20th December
 - iii. IBS awareness camp along with free screening on 21st December
 - iv. Neuropathy awareness and screening camp on 22nd December and 24th December
 - v. Gout and free uric acid camp on 25th December
- (a) Anemia Awareness camp was organized on 15th November 2022 under the project IRIS under the aeges of ACP India chapter in the department of General Medicine.
 - (b) ACP Case Files India Chapter on 30th January 2023 with eminent speakers discussing two topics- Thyrotoxic periodic paralysis and Medico legal pitfalls in daily practice by Dr Manish Chandey and Dr Akhilesh Pathak.
 - (c) Number of Thesis Supervised MD/MS- 02 (undergoing)

8. OTHER IMPORTANT HIGHLIGHTS



1ST THALASSEMIA CONCLAVE-2022



'WORLD ASTHMA DAY - 2022'



DEPARTMENT OF GENERAL SURGERY

Name of the Department	General Surgery
Head of the Department	Dr Mahendra Pratap Singh

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Mahendra Pratap Singh	Additional Professor	11-04-2022
2	Jaspreet Singh Shergill	Assistant Professor	20-12-2019
3	Harmandeep singh Jabbal	Assistant Professor	23-08-2021
4	Amrit Pal Singh Rana	Assistant Professor	21-08-2021

2. Brief Introduction of the department:

Department of General Surgery aims to become a centre of excellence by transforming next generation medical professional with a value and leadership by providing required education, research, skills and an approach toward a holistic surgical care to the patients.

Since inception in the year 2019, the department has been providing state of the art healthcare, teaching, training and research related activities and progressing rapidly under the untiring guidance and visionary leadership of our current Executive Director Professor Dr DK Singh. Patients requiring surgical care for their traumatic or non-traumatic emergencies, benign or malignant elective conditions, the department is providing advance services both in minimally invasive and open surgical approach round the clock and gaining popularity related to gastro-intestinal, colorectal, hepato-biliary, hernias, breast and endocrine, thoracic, peripheral vascular surgery. The department is also providing vascular access and CAPD procedures in patients waiting for renal transplant. The Department of general surgery acts like parent in supporting other sub-specialities of the institute

The department is running teaching and training program for the academics' undergraduate (MBBS) post-graduate (MS) General Surgery students and senior residents. The department also supports various para-medical and nursing courses run by the institute.

Many well-designed research trials including an ICMR STS project are undergoing in the department involving all the core areas like Trauma care, breast cancer survival, minimally invasive surgeries, diabetic foot and surgical site infection. Faculty have presented their work in many national and international conferences and published research in reputed peer-reviewed medical journals.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Mahendra Pratap Singh	Surgical fixation of chest wall in management of chest trauma	Thoracic Surgery 2023	AIIMS Delhi
National conferences				
1.	Mahendra Pratap Singh	Diabetic foot management	WOUNDCON 2022	AIIMS Bathinda
2.	Mahendra Pratap Singh	Management of varicose vein ulcer	WOUNDCON 2022	AIIMS Bathinda
3.	Jaspreet Singh Shergill	Physiology of wound healing	WOUNDCON 2022	AIIMS Bathinda
4.	Jaspreet Singh Shergill	Care of colostomy	WOUNDCON 2022	AIIMS Bathinda
5.	APS Rana	Breast cancer: Epidemiology and risk	Preventive oncology-	AIIMS Bathinda



		factors management and evaluation of breast lump	ECHO Programme	
6.	Mahendra Pratap Singh	Chairperson Trauma 2022	Asian Trauma Congress 2022	AIIMS Delhi
7.	Mahendra Pratap Singh	Chairperson Minimal Invasive Surgery for Hepatobiliary Diseases	Annual Day & CME in Surgery – 2022	AIIMS Delhi

5. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1.	Harmandeep Singh Jabbal	FALS Bariatric & Metabolic Surgery	FALS 2022	IAGES
2.	Jaspreet Singh Shergill	FACS	Clinical Congress ACS 2022	ACS
3.	Jaspreet Singh Shergill	FIAGES	IAGES 2022	IAGES

6. Research activities undertaken in the departments

S.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Mahendra Pratap Singh - Guide	Evaluation of trauma patients experience in a tertiary care centre of North India	ICMR STS	ongoing	50000
2	Mahendra Pratap Singh – Co-PI	Impact of multipronged interventions targeting healthcare professionals in reducing surgical site infections and identifying the challenges in adoption of these interventionsAn implementation research	ICMR	ongoing	1.5 Cr
Projects submitted					
1	Mahendra Pratap Singh - PI	“A Randomized controlled study comparing the outcomes of surgical rib fixation to standard care in adult patients with severe non-flail rib	ICMR	Under review	50 Lakhs



		fractures following blunt trauma			
2	Mahendra Pratap Singh - PI	“Identification of biomarkers in the development of Diabetic Foot in T2DM patients based on Genetic, Epigenetic, Immunological and Metabolic evaluation: An Observational Study”	ICMR	Under review	50 Lakhs
3	Mahendra Pratap Singh – Hospital Lead	Global Evaluation of Cholecystectomy Knowledge and Outcomes (GECKO) A global prospective cohort study on cholecystectomy	International Collaborative	Ongoing	
4	Mahendra Pratap Singh	a randomized controlled trial to evaluate the effect of structured training with surface EMG to improve the ergonomic stress in Laproscopic procedures in surgical residents.	Intramural	Ongoing	
5	Dr APS Rana - Co PI	Evaluate association of Human papilloma virus infection in breast cancer in Malwa region of Punjab	Intramural	Ongoing	

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

a. Papers:

- i. **Singh MP**, Huda T. Mucocele of the Appendix: A Presentation. Surg J (N Y). 2022 Sep 19;8(3):e215-e218.
- ii. Jindal A, Kapatia G, Rana MK, **Singh MP**. Lymphocytic emperipolesis in breast carcinoma on cytology smears-A curious finding! Cytopathology. 2023 Sep;34(5):510-511.
- iii. Bains MS, Nar AS, **Jabbal HS**, Mishra A, Mishra A, Sharma P. A prospective study of 'circumferential purse-string approximation' vs. primary linear skin closure in stoma reversal. Pan Afr Med J. 2022 Aug 17;42:287.
- iv. Mishra A, **Jabbal HS**, Nar AS, Mangla R. Analysis of 'enhanced-view totally extra-peritoneal' (eTEP) approach for ventral hernia: Early results. J Minim Access Surg. 2023 Jul-Sep;19(3):361-370.



- v. Peer S, **Jabbal HS**, Singh P, M PS, Kakkera S, Bhat P. A case report of successful percutaneous aspiration, injection, and re-aspiration (PAIR) technique for treatment of retrovesical pelvic hydatid cyst. Radiol Case Rep. 2022 Nov 15;18(1):331-334.
 - vi. Rana MK, **Rana APS**, Sharma U, Barwal TS, Jain A. Evolution of Frozen Section in Carcinoma Breast: Systematic Review. Int J Breast Cancer. 2022 May 23; 2022:4958580
 - vii. Rana MK, **Rana APS**, Jain A, Pathak A, Khera U Sr, Sharma U, Jindal A, Singh K. Standardization of Manual Method of Immunohistochemical Staining for Breast Cancer Biomarkers at Tertiary Cancer Care Center: An Audit. Cureus. 2022 Jun 8;14(6):e25773. doi: 10.7759/cureus.25773. PMID: 35702640; PMCID: PMC9178285.
- b. **Book/ Chapter:**
- i. **Shergill JS**. Cutis Verticis Gyrata. Clinical Features, Diagnosis and Management Print ISBN:978-81-19315-85-7

8. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

S.No.	Faculty	Research Paper	Book/Chapter	i10 index	H index
1.	Mahendra Pratap Singh	2	-	3	5
2.	Jaspreet Singh Shergill	-	1	-	1
3.	Harmandeep Singh Jabbal	3	-	-	1
4.	APS Rana	2	-	4	5

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

Number of Workshop Organized: 4

- (a) Acute Critical Care course: Oct 2022
- (b) CME: Renal transplant: Oct 2022
- (c) CME: Surgical skill Lab: Dec 2022
- (d) CME: Liver Transplant 31 March 2023

10. Training activities:

- (a) Equipment Handling Training for Paramedical & OT staff
- (b) Surgical Skill Lab Training for Residents

Number of Thesis Supervised MD/MS: 5

S.No.	Faculty	Guide	Co-Guide
1.	Mahendra Pratap Singh	1	2
2.	Jaspreet Singh Shergill	1	2
3.	Harmandeep Singh Jabbal	-	1
4.	APS Rana	-	1

11. Any other achievement:



GeneralSurgery/01



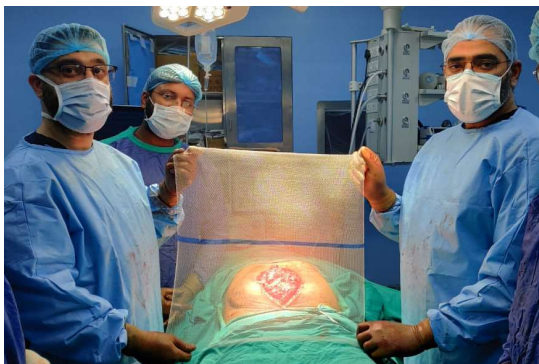
GeneralSurgery/02



GeneralSurgery/03



GeneralSurgery/04



GeneralSurgery/05



GeneralSurgery/06



GeneralSurgery/07



GeneralSurgery/08



GeneralSurgery/09



GeneralSurgery/10



DEPARTMENT OF HOSPITAL ADMINISTRATION

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

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr. Moonis Mirza	Assistant Professor	01 – 11 – 2019
2.	Dr. Purshottam H	Assistant Professor	25 – 04 - 2022

2. Brief Introduction of the department:

The Department of Hospital at AIIMS Bathinda has undertaken various initiatives and made significant contributions. In 2023, they initiated an MBA program in Hospital Administration in collaboration with Maharaja Ranjit Singh Punjab Technical University, with seven students currently undergoing training. The department conducts regular classes for these MBA students and places them in different hospital areas for administrative training, enhancing hospital services.

Dr. Moonis Mirza has been entrusted with the additional role of Deputy Medical Superintendent for OPD and Medical Superintendent Office, while Dr. Purshottam H takes charge of Emergency and IPD services, both contributing actively to the hospital's daily operations.

Dr. Moonis Mirza, as the Nodal Officer for AB-PMJAY, ensures 24/7 services for Ayushman Beneficiaries, with a reimbursement of Rs 7.39 Crores received for the financial year 2022-23. He also oversees Manifold services for a continuous supply of medical gases, manages housekeeping, and handles biomedical waste management. Additionally, he is responsible for setting up a section to maintain medical records and oversees OPD and IPD registration counters.

Dr. Purshottam H, as Deputy Medical Superintendent, has facilitated the launch of round-the-clock Emergency and Inpatient services, further enhancing the hospital's comprehensive healthcare offerings.

Department of Hospital will be starting round the clock Patient Control Rooms Services that will be manned by the Residents of Hospital Administration for ensuring all the areas of the Hospital are functioning round the clock and patient related grievance are addressed.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Purshottam H	Role of Technology in sustainable Healthcare Practices	Sustainable Business practices and technological innovation in disruptive era	Maharaja Ranjit Singh Punjab Technical University, BATHINDA
National conferences				
1	Dr. Purshottam H	Introduction to Healthcare Artificial Intelligence	National Conference on Hospital Administration – Safe and sustainable Hospital (SASH)	AIIMS Bhubaneshwar



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

S.No	Paper Published Title	Journal	Authorship	CITED BY	YEAR
1	(Dr. Moonis Mirza) India's Multi-Sectoral Response to Oxygen Surge Demand during COVID-19 Pandemic: A Scoping Review; Moonis Mirza, Madhur Verma, 1 et al.; Indian J Community Med. 2023 Jan-Feb; 48(1): 31-40.	Indian Journal of Community Medicine	First Author		2023
2	(Dr. Moonis Mirza) Barrier-Free Healthcare Design for Patients with Disabilities; M Mirza, T Goyal, L Goyal; A Guide to Hospital Administration and Planning Springer Nature, 251-266	A Guide to Hospital Administration and Planning Springer Nature	First Author	1	2023
3	(Dr. Moonis Mirza) Client satisfaction with telemedicine services during COVID-19 pandemic: a cross-sectional survey from a teaching institute of North India; J Aneja, T Goyal, M Verma, G Kaur, M Mirza, S Gupta; Journal of Family Medicine and Primary Care 11 (9), 5187	Journal of Family Medicine and Primary Care Wolters Kluwer--Medknow	Co Author	1	2022
4	(Dr. Moonis Mirza) Global investments in pandemic preparedness and COVID-19: development assistance and domestic spending on health between 1990 and 2026; Micah, Angela E et al. The Lancet Global Health, Volume 11, Issue 3, e385 - e413	The Lancet Global Health	GBD Collaborator	60	2023
5	(Dr. Moonis Mirza) Age-sex differences in the global burden of lower respiratory infections and risk factors, 1990-2019: results from the Global Burden of Disease Study 2019; HH Kyu, A Vongpradith, et al.; The Lancet infectious diseases 22 (11), 1626-1647	The Lancet infectious diseases	GBD Collaborator	49	2022
6	(Dr. Moonis Mirza) Adolescent transport and unintentional injuries: a systematic analysis using the Global Burden of Disease Study 2019; AE Peden, P Cullen, et al; The Lancet Public Health 7 (8), e657-e669	The Lancet Public Health	GBD Collaborator	23	2022
7	(Dr. Moonis Mirza) Prevalence, years lived with disability, and trends in anaemia burden by severity and cause, 1990-2021: findings from the Global Burden of Disease Study 2021; GBD	The Lancet Haematology	GBD Collaborator	5	2023



	2021 Anaemia Collaborators; The Lancet Haematology 10 (9), e713-e734				
8	(Dr. Purshottam H) The music playing intervention in a tertiary care Institution in India; Healthcare workers experience	International Journal of Social Psychiatry	Co author		2023

S.No	Chapters Published Title	Journal	Authorship	CITED BY	YEAR
1	(Dr. Moonis Mirza) Barrier-Free Healthcare Design for Patients with Disabilities; M Mirza, T Goyal, L Goyal; A Guide to Hospital Administration and Planning, 251- 266	A Guide to Hospital Administration and Planning Springer Nature	First Author	1	2023
2	(Dr. Moonis Mirza) Administrative Challenges in managing COVID Care Health Facility	Clinics in COVID-19 Century Publications	First Author	1	2023

Dr. Moonis Mirza

- (a) Research papers – 07 (Seven)
- (b) Book/Book chapter – 02 (Two)
- (c) i10 index* - 4
- (d) H index* - 5

Dr. Purshottam K

- (a) Research papers – 01 (One)
- (b) Book/Book chapter – Nil
- (c) i10 index* - Nil
- (d) H index* - Nil

(According to Google Scholar database)

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

Department of Hospital Highlights

- (a) Started MBA (Hospital Administration) at AIIMS Bathinda in collaboration Maharaja Ranjit Singh Punjab Technical University, BATHINDA in Year 2023 with 07 students undergoing Training at AIIMS Bathinda
- (b) Department of Hospital Administration is conducting routine classes for the MBA Hospital Administration Students. The students are posted in various areas of Hospital for Administrative training and addition support to the Hospital Services
- (c) Additional Charge of Deputy Medical Superintendent given to Dr. Moonis Mirza, for OPD and Medical Superintendent Office
- (d) Additional Charge of Dr. Purshottam H for Emergency and IPD services are actively included in routine functioning of the Hospital services

Dr. Moonis Mirza contributions towards the Institute

- (a) As Nodal Officer AB-PMJAY, AIIMS Bathinda ensures the round the clock 24X7 services for Ayushman Beneficiaries. Total reimbursement received for the financial year 2022-23 by SHA is Rs 7.39 Crores against the more than 5000 treated patients under the scheme.

- (b) As Nodal Officer for ABDM, started Scan and share services to ensure that the waiting time of the patient registration is reduced. Addition and dedicated counters for Scan and Share were started
- (c) As DMS OPD services, facilitated the increase of registration counters to match the increased load of patient and attendants
- (d) As Chairperson for Night Shelter, facilitated the start of free of Cost night shelter services for attendants at AIIMS Bathinda
- (e) Maintained a close relationship with District Administration of Bathinda and helped in repair of two-way road from main Highway towards Hospital, thus upgrading from one way road to two-way road towards AIIMS Bathinda.
- (f) As OIC Manifold services ensures the nonstop supply of Liquid medical Oxygen and other compressed medical gases to provide backbone of all OT and hospital inpatient services
- (g) As OIC Housekeeping with a team of around 200 Sanitation staff is working to keep the Hospital Premise Swachha
- (h) As OIC Biomedical Waste Management and solid waste management has done timely MoUs with Punjab Pollution Control Board and Municipal Corporation, Punjab to ensure all the waste in collected and disposed as per rules.
- (i) As OIC Medical Records Section has setup a section to ensure that all the medical records generated at the institution is saved as per rule.
- (j) 10.As OIC OPD and IPD Registration Counters, with a team of around 20 outsources staff, ensures round the clock registration facility in all the area. As OIC sanitation Services, organised Swachhta Pakhwada between September and Oct 2022.

Dr. Purshottam H contributions towards the Institute

- (a) As Deputy Medical Superintendent facilitated the start and Operationalization of Round the clock Emergency services
- (b) As Deputy Medical Superintendent facilitated the start and Operationalization of Round the clock Inpatient services
- (c) Started with NABL Accreditation Program at AIIMS Bathinda



Biomedical Waste management Training program



Introduction of Ayushman Bharat Digital Mission (ABDM) Scan and Share



DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Name of the Department	Obstetrics & Gynaecology
Head of the Department	Dr. Lajya Devi Goyal

1. Faculty Details:

S.no	Name of faculty	Designation	Date of Joining
1	Dr. Lajya Devi Goyal	Professor & HOD	09.11.2019
2	Dr. Priyanka Garg	Associate Professor	22.02.2020
3	Dr. Supriti	Assistant Professor	06.11.2019
4	Dr. Deepika	Assistant Professor	09.12.2019
5	Dr. Balpreet Kaur	Assistant Professor	21.12.2019

2. Brief Introduction of the department:

The department has started with full-fledged Gynae OPD, IPD and operative services, 24X7 labour room facility, gynae endoscopic surgeries. The department has started special clinics for PCOS/Cancer, Infertility and high-risk patients. The department is teaching MBBS batches of 4th semester, 7th semester and 9th semester as per NMC guidelines. The department has started with the Postgraduate course and since then department is actively involved in PG teaching. Department is actively involved in various research activities and received research grant for funded projects from DST, PSCST and NASSCOM foundation. Various workshops and training organised by the department like: Workshop at AIIMS Bathinda, Civil Hospital Bathinda, GGS Medical College Faridkot and trainings at various delivery points at District Bathinda (CHC Bhucho, CHC Nathana, CHC Ghudda, CHC Balluna).

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

S.No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Lajya devi Goyal Prof. & Head	Unusual case presentation in cesarean section.	Unusual case presentation in cesarean section: AICOG Indore:6th April 2022	AICOG Indore
2	Dr. Lajya devi Goyal Prof. & Head	Trouble shooting in Cesarean Section	Trouble shooting in Cesarean Section: Happy Learning master class webinar series: 26/04/22	
3	Dr. Lajya devi Goyal Prof. & Head	Gynecological cancer: faculty Development programme	Gynecological cancer: faculty Development programme Organized by Maharaja Ranjit Singh PTU. Bathinda 08/06/2022	Maharaja Ranjit Singh PTU. Bathinda
4	Dr. Lajya devi Goyal Prof. & Head	Reducing postpartum hemorrhage related mortality using simple innovations	Lecture: on reducing postpartum hemorrhage related mortality using simple innovations at GGS medical college Faridkot Faridkot: 6/09/2022	GGS medical college Faridkot



5	Dr. Lajya devi Goyal Prof. & Head	Menopause and HRT. CME On Menopause the show Stoppers	Lecture: Menopause and HRT. CME On Menopause the show Stoppers; Bathinda Menopause Society; Adesh University: 8/8/2022	Menopause Society; Adesh University Bathinda
6	Dr. Lajya devi Goyal Prof. & Head	Identifying handling complications in Gynae endoscopy	Identifying handling complications in Gynae endoscopy. In CME on Safety and skills in Gynae endoscopy: 20/07/2022. Ludhiana OBGY society FOGSI	Ludhiana OBGY society FOGSI
7	Dr. Lajya devi Goyal Prof. & Head	Surgical Tips and tricks in management of Endometriosis	Surgical Tips and tricks in management of Endometriosis. Regional conference on Enhancing Gynae Endoscopic Skills by Indian Association of gynecological endoscopist. September 10th-11th 2022 Ludhiana	Indian Association of gynecological endoscopist. September 10th-11th 2022 Ludhiana
8	Dr. Lajya devi Goyal Prof. & Head	Fluoride as a risk factor for Preeclampsia	Fluoride as a risk factor for Preeclampsia: Sri Devaraj Urs Academy of Higher Education and Research (A Deemed to be University): National Webinar 17th August 2022	Sri Devaraj Urs Academy of Higher Education and Research
9	Dr. Lajya devi Goyal Prof. & Head	Elimination of cervical Cancer: Role of HPV vaccine and Screening	Elimination of cervical Cancer: Role of HPV vaccine and Screening; 9th Annual conference MAPICON Bathinda 15/09/2022	MAPICON Bathinda
10	Dr. Lajya devi Goyal Prof. & Head	Prevention & management of complications of Gynaecological surgeries	Moderator in panel discussion on "Prevention & management of complications of Gynaecological surgeries at CME on optimising Women health: preventing the preventable at CMC Ludhiana on 26/11/2022	CMC Ludhiana
11	Dr. Lajya devi Goyal Prof. & Head	Genetic counselling in Aneuploidies	Lecture "Genetic counselling in Aneuploidies". CME on	AIIMS Bathinda



			newborn Screening: The Road ahead on 7/12/2022 at AIIMS Bathinda	
12	Dr. Lajya devi Goyal Prof. & Head	Postmenopausal bleeding	Lecture on "Postmenopausal bleeding" on virtual CME and PG teaching Programme -IV organised by MMIMS Mullana in Association with SOGA/Patiala menopausal Society 15-17 Dec 2022	MMIMS Mullana in Association with SOGA/Patiala menopausal Society
13	Dr. Lajya devi Goyal Prof. & Head	Preinvasive Lesions" at CME on Cervical cancer	Lecture on "Preinvasive Lesions" at CME on Cervical cancer: The Deadly Monster" organised by Bathinda Menopausal society & Cancer Nivaran Society at Bathinda on 24/12/2022.	Bathinda Menopausal society & Cancer Nivaran Society Bathinda
14	Dr. Priyanka Associate Prof.	Causes and management of PPH	lecture on "Causes and management of PPH" at Civil Hospital Bathinda: 09/07/22.	Civil Hospital Bathinda
15	Dr. Priyanka Associate Prof.	Uterine balloon tamponade	Delivered a lecture on "Uterine balloon tamponade" in a workshop on Maternal mortality reduction and healthcare interventions at AIIMS Bathinda: 27/7/22	AIIMS Bathinda
16	Dr. Priyanka Associate Prof.	Cervical cancer	Lecture for the training of staff nurses on Cervical cancer screening in collaboration with CHAI Foundation: 10/10/22	CHAI Foundation
17	Dr. Supriti Assistant Prof.	Role play & skit on contraception in lactating women	Webinar with FOGSI family welfare committee, up, Punjab, haryana HIMACHAL PRADESH & Jammu societies. On 21 /03/2023. "Role play & skit on contraception in lactating women "followed by panel Discussion on 21 march 2023.	FOGSI
18	Dr. Deepika Assistant Prof.	<i>LNGIUS -used as emergency contraception against the motion</i>	Webinar organised by Family welfare committee FOGSI	FOGSI
19	Dr. Balpreet Kaur Assistant Prof.	<i>Lecture on uterine balloon tamponade</i>	Pre-launch of "Prevention of PPH related mortality and morbidity through structured approach – a pilot project in two districts of Punjab" project under Mission	Civil Hospital, Bathinda



			Tandrust.	
20	Dr. Balpreet Kaur Assistant Prof.	introduction of project on CTG vs KEYAR under NASSCOM foundation	launch workshop on maternal mortality reduction and healthcare interventions.	AIIMS Bathinda
21	Dr. Balpreet Kaur Assistant Prof.	“Cervical cancer risk factors, early detection, treatment and prevention”	Preventive Oncology – ECHO programme Lecture on “Cervical cancer risk factors, early detection, treatment and prevention”	AIIMS Bathinda
22	Dr. Balpreet Kaur Assistant Prof.	“Long acting reversible contraception: current status” Webinar	Webinar organised by Faridabad Obs & Gynae society with Family welfare committee FOGSI on recent trends in contraception. “Long acting reversible contraception: current status” Webinar	Faridabad Obs & Gynae society with Family welfare committee FOGSI
23	Dr. Balpreet Kaur Assistant Prof.	Menstrual hygiene, family planning methods and adolescent contraception.	Public awareness camp Lecture on Menstrual hygiene, family planning methods and adolescent contraception.	Pyarelal Karnail Singh Memorial Charitable trust,
24	Dr. Balpreet Kaur Assistant Prof.	Contraception in lactating women	Webinar organised by Family welfare committee FOGSI Moderator for the panel on “Contraception in lactating women	FOGSI
25	Dr. Balpreet Kaur Assistant Prof.	Panel on newer contraceptive choices	Star global summit- High risk pregnancy Panelist in “Panel on newer contraceptive choices”. Pune on 24/3/23.	Star global summit

4. Papers Presented in various Conferences/Workshops: -

S.No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
1	Dr. Lajya Devi Goyal Prof. & Head	Effect of Covid 19 pandemic on antenatal care and pregnancy outcome amongst the rural women of Punjab- assessment through teleconsultation services.	Effect of Covid 19 pandemic on antenatal care and pregnancy outcome amongst the rural women of Punjab- assessment through	AICOG



			teleconsultation services. AICOG - 2022	
2	Dr. Priyanka Associate Prof.	Prevalence of urinary incontinence, its impact on quality of life, and barriers to treatment seeking behaviour amongst women attending tertiary care centre	Prevalence of urinary incontinence, its impact on quality of life, and barriers to treatment seeking behaviour amongst women attending tertiary care centre” at Global conference on updates in Obstetrics and Gynaecology at Hyderabad (July 2022), organized by FOGSI	FOGSI
3	Dr. Deepika Assistant Prof.	Rare case of genital tuberculosis in Adolescent girl	International conference speaker-Paper presentation (rare case of genital tuberculosis in Adolescent girl) [30th World Congress on Controversies in Obstetrics, Gynaecology and Infertility (COGI)	30th World Congress on Controversies in Obstetrics, Gynaecology and Infertility (COGI) Amsterdam, Netherlands. (International Conference)
4	Dr. Deepika Assistant Prof.	Comparison of Study of maternal outcome with ECC vs DCC group	Comparison of Study of maternal outcome with ECC vs DCC group (NARCHI national Conference)	NARCHI (national association of Reproductive and Child health of India
5	Dr. Raina Jain Junior Resident	Paper presentation on Comparison of effects of povidone iodine alone v/s iodine with chlorhexidine used for pre operative skin preparation for preventing SSI after hysterectomy	Annual National Conference Woundcon 2022 05-07 nov.2022	Dept. of Burns & Plastic Surgery AIIMS Bathinda
6	Dr. Shikha Singla Junior Resident	Delayed diagnosis of turner mosaic in young fertile women with secondary amenorrhea	CME on Menopause the show stopper 07 Aug.2022	Adesh Medical College, Bathinda (Punjab)
7	Dr. Ayushi Sharma Junior Resident	comparison of skin stapler vs matters sutures in wound management in patient operated for benign gynaecological conditions	Annual National Conference Woundcon 2022 05-07 nov.2022	Dept. of Burns & Plastic Surgery AIIMS Bathinda



8	Dr. Madhu Chandra D. Junior Resident	Comparison of closer versus non closer subcutaneous fat tissue suture in abdominal gynecological surgery: A retrospective study	Annual National Conference Woundcon 2022 05-07 Nov 2022	Dept. of Burns & Plastic Surgery AIIMS Bathinda 05-07 nov.2022
9	Dr. Madhu Chandra D. Junior Resident	Precocious puberty due to juvenile Hypothyroidism presenting with B/L Ovarian masses	CME on Menopause the show stopper 07 Aug.2022	Adesh Medical College Bathinda (Punjab)

5. Faculty achievements –awards, honours:-

S.No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Diabetic foot and leg ulcer 'Wound 5/11/2022 AIIMS Bathinda	AIIMS Bathinda
2	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Eye banking and Eye Donation Deptt of Ophthalmology, AIIMS Bathinda . 4/09/2022	Deptt of Ophthalmology, AIIMS Bathinda . 4/09/2022.
3	Dr. Lajya devi Goyal Prof. & Head	Chairperson	" HIV in pregnancy". on virtual CME and PG teaching Programme -IV MMIMS Mullana in Association with SOGA/Patiala menopausal Society 15-17 Dec 2022	MMIMS Mullana in Association with SOGA/Patiala menopausal Society
4	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Clinical leadership in Nursing . organised by AIIMS Bathinda. 27 Aug 2022	AIIMS Bathinda
5	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Scientific Committee Member: Skill courses Deptt of General surgery and Anaesthesia. AIIMS Bathinda. Oct 8th-9th 2022 online, oct 18-20th 2022	Deptt of General surgery and Anaesthesia. AIIMS Bathinda
6	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Prelaunch of project entitled "Prevention of PPH related maternal mortality and morbidity through structured approach" Civil hospital Bathinda:9/07/2022	Civil Hospital Bathinda
7	Dr. Lajya devi Goyal	Chairperson	Launch workshop on Maternal mortality	AIIMS Bathinda



	Prof. & Head		reduction and healthcare interventions AIIMS Bathinda:27/07/22	
8	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Launch workshop on Maternal mortality reduction and healthcare interventions GGS Medical College Faridkot:06/09/22	GGS Medical College Faridkot
9	Dr. Lajya devi Goyal Prof. & Head	Chairperson	Training to reduce maternal mortality related to PPH CHC Bhucho Mandi on 12/08/2022	CHC Bhucho Mandi
10	Dr. Priyanka Associate Prof.	3rd prize	3rd prize in oral paper presentation on "Prevalence of urinary incontinence, its impact on quality of life, and barriers to treatment seeking behaviour amongst women attending tertiary care centre" at Global conference on updates in Obstetrics and Gynaecology at Hyderabad (July 2022) organized by FOGSI	FOGSI
11	Dr. Supriti	Chairperson	decoding infertility "A practical approach 17-18 dec. 2022	ISAR, Haryana
12	Dr. Deepika	Panellist	Faculty (Panellist) at IAGE national conference- Urological complications in Gynae Endoscopy	Indian Association of gynaecological endoscopists (IAGE)
13	Dr. Deepika	<i>Faculty Participation (Judge)</i>	Faculty at NARCHI on conference (judge at poster presentation)	NARCHI (national association of Reproductive and Child health of India
14	Dr. Deepika	Membership	NARCHI (national association of Reproductive and Child health of India	NARCHI (national association of Reproductive and Child health of India
15	Dr. Deepika	Third prize in poster competition	Third prize in poster competition in workshop for Asha: Basic obstetric care, breast, and cervical cancer screening	NARCHI (national association of Reproductive and Child health of India



16	Dr. Balpreet Kaur	First prize winner in poster presentation	INFERTILITY UPDATE 2022 -Optimizing Outcomes	Organized by Patiala chapter IFS and Patiala Ob/Gyn Society
17	Dr. Balpreet Kaur	Membership	National Academy of Medical Sciences (NAMS) – November 2022.	NAMS
18	Dr. Balpreet Kaur	Member	FOGSI family welfare committee – November 2022.	FOGSI
19	Dr. Balpreet Kaur	Chairperson	Annual academic meet of Haryana ISAR-2022	Haryana ISAR

6. Research activities undertaken in the department:

S.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc	Status (ongoing/completed)	Budget Amount is Rs.
Projects sanctioned					
1	Dr Lajya Devi Goyal	Prevention of Postpartum haemorrhage related maternal morbidity and mortality through structured approach: a pilot project from two districts of Punjab.	Funded By MissionTandrust Punjab. PSCST Extramural	Ongoing	20,22,640
2	Dr Lajya Devi Goyal	Comparison of advanced electronic intrapartum monitoring system (keyer device) and Daksh application with standard cardiotocography for assessment of fetal heart rate and uterine contraction.	NASSCOM Foundation Extramural	Ongoing	3,87,000
3	Dr Lajya Devi Goyal	Comparison of advance point of care testing system (cervastra), with the conventional pap smears for screening of precancerous and cancerous	NASSCOM Foundation Extramural	Ongoing	1,71,927



		cervical lesion: a pilot study			
4	Dr Lajya Devi Goyal	Study to validate smart scope as a screening tool to detect pre-cancerous lesions of cervix – A pilot study	Extramural	Ongoing	6,000000
5	Dr Lajya Devi Goyal	IM-Fine (Indian male factor infertility evaluation); An All india Multicentric Survey	Multi-Centric	Ongoing	NA
6	Dr. Supriti	Research project on “Clinico - radiological co-relation of UDS(urodynamic studies) in women with LUTS (lower urinary tract infection).	Intramural	Ongoing	NA

7. Papers and Books/chapters published by the faculty:

a. RESEARCH PAPERS

- i. Goyal LD, Garg P, Verma M et al. (17) (PDF) Effect of restrictions imposed due to COVID-19 pandemic on the antenatal care and pregnancy outcomes: a prospective observational study from rural North India. BMJ Open 2022; 2:e059701. doi:10.1136/bmjopen-2021-05970
- ii. Goyal LD, Verma M, Garg P, Bhatt G. Variations in the patterns of tobacco usage among indian females -findings from the global adult tobacco survey India. BMC Women's Health 2022: 22;442.
- iii. Goyal, L.D., Garg, P. & Kaur, M. Vulvar leiomyoma in an adolescent girl: a case report and review of the literature. *J Med Case Reports* 17, 68 (2023). <https://doi.org/10.1186/s13256-022-03743-7>
- iv. Goyal LD, Goyal S, Garg P, et al. Unusual case of a leiomyoma in the space of Retzius mimicking broad ligament fibroid. *BMJ Case Reports CP* 2023;16:e253050.
- v. Pregnancy amidst the Pandemic. In book: Clinics in Covid Pandemic. Publisher: Century Publishers, New Delhi .November 2022
- vi. Gupta S, Bansal R, Shergill HK, Sharma P, Garg P. Correlates of post-partum intra-uterine copper-T devices (PPIUCD) acceptance and retention: an observational study from North India. *Contracept Reprod Med.* 2023 Mar 28;8(1):25. Doi 10.1186/s40834-023-00222 2. PMID: 36978137; PMCID: PMC10045498
- vii. Kumar R, Bansal R, Kaur H, **Garg P**. Prevalence of thyroid dysfunction in pregnancy and its association with fetomaternal outcomes : A prospective observational study from a tertiary care institute in Northern India. *Clin Epidemiol Glob Heal* [Internet]. Elsevier B.V.; 2023;19:101201
- viii. **Garg P**, Verma M, Sharma P, Coll CVN, Das M. Sexual violence as a predictor of unintended pregnancy among married women of India: evidence from the fourth round of the National Family Health Survey (2015–16). *BMC Pregnancy Childbirth* [Internet]. BioMed Central; 2022;22:347

- ix. **Garg P**, Bansal R. Neglected case of a huge leiomyoma in an elderly postmenopausal woman: a case report. J Med Case Rep. 2022 Dec 29;16(1):485
- x. **Kaur B**, Malik S, Prakash V, Bhatia V, Gupta D. Efficacy of Artificial Oocyte Activation in Improving the Reproductive Outcome in Poor Responders: A Single Centre Cohort Study. J Family Reprod Health 2023; 17(1): 45-5
- xi. **Singh L**, Singh DP, Deepika, Raghunandan C, Dhoat N. A clinical study of Fetal outcome following early and delayed cord clamping in births associated with anemia in pregnancy J Family Med Prim Care. 2022 May;11(5):1789-1793. doi: 10.4103/jfmpc.jfmpc_882_21. Epub 2022 May 14. PMID: 35800483; PMCID: PMC9254860

8. Number of Workshop/Training Activities Organized*

a. Workshops: -

- i. Clinical leadership in Nursing. organised by AIIMS Bathinda. 27 Aug 2022
- ii. Prelaunch of project entitled "Prevention of PPH related maternal mortality and morbidity through structured approach" organized at Civil hospital Bathinda:9/07/2022
- iii. Launch workshop on Maternal mortality reduction and healthcare interventions organized at AIIMS Bathinda:27/07/2022
- iv. Launch workshop on Maternal mortality reduction and healthcare interventions organized at GGS Medical College Faridkot: 06/09/2022

b. Trainings: -

- i. 1.Training to reduce maternal mortality related to PPH was given at CHC Bhucho Mandi on 12/08/2022
- ii. Training to reduce maternal mortality related to PPH was given at SDH Ghudda on 19-07-2022
- iii. Training to reduce maternal mortality related to PPH was given at SDH Nathana

c. Number of Thesis Evaluation MD/MS-03

- i. Dr. Lajya Devi Goyal (GMCH Chandigarh) – 01
- ii. Dr. Lajya Devi Goyal (Medical College Solan) -01
- iii. Dr. Priyanka Garg- 01



INTRODUCTION OF AYUSHMAN BHARAT DIGITAL MISSION (ABDM)



Health Camp in Collaboration with Punjab State Council of Science and Technology Chandigarh



Start of Labour room services: First delivery in AIIMS Bathinda

9. OTHER ACHIEVEMENTS



Start of Endoscopic Surgeries in AIIMS Bathinda: First Gynae Laproscopic surgery



Launch workshop on Maternal Mortality reduction and healthcare interventions



GGS Medical Collage Faridkot 06 Sep 2022



Prelaunch of project entitled "Prevention of PPH related maternal mortality and morbidity through structured approach "organized at Civil Hospital Bathinda 09/07/2022



Launch workshop on Maternal Mortality reduction and healthcare interventions organized at AIIMS Bathinda 27/07/2022



DEPARTMENT OF MICROBIOLOGY

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

1. Faculty Details:

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

2. 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. Recently two Post Graduate candidates have join the MD Course in Department. Also, The Department have proposed to start the PhD course in Microbiology. To include the department vision, academics and patient related services being provided by the department.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Sivanantham Krishnamoorthi	1. Standard Precaution – Hand Hygiene 2. Rational Use of PPE in COVID-19 3. Fit test and Respirators	5 th Advanced National Workshop on Hospital Infection Control	JIPMER, Puducherry

4. Faculty achievements –awards, honours etc

Number of Awards Received : 1

Number of Recognition Received: 1

S No	Name of faculty	Award/honour	Event	Organised by
1	Sivanantham Krishnamoorthi	Resource Person	5 th Advanced National Workshop on Hospital Infection Control – JIPMER, Puducherry	JIPMER, Puducherry



2	Sivanantham Krishnamoorthi	Global Biorisk Management Curriculum (GBRMC) Certificate for completion of workshop – Shipping Infectious Substances & Biological specimens	workshop – Shipping Infectious Substances & Biological specimens, New Delhi, India	Global Chemical and Biological Security Group Sandia National Laboratories P. O. Box 5800, MS 1363 Albuquerque, New Mexico 87185-1363
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5. Research activities undertaken in the department:

- (a) Number of **Project Sanctioned** with the name of Funding Agency* - 1 (technically approved) from ICMR ad-hoc scheme.
- (b) Project Sanctioned with amount * - 14,09,430.00/-
- (c) Number of **Project Submitted** with the name of Funding Agency* -
- (d) SERB core research grant/ extramural & ICMR - Extramural Ad-hoc
- (e) Number of Project undergoing with the name of Funding Agency*

S.No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Institute PI – Dr.Sivanantham Krishnamoorthi (Nodal PI – Dr.Minakshi Rohilla, PGIMER, Chandigarh)	Causation and prevalence of Coxiella burnetti in human abortion and its genetic relatedness in ticks	ICMR (project ID 2021-10660) ad-hoc scheme	Technically Approved	14,09,430.00 (For AIIMS, Bathinda)
2	Dr Bhawna Assistant Professor Microbiology	COVID-19 vaccination and Neurological complications: A Retrospective observational study	Extramural-ICMR	Ongoing	
Projects submitted					
1	Institute PI - Dr.Kamla Kant (Nodal PI- Dr.Vikas Kaushik, Lovely Professional University,	Identification of cross reactive immunogenic peptide as vaccine candidate	SERB core research grant/ extramural	Submitted	NA



	Jalandhar, Punjab)	against different serotypes of Dengue Virus			
2	Dr. Sivanantham Krishnamoorthi	Feasibility and validation of the self-collection, storage and transportation of swab/urine samples for the detection of Sexually Transmitted Infections in a specific sub-group	ICMR - Extramural Ad-hoc	Submitted	62,80,240.00
3	Dr. Mukesh Kumar Yadav, Associate Professor, Central University of Punjab, Bathinda	Setting up of State and Medical college level Viral Research and Diagnostic Laboratory (VDRL)	DHR, ICMR	NA	NA
4	Dr. Jai Ranjan (as guide of MBBS student)	A cross-sectional survey on reasons for vaccine hesitancy among medical students in a tertiary hospital in Northern India.	Submitted as Short Term Studentship project for ICMR	NA	NA



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

a. Detail of Book published with indexing database.

Kant K, GRID COVID-19 Research Group., Health Dimensions of COVID-19 in India and Beyond, Saroj Pachauri, Ash Pachauri (Ed), 1st Ed. Springer; 2022

7. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

a. Research papers:

- 1) Kumar, A., Asghar, A., Singh, H. N., Faiq, M. A., Kumar, S., Narayan, R. K., Kumar, G., Dwivedi, P., Sahni, C., Jha, R. K., Kulandhasamy, M., Prasoon, P., Sesham, K., **Kant, K.**, & Pandey, S. N. (2023). SARS-CoV-2 Omicron variant genomic sequences and their epidemiological correlates regarding the end of the pandemic: In silico analysis. *JMIR Bioinformatics and Biotechnology*, 4, e42700. <https://doi.org/10.2196/42700>
- 2) **Krishnamoorthi S, Sharma C**, Mewara A, Khurana S. Environmental water surveillance for free-living amoeba in North India. *Indian J Med Microbiol.* 2022 Jul;40(3):389–93.
- 3) Kaur H, **Krishnamoorthi S**, Dhaliwal N, Biswal M, Singh S, Muthu V, et al. Antifungal prescription practices and consumption in a tertiary care hospital of a developing country. *Mycoses.* 2022 Aug 7;65(10):935–45.
- 4) Ponnaiah M, Ganesan S, Bhatnagar T, Thulasingham M, Majella MG, Karuppiyah M, et al. Hyperglycemia and steroid use increase the risk of rhino-orbito-cerebral mucormycosis regardless of COVID-19 hospitalization: Case-control study, India. *PLoS One.* 2022 Aug 8;17(8):e0272042.
- 5) **Krishnamoorthi S**, Priyadarshi K, Rajshekar D, Sundaramurthy R, Dhandapani S, Madigubba H, et al. Impact of conducting hand hygiene audit in COVID-19 care locations of India-A large scale national multicentric study - HHAC study. *Indian J Med Microbiol.* 2023 May;43:39–48.
- 6) Sharma R, **Krishnamoorthi S**, Kumar A, Biswal M, Koushal V. Bacterial counts of hospital linen and effectiveness of laundry process: a need for consensus on microbial sterility of hospital linen. *Journal of Patient Safety and Infection Control.* Jan-Apr 2022;10(1):6–9.
- 7) Dhandapani S, Rajshekar D, Priyadarshi K, **Krishnamoorthi S**, Sundaramurthy R, Madigubba H, et al. Comparison of hand hygiene compliance among healthcare workers in Intensive care units and wards of COVID-19: A large scale multicentric study in India. *Am J Infect Control.* 2023 Mar;51(3):304–12.
- 8) **Sharma B**, Mohan B, Sharma R, Lakhanpal V, Shankar P, Singh SK, Taneja N. Evaluation of an automated rapid urine culture method for urinary tract infection: Comparison with gold standard conventional culture method. (2023) *Indian J Med Microbiol.* 42:19-24.
- 9) **Sharma B**, Lakhanpal V, Goyal A, Shree R, Raj S, Sreenivasan P, Biswal M, Ray P, Angrup A. Extensive Multifocal Emphysematous Osteomyelitis of Spine: A Rare Case and a Review of Literature.(2023) *Infect Disord Drug Target.*23(1):e140622205976.
- 10) **Sharma B**, Modgil V, Mahindroo J, Kumar A, Kaur V, Narayan C, Verma R, Mohan B, Taneja N. Are Non-lactose fermenting Escherichia coli important diarrhoeal pathogens in children and adults?.(2023)*Access Microbiology.*
- 11) Sreenivasan, P., **Sharma, B.**, Kaur, S. et al. In-vitro susceptibility testing methods for the combination of ceftazidime-avibactam with aztreonam in metallo-beta-lactamase producing organisms: Role of combination drugs in antibiotic resistance era. *J Antibiot.*2022; **75**: 454–62.
- 12) Handa S, Singh SR, **Sharma B**, et al. Cluster outbreak of Pseudomonas stutzeri acute endophthalmitis following phacoemulsification: A report of 14 cases from North India. *Indian J Ophthalmol.* 2022;70(6):2084-2089.
- 13) **Sharma B**, Sreenivasan P, Angrup A, Kaur S, Rana S, Kundu J, Biswal M, Ray P. In-vitro susceptibility testing methods for ceftazidime-avibactam against carbapenem-resistant Enterobacterales: Comparison with reference broth microdilution method.(2023). *Current Drug Safety.* 18(4):563-70

- 14) Angrup A, **Sharma B**, Sehgal I, Biswal M, Ray P. Emerging Bacterial Pathogens in the COVID-19 Era: Chryseobacteriumgleum —A Case in Point. Journal of Laboratory Physicians.2022. 15(1):97-105
- 15) **Sharma B**, Lakhanpal V, Singh K, Oberoi L, Bedi PK, Devi P. Evaluation of HPV E6/E7 mRNA Detection in Clinically Suspected Cases of Cervical Cancer with Abnormal Cytology: Time to Upgrade the Screening Protocols.(2022). J Lab Physicians.14(3):336-42.
- 16) Datta P, **Sharma B**, Peters NJ, Khurana S, Sehgal R. Bilateral Pulmonary Hydatid Cyst in a Young Child: A Rare Case Report from North India. J Lab Physicians. 2022;14(3):348-350.

8. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

- i. Research papers: 5+9+1=15
 - ii. Book/Book chapter: 01+01+2
 - iii. Number of citations*: 36+388+100=524
 - iv. i10 index*: 3+2+9=14
 - v. H index*: 5+3+3+9=20
- (According to Google Scholar database)

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

- (a) Training activities conducted, surgeries, camps, etc.
- (b) Number of Conference Organized: Nil
- (c) Number of Workshop Organized : Nil

10. Number of Thesis Supervised MD/MS*: One - MD, Microbiology

11. Any other achievement:

Dr. Sivanantham Krishnamoorthi)

Jaya Jain and team (Jaya Jain, PankhitaGhai, Kajol and Priya Garg) won the award - **SA Waksman Prize for best UG research proposal** (Rs. 15000/- Seed research grant, commendation plaque and certificate) in Student Research Champion 4AMR (SRC4AMR) 2021 edition conducted by ReAct Asia Pacific and ASPIC Clubs from Aug-Nov 2021.

Dr. Jai Ranjan

- (a) Selected as “Associate Editor” of Cureus Journal of Medical Science in October, 2022.
- (b) Conferred “Professional Diploma in Medical Law and Ethics” (PGDMLE) offered by NLSIU, Bengaluru in November, 2022.
- (c) Conferred the title of “Certified Infection Control Professional” (CICP) by Consortium of Accredited Healthcare Organisations in March, 2023.



VITEK ID/AST



BACT/ALERT BLOOD CULTURE SYSTEM



DEPARTMENT OF NEPHROLOGY

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

4. FACULTY DETAILS:

S.no	Name of faculty	Designation	Date of Joining
1.	Dr Saurabh Nayak	Assistant Professor	18/9/2021

5. 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 Guillain 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.

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

Number of Papers presented in National Conference: **1**

Number of Papers presented in International Conference: **0**

7. Faculty achievements –awards, honours etc

(a) Number of Award Received (only from registered professional organization of national and international repute): **0**

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

8. Research activities undertaken in the department:

S.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Saurabh Nayak	TRACK study	Extramural (George Institute of Global health, Australia)	Ongoing	25 Lacs
2	Saurabh Nayak	AVOID Study	Extramural (PGIMER, & Welcome Trust UK)	Ongoing	5 Lacs
3	Saurabh Nayak	Biorasi Clinical Services	Extramural funded: Leonard Meron Biosciences	Ongoing	20 Lacs
Projects submitted					
1	Saurabh Nayak	Desidustat	Extramural funded: Zyudus	Submit to research cell	20 Lacs



PD Catheter insertion Workshop



World Kidney Day



DEPARTMENT OF OPHTHALMOLOGY

Name of the Department	Ophthalmology
Head of the Department	Dr Anuradha Raj, Additional Professor & HOD

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Anuradha Raj	Additional Professor & HOD	26-11-2021
2	Dr Sanjeev Kumar	Assistant Professor	14-11-2019
3	Dr Vandana Sharma	Assistant Professor	18-04-2022

2. 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, 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 of ocular care to the patients visiting AIIMS. We started operation theatre in June 2022 and till date, we have operated 904 cases. A variety of ocular surgeries are performed which are as Phacoemulsification, Small Incision cataract surgery, Trabeculectomy, Lacrimal surgeries, Squint surgery, Oculoplasty surgeries, Orbital surgeries, Ocular surface reconstruction surgeries and traumatic ocular repairs etc. The Vision of the Ophthalmology department is to start Eye Banking, Corneal transplantations, and retinal surgeries in near future and to provide the best care to patients under one roof.

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

S.No	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr Anuradha Raj	Morphological and functional assessment of filtering blebs on anterior segment optical coherence tomography	International Ophthalmology Conference (Online Event) October 27-28, 2022.	IOC 2022 ;50 South Wacker Drive #2400 Chicago, IL 60606, USA
National Conferences				
1	Dr Anuradha Raj	Approach to the Patients with Papilledema: Case Scenarios	34th Annual Conference of conference on 29th to 30th OCTOBER, 2022	North zone Ophthalmological Society
2	Dr Anuradha Raj	Role of ophthalmologist in management of corneal ulcers"	National Woundcon, 5th to 6th Nov 2022,	Burns and plastic surgery department, AIIMS, Bathinda
3	Dr Anuradha Raj	MSICS in white cataract: tips and tricks	ISMSICS Punjab chapter conference on 21 MAY 2023, GMC, Amritsar	International society of MSICS
4	Dr Anuradha Raj	Preferred practice patterns in Optic Neuritis	CME on 5th March 2023	AADESH Institute of Medical Sciences, Bathinda



4. 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 Anuradha Raj	Study to validate Smart mesopic fundus camera as a screening tool to detect glaucoma in a targeted glaucoma screening at the community level at outreach areas of Bathinda, Punjab - A pilot study	Intramural	Ongoing	Nil
2	Dr Anuradha Raj	Effect of topical Rho-Kinase inhibitors ripasudil for the treatment of diabetic macular edema	Intramural	Ongoing	Nil
Projects submitted					
1	Dr Anuradha Raj	Artificial intelligence (AI) based automated early-diagnosis of major depressive disorder (MDD) using ophthalmic data: An observational study: SENT	EXTRAMURAL Department Of Bio-Technology	Submitted	Yes
2	Dr Anuradha Raj	Predisposing genes and their association with the ocular biometric parameters on anterior segment optical coherence tomography in primary angle-closure glaucoma in north Indian population	Extramural Science and Engineering Research Board	Submitted	Yes
3	Dr Anuradha Raj	Major depressive disorder in primary glaucoma patients, their association with molecular biomarkers and effect on the efficacy of topical anti-glaucoma therapy: An Observational multicentric study.	Extramural ICMR	Submitted	Yes



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

Name of the faculty	Title of the paper
Dr Anuradha Raj H INDEX 9 I 10 Index 8	<p>(a) Raj A. "Rhino Orbital Mucor Mycosis in Corona Virus Disease Pandemic: A Challenge". EC Ophthalmology 13.2 (2022): 56-61</p> <p>(b) Raj, Anuradha, <i>Limbal stem cell deficiency: Etiology and its management</i>, Himalayan Journal of Ophthalmology: January-June 2022 - Volume 16 - Issue 1 - p 9-15 doi: 10.4103/hjo.HJO_5_22</p> <p>(c) Ponnaiah M, Ganesan S, Bhatnagar T, Thulasingham M, Majella MG, Karuppiyah M, et al. (2022) <i>Hyperglycemia and steroid use increase the risk of rhino-orbital-cerebral mucormycosis regardless of COVID-19 hospitalization: Case-control study, India</i>. PLoS ONE 17(8): e0272042. https://doi.org/10.1371/journal.pone.0272042</p> <p>(d) Raj, Anuradha, <i>Pediatric penetrating keratoplasty and its unique challenges</i>, Himalayan Journal of Ophthalmology: 2022:16;48-54.</p> <p>(e) Abstract published On Morphological and functional assessment of filtering blebs on anterior segment optical coherence tomography in Abstract book of INTERNATIONAL OPHTHALMOLOGY CONFERENCE ON 27-28OCT 2022</p>
Dr Sanjeev	Bilateral Ciliochoroidal Effusion with secondary angle closure and myopic shift in Dengue fever.
Dr Vandana	The chronicles of missing metallic intraorbital foreign body: A case series.
Book Chapters Dr Anuradha Raj	Title of the chapters
Changes in medical practices during COVID-19 Pandemic- a review of current treatment an practice guidelines"	<p>(a) Changing trends in Ophthalmic practices in the COVID era</p> <p>(b) Stress and telomeres shortening in predicting COVID-19 mortality.</p>
Advance research trends in medical and clinical Sciences Vol 2, MKSES, Publishers India	<p>(a) Effect of aging on physiological and Pathological ocular conditions</p> <p>(b) Terrorism: Impact on mental health and its combating strategies</p>

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

CME'S Organized

Number of CMEs organized: 2
1. CME organized on EYE BANKING AND EYE DONATION: A WAY FORWARD By the Department of Ophthalmology on 4 th September 2022 at AIIMS, BATHINDA, celebrating 37 th National Eye Donation Awareness Fortnight.
2. CME Organized Glaucoma: A Panoramic view on 26 th March 2023 at AIIMS, BATHINDA

- 1) Number of thesis supervised MD/MS*
 - a. Ongoing theses: three
- 2) Any other achievement
 - a. Got a fund of 100000 from npcib in august 2022 and operated 100 cataract cases free of cost until december 2022.



GLAUCOMA: A PANORAMIC VIEW ON 26TH MARCH 2023 AT AIIMS, BATHINDA



CME ORGANIZED ON EYE BANKING AND EYE DONATION ON 4TH SEPT 2022



AWARENESS TALK IN OPD AREA REGARDING GLAUCOMA



CME ORGANIZED DURING GLAUCOMA WEEK



INAUGURATION OF EYE ENT IPD WARD



INAUGURATION OF OPHTHALMOLOGY OPERATION THEATRE SERVICES IN JUNE 22



DEPARTMENT OF ORTHOPAEDICS

Name of the Department	Orthopaedics
Head of the Department	Dr Tarun Goyal

1. FACULTY DETAILS:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr Tarun Goyal	Additional Prof	06.12.2019
2.	Dr Nilesh Barwar	Associate Professor	
3.	Dr. Pankaj Kumar Sharma	Associate Professor	26/11/2019
4.	Dr Kavin Khatri	Assistant Professor	

2. Brief Introduction of the department:

- a. The department aims to provide:
 - i. the highest quality patient care to all people through innovation, latest research and training
 - ii. competency based training of the next generation of surgical health care professionals and scientists
 - iii. leadership role in orthopaedic teaching and research at both regional and national level
- b. Services Available in the department:
- c. The department of orthopaedics treats all the musculoskeletal conditions. It deals with conditions like osteoarthritis, low backache, neck pain, congenital disorders and fractures. Department is providing round the clock trauma care, surgeries in all specialities of orthopaedics and physiotherapy services
- d. The following procedures are being done in the department
 - 1) Joint replacement surgeries
 - 2) Arthroscopic surgery is of the joints
 - 3) Trauma
 - 4) Tumours
 - 5) Spine surgeries
 - 6) Paediatric orthopaedic surgeries
- e. The department is also running special clinics for sport injuries, paediatric Orthopaedics, hand surgeries and spine surgeries. **Academics**
 - 1) Dept has 9 PGs, one seat for MCh Arthroplasty and sponsored candidates as fellows.
 - 2) Department has organised 7 workshops/ CMEs and has 2 extramural funded projects.

f. Patient care:

For departments engaged in clinical patient care:

Sl No	Category	Number
1.	Patients seen in OPD	84732
2.	Patients admitted in IPD	1470
3.	Teleconsultations	169
4.	Procedures performed	1234
	A. Major B. Minor	113
5.	Any other special clinic/activity	Sports clinic (Tuesdays) and Clubfoot and hand clinic (Thursday) had total of 7712 patients



3. 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	Radiological Healing Of The Rotator Cuff On MRI Does Not Correlate With Functional Outcomes After Arthroscopic Rotator Cuff Repair	30th SECEC-ESSSE Congress, Dublin, Ireland	
2.	PANKAJ KUMAR SHARMA	Oral Paper Presentation Correlation between clinical severity and magnetic resonance imaging findings (MRI) in patients with symptomatic lumbar canal stenosis features, A prospective appraisal.	Hybrid Global Spine Congress, Las Vegas, USA, June 1-4, 2022	AO SPINE
		Oral Paper Presentation "Clinical corelation with magnetic resonance imaging findings in symptomatic lumbar canal stenosis patients"	APSS Annual meeting 10-12 June 2022	Ganga Hospital Coimbatore
		Oral Paper Presentation "Comparative analysis and correlation of MRI changes of paraspinal muscles in acute or chronic symptomatic low back ache patients."	ICS 2022, 3-5 Nov 2022, Swosti Premium Bhubaneshwar	ASSI
3.	Kavin Khatri, Assistant Professor	Comparison of Triamcinolone Injection versus Ketorolac in lateral epicondylitis: a non-inferiority randomized controlled trial	22 nd ASIA Pacific Orthopaedic Association web congress	APOA, Kuala Lumpur, Malaysia.
National conferences				
1	Dr Tarun Goyal	Primary Knee Arthroplasty Valgus Knee	TOSAcon, Hyderabad.	
		Metaanalysis	Workshop on Systematic Reviews and Metanalysis	Central University of Punjab,, Bathinda
		PCL avulaions- open vs arthroscopic fixation	Trauma Symposium	AIIMS Bhubaneshwar
		Malunited fractures of tibial plateau	Trauma Symposium	AIIMS Bhubaneshwar



		Management of failed Bankarts, repair: Open vs arthroscopic approach,	North Zone Orthopaedic Association	GMCH, Chandigarh
		Conventional vs robotic TKR	North Zone Orthopaedic Association	GMCH, Chandigarh
		How and where to read for theory and practical exams	Orthopaedic Symposium	AIIMS Deoghar
		Periprosthetic fractures	Bathinda Orthopaedic Forum	
		Failed Bankarts lesions/ Single vs Double row rotator cuff repairs:	Shoulder Arthroscopy Symposium, Smith and Nephew, Ludhiana	
		Workshop on Systematic Reviews and Metanalysis	NZIAPSMCON	AIIMS Bathinda
		Principles of Internal Fixation/ Forearm fractures/ Intramedullary nailing:	AOtrauma course	Jaipur
		TKR in valgus knee.	Jaipur Shoulder & Knee Course	
		AC joint dislocation	Shoulder cadaveric course	AIIMS Rishikesh
		Systematic and personalized alignment strategies in TKR	POACON	
		Reading postoperative X rays and Radiological Follow up/.	THR symposium AIIMS Bathinda	
		Direct anterior approach in THA	THR symposium AIIMS Bathinda	
2	Dr Nilesh Barwar	Subaxial cervical spine injury with facet dislocations	POACON 18 Feb 2023	Punjab orthopaedic association
		Medial plating for distal femoral non-union	IOACON 03 Dec 2022	Indian Orthopedic Association
		Functional results of surgical decompression of OLF in the thoracic spine	ASSICON 29 Apr 2022	Association Of Spine Surgeon Of India
3	Dr Pankaj Sharma	Guest Lecture “Early infection after nailing in femur fracture”	NZAOCON 2022, 6-8 May 2022	GMC, Chandigarh
		Faculty Judge, Poster paper presentation	IMA-EMERGE 2022 , Bathinda, 10-11 Sept 2022.	IMA Bathinda IMA Bathinda



		<p>Faculty Chairperson, “Arthritis Session”</p> <p>Guest speaker “Osteoarthritis: Diagnosis and Management”</p> <p>Table instructor Faculty</p> <p>Faculty Chairperson</p> <p>Faculty lecture “Neck of femur fracture: Reduction techniques.”</p> <p>Faculty lecture “Fragility fractures of spine and treatment strategies”</p>	<p>IMA-EMERGE 2022, Bathinda, 10-11 Sept 2022.</p> <p>MAPICON 2022, 15th to 18th Sept, 2022, Bathinda</p> <p>AO Trauma Blended Course-Basic Principles of Fracture Management”, 2022 Sept 16-18, Jaipur, India.</p> <p>TRAUMA 2022 & Asian Trauma Congress - 18th to 20th November, 2022, New Delhi.</p> <p>Advance Trauma Workshop, IOACON 2022.</p> <p>POACON 2023, 18-19 Feb 2023, Patiala</p>	<p>MAP Bathinda</p> <p>AO</p> <p>Trauma Society of India</p> <p>IOA</p> <p>POA</p>
4	Kavin Khatri, Assistant Professor	Proximal tibia fractures	3rd Annual International Conference	American College of Surgeons India chapter, New Delhi.
5	Kavin Khatri, Assistant Professor	TIME concept	WOUNDCON 2022 conference	Burns and plastic surgery department, AIIMS Bathinda
6	Kavin Khatri, Assistant Professor	Wound classification	WOUNDCON 2022 conference	Burns and plastic surgery department, AIIMS Bathinda
7	Kavin Khatri, Assistant Professor	Clinical Decision Support System (CDSS) for severity stage assessment in knee osteoarthritis using multimodal data of radiographs and clinical parameters by designing a Specialized Deep Neural Network OsteoSeverityNet and its cloud-based web	67th Annual Conference	Indian Orthopedic Association - IOACON 2022 Amritsar.



		implementation for remote access		
8	Kavin Khatri, Assistant Professor	Comparison of Two Suture Materials in Capsular Closure: Closure Time and Wound Complications following Knee Arthroplasty	ISKSAA 2022 Annual Meet, New Delhi.	ISKSAA 2022 Annual Meet, New Delhi.
9	Kavin Khatri, Assistant Professor	Pain management with nefopam in operatively treated Periarticular and Multiple extremity fractures: A non-inferiority Randomized controlled trial	Trauma 2022	Indian Society for Trauma & Acute Car, New Delhi
10	Kavin Khatri, Assistant Professor	Low-dose Perioperative Dexamethasone Improves 24-hour Post-Operative Pain after Anterior Cruciate Ligament Reconstruction	NZOACON 2022	North Zone Orthopaedic Association

4. Faculty achievements –awards, honours etc

S.No	Name of faculty	Award/honour	Event	Organised by
1	Dr Tarun Goyal	ISAKOS Young Investigator Award at Boston	International Society of Arthroscopy, Knee Surgery and Orthopaedic Sports Medicine.	
2	Dr Tarun Goyal	Best publication award for 2022	Indian Journal of Orthopaedics	
3	Dr Nilesh Barwar	Awarded with sponsored international fellowship by AOspine	International fellowship in spine surgery (hosting centre: Nottingham, UK)	AOSpine
4	Kavin Khatri	Best paper	North zone orthopedic conference, Chandigarh	North zone orthopedic association.
5	Kavin Khatri	Third prize	Asian Trauma Congress, New Delhi	Indian Society for Trauma & Acute Care
6	Kavin Khatri	Third prize	Indian medical association conference	IMA, Chandigarh



5. 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 Tarun Goyal	A prospective, multi-center, First In Man, Pilot clinical investigation to evaluate the safety and performance of the freedom total knee system with the PEEK-OPTIMA Femoral Component	extramural	ongoing	
	Dr Tarun Goyal	Outcomes of bone marrow and adipose-derived culture-expanded mesenchymal stem cells for cartilage defects of knee	extramural	ongoing	29 lac
2	Dr Tarun Goyal	Ex-vivo characterization of articular cartilage and bone using advanced microscopy and spectroscopy	Intramural	ongoing	
3	Dr Tarun Goyal	Association between reproductive factors and osteoarthritis of the knee joint in Indian females	Intramural	ongoing	
4	Dr Tarun Goyal	In-vitro proliferation potential of chondrocytes from osteoarthritic knee and adipose tissue from residues of total knee arthroplasty and their incorporation in 3D cultures for use as potential allograft.	Intramural	ongoing	



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

- 1) Singh HV, Das L, Malayil R, Singh T, Singh S, **Goyal T**, Munshi A. Comprehensive analysis of culture conditions governing differentiation of MSCs into articular chondrocytes. *Regen Med*. 2023. doi: 10.2217/rme-2023-0017. Epub ahead of print. PMID: 37199246.
- 2) Govil N, Arora P, Parag K, Tripathi M, Garg PK, **Goyal T**. Postoperative acute pain management with duloxetine as compared to placebo: A systematic review with meta-analysis of randomized clinical trials. *Pain Pract*. 2023. doi: 10.1111/papr.13253. Epub ahead of print. PMID: 37246352.
- 3) Barik S, Jain A, Chanakya PV, Raj V, **Goyal T**. What has changed in total hip arthroplasty in patients of juvenile idiopathic arthritis since 2000? A systematic review and pooled data analysis. *Eur J Orthop Surg Traumatol*. 2023 Mar 22. doi: 10.1007/s00590-023-03525-x. Epub ahead of print. PMID: 36947313.
- 4) Ansari S, Singh SK, Regmi A, **Goyal T**, Kalia RB, Yadav RK, Suresh Gowda AK. Difference in Muscle Strength and Functional Outcome in Direct Lateral Approach versus Posterior Approach in Total Hip Arthroplasty: A Prospective Cohort Study. *J West Afr Coll Surg*. 2023 Jan-Mar;13(1):6-14. doi: 10.4103/jwas.jwas_258_22. Epub 2023 Jan 18. PMID: 36923802; PMCID: PMC10010584.
- 5) Paul S, Barik S, Raj V, Raj M, Kalia RB, **Goyal T**, Arora M, Nazeer M. A cross sectional survey exploring the awareness and familiarity regarding patient reported outcome measures (PROMs) among joint reconstruction surgeons in India. *J Orthop*. 2023 Feb 16;37:59-63. doi: 10.1016/j.jor.2023.02.009. PMID: 36974097; PMCID: PMC10039111.
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- 7) **Goyal T**, Choudhury AK, Paul S, Das L, Gupta T. The direct anterior approach without traction table: How does it compare with the posterior approach? - A prospective non-randomised trial. *J Clin Orthop Trauma*. 2022 Jun 21;31:101924. doi: 10.1016/j.jcot.2022.101924. PMID: 35941870; PMCID: PMC9356358.
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- 9) Choudhury AK, Verma A, Goyal N, **Goyal T**, Kandwal P, Arora S, Barik S. Are academic conferences serving their purpose? A survey among faculties and delegates of a national level orthopedic conference in a developing country. *Pan Afr Med J*. 2023 Jan 4;44:4. doi: 10.11604/pamj.2023.44.4.37404. PMID: 36818030; PMCID: PMC9935648.
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- 11) Khapre M, Agarwal S, Dhingra V, Singh V, Kathrotia R, Goyal B, **Goyal T**, Gupta PK, Rao S, Yadav R. Comprehensive structured training on occupational health hazards and vaccination: A novel initiative toward employee safety. *J Family Med Prim Care*. 2022 Jul;11(7):3746-3753. doi: 10.4103/jfmpc.jfmpc_2333_21. Epub 2022 Jul 22. PMID: 36387613; PMCID: PMC9648280.
- 12) **Goyal T**, Choudhury AK, Paul S, Sethy SS, Singh V, Yadav RK. Outcomes of Continued Intensive Conservative Treatment Versus Arthroscopic Extensor Carpi Radialis Brevis Release for Recalcitrant Lateral Epicondylitis: A Non-randomized Controlled Trial. *Indian J Orthop*. 2022 May 26;56(9):1578-1586. doi: 10.1007/s43465-022-00649-w. PMID: 36052381; PMCID: PMC9385926.
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- 15) Govil N, Tripathi M, **Goyal T**, Bhardwaj BB, Krishna V, Choudhury AK. Comparison of two different volumes of 0.5%, ropivacaine used in ultrasound-guided adductor canal block after knee arthroplasty: A randomized, blinded, controlled noninferiority trial. *J Anaesthesiol Clin Pharmacol.* 2022 Jan-Mar;38(1):84-90. doi: 10.4103/joacp.JOACP_112_20. Epub 2021 Sep 27. PMID: 35706643; PMCID: PMC9191793.
- 16) Barik S, Jain A, Nongdamba H, Chaudhary S, Yasam RP, **Goyal T**, Singh V. Imaging Parameters of Hip Dysplasia in Cerebral Palsy: A Systematic Review. *Indian J Orthop.* 2022 Feb 19;56(6):939-951. doi: 10.1007/s43465-022-00610-x. PMID: 35669024; PMCID: PMC9123123.
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- 18) Choudhury AK, Verma R, Dhyani A, Paul S, **Goyal T**. Late Metastasis of Renal Cell Carcinoma in Distal Femur Treated with Knee Joint Preservation: A Case Report. *J Orthop Case Rep.* 2022 Jan;12(1):1-5. doi: 10.13107/jocr.2022.v12.i01.2590. PMID: 35611298; PMCID: PMC9091406.
- 19) Schuh A, **Goyal T**, Schmidtman M, Koehl P. In der Nacht flammt das Zehengelenk auf [Gout attack]. *MMW Fortschr Med.* 2022 Apr;164(8):9. German. doi: 10.1007/s15006-022-0934-8. PMID: 35449250.
- 20) Das L, **Goyal T**, Paul S, Gupta T. Acute Primary Epiphyseal Osteomyelitis of Proximal Tibia - A Case Report and Review of the Literature. *J Orthop Case Rep.* 2021 Dec;11(12):52-56. doi: 10.13107/jocr.2021.v11.i12.2564. PMID: 35415154; PMCID: PMC8930371.
- 21) Naithani M, Kathrotia R, **Goyal T**, Chug A, Bisht M, Singh SK, Rao S. Training on anti-plagiarism and referencing: A step toward sensitizing and improving scientific authenticity in medical literature writing among academicians. *Perspect Clin Res.* 2022 Oct-Dec;13(4):211-212. doi: 10.4103/picr.picr_260_21. Epub 2022 Jul 11. PMID: 36337369; PMCID: PMC9635351.
- 22) **Goyal T**, Paul S, Choudhury AK, Das L, Schuh A, Govil N. Combined femoral-obturator-sciatic nerve block has superior postoperative pain score and earlier ambulation as compared to spinal anaesthesia for arthroscopic anterior cruciate ligament reconstruction. *Knee Surg Sports Traumatol Arthrosc.* 2022 Oct;30(10):3480-3487. doi: 10.1007/s00167-022-06955-y. Epub 2022 Apr 2. PMID: 35366076.
- 23) Barwar N, Kumar N, Sharma A, Bharti A, Kumar R. A Rare Presentation of Spontaneous Spinal Epidural Hematoma as Spinal Cord Compression and Complete Paraplegia: A Case Report and Review of the Literature. *Cureus.* 2022 Feb 14;14(2):e22199.
- 24) Barwar N, Sharma A, Sharma PP, Elhence A. Evaluation of Web-Based Information on Spine Tuberculosis. *Cureus.* 2022 Aug 23;14(8):e28321.
- 25) Barwar N, Kumar N, Kumar R, Sharma A, Choudhary MC. Spondyloptosis at Subaxial Cervical Spine with Minimal Neurological Compromise and Complete Recovery: A Rare Case Report. *J Orthop Case Rep.* 2022 Dec;12(12):118-121.
- 26) Garg A, Kamboj P, **Sharma PK**, Yadav U, Siwach RC, Kadyan V. Evaluation of functional outcome and comparison of three different surgical modalities for management of intertrochanteric fractures in elderly population. *International journal of burns and trauma.* 2022; 15;12(1):13-22.
- 27) Rohilla R, **Sharma PK**, Dua M, Singh R, Beniwal D, Khokhar A. Outcome of monolateral rail fixator in infected nonunion of femur diaphysis developing after



intramedullary fixation. European Journal of Orthopaedic Surgery & Traumatology. 2022 May 11:1-8.

- 28) Tiwari V, **Sharma PK**, Kumar VS, Poudel RR, Meena S, Banjara R. Changes in the Management of Malignant Bone Tumors in the COVID-19 Pandemic in Developing Countries. Cureus. 2022 May 23;14(5).
- 29) D VK, Kar S, Mittal R, Saurabh S, **Sharma PK**, Meena P. Transfibular ankle arthrodesis with use of sagittally split fibula as a biological plate leads to excellent outcome: A retrospective analysis. J Clin Orthop Trauma. 2023 Feb 11; 38:102125. doi: 10.1016/j.jcot.2023.102125.
- 30) Co-authored Book Titled: Atlas of signs in Neuroradiology. Published by Mahi Publishers, Ahmedabad. ISSN:9789394238862
- 31) Kaur M, Khatri K, Kankaria A, Dhir T, Arora H. Efficacy and safety of combined administration of erythropoietin and iron in comparison to iron therapy alone in orthopaedic surgery: systematic review and metanalysis. Acta Ortop Mex. 2021 Nov-Dec;35(6):547-556. English. PMID: 35793256.
- 32) Malhotra NK, Waraich HS, Khatri K. Assessment of vitamin D status in rheumatoid arthritis patients. International Journal of Health Sciences Sept.2022 ;6(S7):4499-504.
- 33) Malhotra NK, Waraich HS, Khatri K. Assessment of prevalence of Fat embolism in multiple trauma patients. Journal of Cardiovascular Disease Research. 2022 Oct10;:3179–82.
- 34) B. C. Dharmani and K. Khatri, "Deep Learning for Knee Osteoarthritis Severity Stage Detection using X-Ray Images," 2023 15th International Conference on Communication Systems & NETWORKS (COMSNETS), Bangalore, India, 2023, pp. 78-83, doi: 10.1109/COMSNETS56262.2023.10041355.

7. Detail of Book/Chapter published with indexing database

a. Chapter

- i. Dr Tarun Goyal et al. Barrier-Free Healthcare Design for Patients with Disabilities. In: Dinesh Bhatia et al. editors. A guide to Hospital Administration and Planning. 1st ed. Springer nature. DOI: 10.1007/978-981-19-6692-7

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

- (a) Number of Conference Organized Symposium on Complex hip arthroplasty.
- (b) Number of Workshop Organized 02
- i. Organized a public awareness program in the hospital premises on world osteoporosis day, 20 Oct 2022. Conducted a cadaveric workshop on total and reverse shoulder arthroplasty in 13 April 2022 at AIIMS Gorakhpur. Dr Nilesh Barwar

9. Number of Thesis Supervised MD/MS*

a. Supervisor in different Thesis

- i. Association between superior migration of humeral head, tear characteristics and functional outcomes in patients undergoing arthroscopic rotator cuff tear repair. Dr Tarun Goyal
- ii. Risk Stratified DVT chemoprophylaxis vs Aggressive DVT chemo-prophylaxis in patients following bilateral total knee replacement: A randomized controlled trial. . Dr Tarun Goyal
- iii. Assessment of spinopelvic parameters in the normative Indian population and comparison with patients of chronic low backache. Dr Nilesh Barwar

b. Co- Supervisor in Thesis

- i. Conventional MR and Diffusion-weighted imaging (DWI) evaluation of synovial pathologies of the knee with arthroscopy and histopathological correlation. Dr Tarun Goyal
- ii. Comparison between contoured and straight rod in restoration of segmental and regional lumbar lordosis in single level open transforaminal lumbar interbody fusion. Dr Nilesh Barwar
- iii. "Comparison of ocular perfusion pressure between two general anaesthesia maintenance protocols in adults scheduled for elective thoracolumbar spine surgeries in prone position; A prospective randomised controlled trial." Dr Nilesh Barwar.

10. OTHER ACHIEVEMENTS





DEPARTMENT OF PEDIATRIC SURGERY

Name of the Department	Pediatric Surgery
Head of the Department	Dr Navdeep Singh Dhoat

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1	Dr Navdeep Singh Dhoat	Associate Professor	
2	Dr Saswati Behera	Assistant Professor	21 April 2022

2. Brief Introduction of the department:

- a) Our team of consultant paediatric surgeons, nursing officers trained in paediatric care are dedicated, hardworking and highly qualified to provide the highest quality of treatment and management for your precious little children.
- b) The Department of Paediatric Surgery excels in the diagnosis and management of diseases (both surgical and medical) in a wide range of age group (neonates to adolescents). We are treating cases related to emergency and trauma, semi elective cases which require close observation and monitoring as well as planned surgical procedures. Currently, we are catering population from Punjab and adjoining states like Haryana, Rajasthan etc.

3. Services Available in the department:

- a) OPD services- new cases, preoperative management, revisits and follow ups
- b) Major OT services- Pediatric emergency, solid tumors, neurosurgery, urology and thoracic surgeries. Availability of minimal invasive services like laparoscopy and cystoscopy procedures.
- c) Minor OT services- daily dressing, cannulation and sampling, catheterisation, urethral calibration, suturing under local anaesthesia, CIC for bladder bowel management and neurogenic bladders.
- d) Procedures- barium enema studies, distal colograms, micturating cystourethrograms etc
- e) IPD patients and their management
- f) Pediatric emergency and trauma
- g) Neonatal care- NICU and surgery of babies born out of inpatient mothers.

4. 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 NAVDEEP SINGH DHOAT	Webinar & Live discussion Challenges in Pediatric Surgery	Emed4u (London) Paediatric Surgery	Emed4u (London)
2	Dr NAVDEEP SINGH DHOAT	A critical analysis of surgically correctable birth defects in IVF induced pregnancies as compared to normal pregnancies	MISWeek 2020, Honolulu, Hawaii, USA)	MIS
National conferences				
4	Dr Navdeep Singh Dhoat	A critical analysis of surgically correctable birth defects in IVF	Annual conference of Indian	IAPSCON



	(Best Paper Award)	induced pregnancies as compared to normal pregnancies	Association of pediatric surgeons	
		1. clinical and radiological profile in patients of head injury 2. Neonatal intestinal obstruction with a twist 3. Surgical management of megaureters	Presented 3 papers in 13th SELSICON & 12th IHSCON	SELSICON & IHSCON
5	Dr SASWATI BEHERA	1. Multimodal management of perianal rhabdomyosarcoma-case report	Annual conference of Association of pediatric surgical oncology (APSO)	PGIMER, CHANDIGARH (held in Sept 2022)
		2. Organising committee	Neonatal surgery update	PGIMER CHANDIGARH (held in April 2023)

5. Faculty achievements –awards, honours etc.

Sl.No.	Name of faculty	Award/honour	Event	Organised by
1	Dr Navdeep Singh Dhoat	Outstanding Clinician in Paediatric Surgery	4th Venus International Healthcare Awards	VIHA 2021
2	Dr Navdeep Singh Dhoat	Best Paper Award	Annual conference of Indian Association of pediatric surgeons	IAPSCON

6. Research activities undertaken in the department:

Sl No	Name & designation of PI	Title of the project	Source of support Intramural/extramural (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Navdeep Singh Dhoat (Associate Professor Paediatric Surgery)	To study the clinical profile and management of Surgically correctable congenital birth defects in an early Tertiary care hospital in north India.	Intramural		
2	Dr Navdeep Singh Dhoat (Associate Professor)	To study the clinical spectrum, demographic profile and parent	Intramural		



	Paediatric Surgery)	satisfaction of patients attending telehealth services in paediatric surgery OPD during COVID-19 pandemic at a tertiary care centre in north India			
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7. Papers and Books/chapters published by the department:

a) Dr Navdeep Singh Dhoat

1) Book

i. Clinical CME in paediatric surgery (Contributing Author)

2) Papers

Sl. No.	List of Papers in Vancouverstyle	Type of paper (Original article/ review / case report/ editorial)	Impact Factor
1	Dhoat P, Dhoat NS , Kaur A. Post-Covid complication in patients admitted to a tertiary care hospital in Northern India: A Prospective Study. Indian Journal of Applied Research. 2023; 13(02): 25-26.	Original article	1.939
2	Gagneja G, Dhoat NS, Kanwal A. Amikacin Induced Adverse Drug Reaction in Paediatric Patients: A Case Report. Iranian Journal of Pharmaceutical Sciences, 2023; IJPS-2304-2135	Original article	1.5
3	Dhoat P, Dhoat NS, Kaur A. COVID clinical epidemiology: Indian Perspective. International Journal of Medical Science in Clinical Research and Review.2022; 5(05): 327-332.	Original article	0.44
4	Dhoat P, Dhoat NS, Kaur A. Fibroscan-based score to predict liver fibrosis in patients with liver disease and its correlation with anthropometric measurements. International Journal of Medical Science in Clinical Research and Review.2022; 5(05): 585-592.	Original article	
5	Dhoat NS, Arora M, Karunakaran S, Dhoat PS. Evaluation of Surgically Correctable Birth Defects in In Vitro Fertilization Induced Pregnancies as Compared to Normal Pregnancies. Journal of Indian Association of Pediatric Surgeons, 2021; JIAPS_25_21	Original article	1.19
6.	Singh S, Dhoat NS, Dhanika NK. Gene-editing, immunological and iPSCs based therapeutics for muscular dystrophy. European Journal of Pharmacology. 2021; 912 (174568):1 -14	Original article	4.432
7	Singh L, Dhoat NS et al .A clinical study of fetal outcome following early and delayed cord clamping in births associated with anemia in pregnancy. Journal of Family Medicine and Primary Care. 2022; 11 (05): 1789-93	Original article	0.9
8	Lal R, Dhoat NS et al. non-variceal gastrointestinal bleed in children: surgical experience with emphasis on	Co author	1.476



	management challenges. Pediatric Surgery International ISSN 0179-0358 Pediater Surg Int https://doi.org/10.1007/s00383-019-04522-0		
9	Correlation of cervical lymphadenopathy of maxillofacial region in children and adults	Corresponding author	
10	Ocular Morbidity in School Age Children of North Indian Population – A Hospital Based Retrospective Study	Corresponding author	
11	Pilot study to Evaluate Surgically Correctable Birth Defects in In Vitro Fertilization Induced Pregnancies as Compared to Normal Pregnancies	First author	
12	The Clinico-Radiological profile and outcome in patients of Traumatic brain injury at Tertiary care center	First author	
13	Gene-editing, immunological and iPSCs based therapeutics for muscular dystrophy	Co author	

b) Dr Saswati Behera

1) Research papers-

- i. **Incidental Long Makuuchi ligament and its surgical relevance in pediatric hepatic resection- Journal of Pediatric Surgery Case Reports Nov 2022 (Indexed)- Citation- Behera S, Tripathy BB, Sahoo SK, Pattnaik B, Manekar AA, Sable MN, et al. Incidental long makuuchi ligament and its surgical relevance in pediatric hepatic resection. Journal of Pediatric Surgery Case Reports. 2022; 86:102473. doi:10.1016/j.epsc.2022.102473**
- ii. **Pediatric perianal rhabdomyosarcoma- multimodal therapy for tumor control-** published in *Pediatric Blood and Cancer* OCT 2022, (**pubmed indexed**)- (Citation-Behera S, Mahajan JK, Bansal D. Pediatric perianal rhabdomyosarcoma: Multimodal therapy for tumor control. *Pediatr Blood Cancer*. 2022;69(10):e29677. doi:10.1002/pbc.29677)
- iii. **Tracheoesophageal Fistula with Bilateral Facial Cleft: A Rare Occurrence- Journal of Indian Association of Pediatric surgeons (Pubmed indexed) (Citation- Peters NJ, Behera S, Bade R, Dogra S, Solanki S, Samujh R. Tracheoesophageal fistula with bilateral facial cleft: A rare occurrence. Journal of Indian Association of Pediatric Surgeons. 2023 May 1;28(3):260.**

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

Training activities conducted, surgeries, camps, etc.



Dr Navdeep Singh Dhoat

1. **ROBOTIC PAEDIATRIC SURGERY TRAINING COURSE FOR 1 YEAR NOV 2021 TO NOV 2022 (PGI CHANDIGARH)**
2. Certificate course Participant in Urban Health Fundamentals Course from 1st may to 31st may 2023 at St. Johns Research Institute Bangalore.
3. Trainer course for COVID 19 advanced course in Integrated Healthcare Training Course, conducted by distance education unit of Christian medical college, Vellore supported by TATA TRUSTS (Trainee No -T19003) -2021
4. Certification course of Participation for Diagnosis, Management, and Evidence-based discussion on irritable bowel syndrome on November 4, 2022.

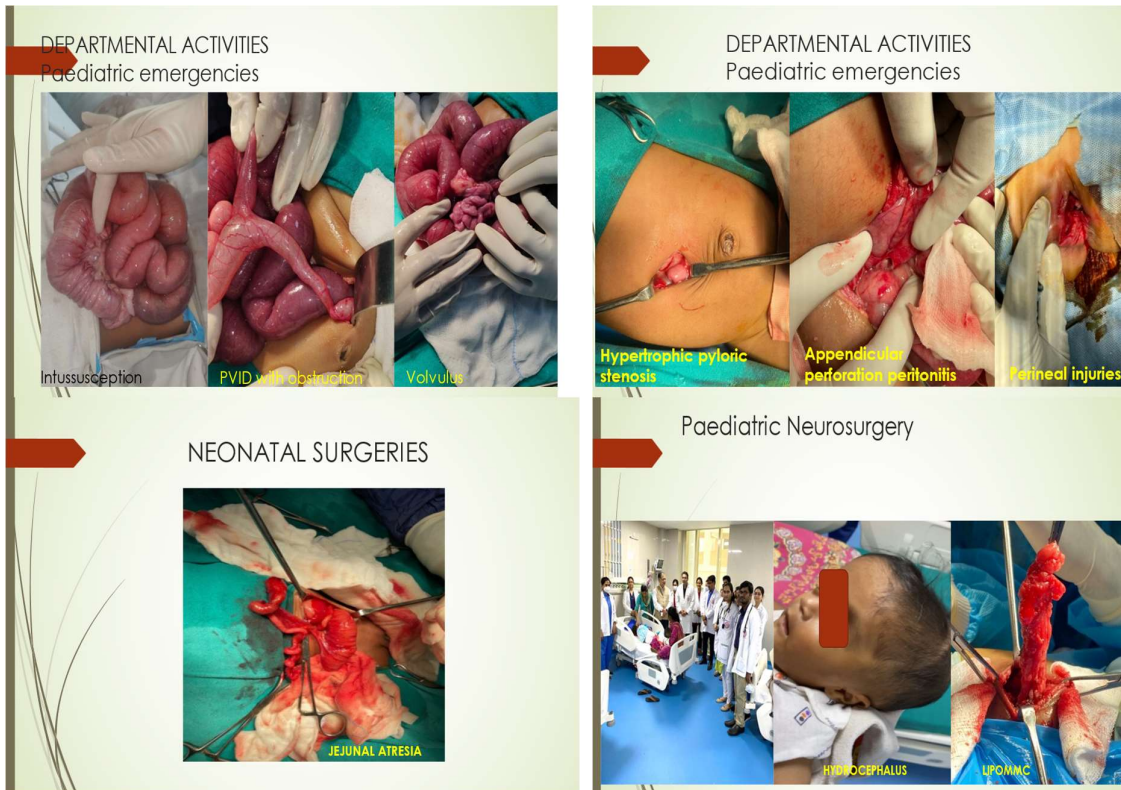
9. Any other achievement

- a) Started Langar service in AIIMS, Bathinda
- b) Started 1st Sampling of COVID AIIMS, BATHINDA
- c) Nodal officer for hemophilia and thalasemia AIIMS bathinda
- d) Member infection control committee
- e) Members bmw committee
- f) Member aefi team for covid vaccination
- g) Member AIIMS vpd surveillance team
- h) Subject expert general paediatric surgery for recruitments
- i) Member of antimicrobialstewardship committee (amsp), AIIMS Bathinda

10. Awards/recognition/honors with year of the award:

- a) Best Paper Award - 18th October 2022, E-IAPSCON (Annual Conference of Indian Association of Paediatric surgeons). Title: A critical analysis of surgically correctable birth defects in IVF induced pregnancies as compared to normal pregnancies
- b) Award (Outstanding Clinician in Paediatric Surgery): Selected for 4th Venus International Healthcare Awards – VIHA 2021 to be received on 6 November 2022
- c) FCLS (Fellow International College of Laparoscopic Surgeons) awarded on September 2022 at MAMC, New Delhi
- d) MNAMS (Received Letter – Under Process)
- e) Book - CLINICAL CME IN PAEDIATRIC SURGERY (Contributing Author)
- f) Presented 3 papers in 13th SELSICON & 12th IHSCON 2022 –
- g) 3 Scientific Paper 30th to 31st OCT 2022
- h) Best Speaker Award – Webinar & Live discussion Emed4u (London) Paediatric Surgery
- i) Completed all MCI Training Programs (Basic, Revised Basic, Advanced, AETCOM, CISP)
- j) Organised Virtual CME on “Challenges In Young Hypertension” - 26 March 2022
- k) Course: COVID -19 Integrated Healthcare Training Course, CMC,Vellore, Feb 2022(Trainer Now)
- l) Recent Member – The Society of Laparoscopic and Robotic Surgeon
- m) Swachhta Pakwada 2021 week was celebrated from 27 sept to 2 oct 2022. Awarded the Best poster award on the same. Participated in the slogan writing competition and quiz competition as well.

- n) Won 2nd prize in quiz competition held on central vigilance awareness week celebrated from 26 oct to 1st nov 2022.
- o) Won 1st prize men double and mixed double in interdepartmental badminton tournament held on 1st and 2nd November. The tournament was held by central bank of India in collaboration of municipal corporation, AIIMS & CA association of Bathinda.
- p) Won 1st price in cricket IMA tournament
- q) Won 2nd price in men double tennis tournament
 - 1) A growth of 22.5 % in OPD patients as compare to previous year.
 - 2) Nearly 12.34 % rise in IPD patients in a single year





DEPARTMENT OF PATHOLOGY

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

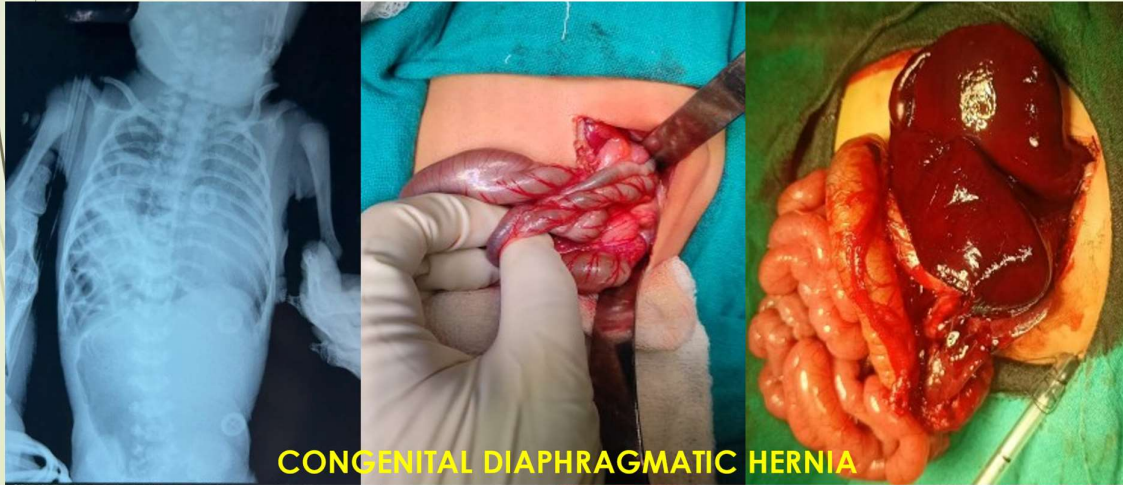
1. Faculty Details:

Sl.No	Name of faculty	Designation	Date of Joining
1.	Dr Manjit Kaur	Additional Professor	13.11.2019 (as Assistant Professor) 5.7.2022 as Additional Professor
2.	Dr Manmeet Kaur	Assistant Professor	30.1.2020 (DOJ) 17.8.2022 (DOR)
3.	Dr Jasmeen Kaur	Assistant Professor	20.1.23 (DOJ) 15.5.23 (DOR)
4.	Dr Gargi Kapatia	Assistant Professor	13.9.21
5.	Dr Ankita Soni	Assistant Professor	8.2.23

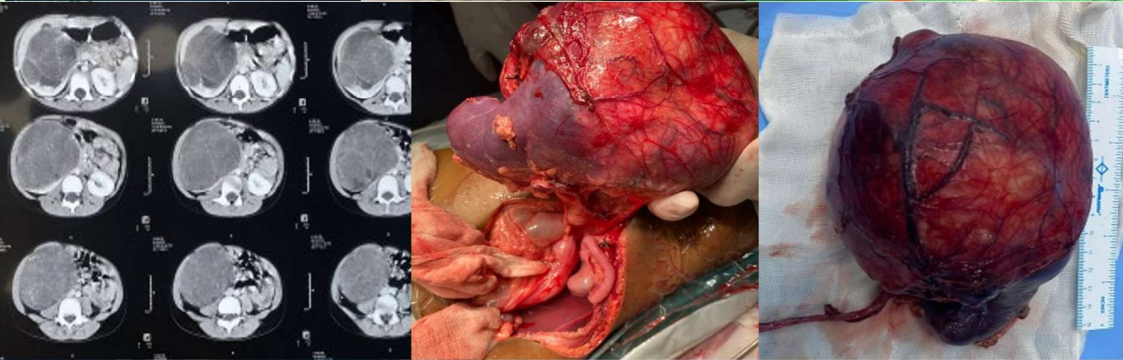
2. Brief Introduction of the department:

- a) **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.
- b) **Academics:** 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.
- c) **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 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.

ELECTIVE RARE CASES



CONGENITAL DIAPHRAGMATIC HERNIA



PEDIATRIC MALIGNANCY



Paediatric Urology



HYPOSPADIAS

OMPHALOCELE EPISPADIAS COMPLEX

URETERIC REIMPLANTATION



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

Sl. No.	Name of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
National conferences				
1.	Dr Gargi Kapatia	November (Poster Presentation): Myeloid Sarcoma- A Rare Case Presentation	HEMATOCON 2022	Eastern Hematology Group and ISHBT, Kolkata
2.	Dr Gargi Kapatia	(Oral Presentation): Expression of Proteinase activated Receptor 2 (PAR2) as a Correlate of Concern in Triple-negative Breast Cancer (TNBC)	APCON 2022 December	Ramaiah Medical College and Karnatak Chapter of IAPM Bangalore
3.	Dr Dhvani (Guided by Dr Manjit Kaur)	(Poster Presentation): Acral Persistent Papular Mucinosis- A Rare Case Presentation	DSI 2022 November	PGIMER CHD
4.	Dr Akriti (Guided by Dr Manjit Kaur)	(Poster Presentation): Intraosseous hemangioma- A Rare entity	Thalassemia Conclave 2022 May	Department of pathology AIIMS Bathinda
5.	Dr Utkarshni (Guided by Dr Manjit Kaur)	(Poster Presentation): Papillary cervical carcinoma- A Rare case presentation	Thalassemia Conclave 2022 May	Department of pathology AIIMS Bathinda
6.	Dr Akula Madhuri Priyanka (Guided by Dr Manjit Kaur)	(Poster Presentation): Epidermal inclusion cyst in 4 th ventricle of Brain	Conference of NW Chapter IAPM	DMC Ludhiana
7.	Dr Dhvani (Guided by Dr Manjit Kaur)	(Poster Presentation): Burkitt's Lymphoma in Tonsils' – A rare entity	Conference of NW Chapter IAPM	DMC Ludhiana

4. Faculty achievements –awards, honours etc

SI No	Name of faculty	Award/honour	Event	Organised by
1.	Dr Manjit Kaur	International Outstanding Researcher Award Research \$ Acedemic Excellence in Pathology	Asia Research Awards	Asia's Sciences, Technology & Research Awards Congress (ASTRA) 2023



5. Research activities undertaken in the department:

Sl.no.	Name & designation of PI	Title of the project	Source of support Intramural/ extramural (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr Manjit Kaur	To study the prevalence and spectrum of hemoglobinopathies in the region of Punjab	Blood Cell NHM Punjab	Ongoing	60,000 (recurring)
2	Dr Manjit Kaur	To start testing and treatment for Haemoglobinopathies and Hemophilia (Blood Bank Part and Treatment part)	MoHFW	Ongoing	28,47,000 (recurring)
3	Dr Manjit Kaur	Screening of Thalassemia	MoHFW	Ongoing	470640 (recurring)
4	Dr Manjit Kaur (Co-PI)	Unravelling the role of long non-coding RNA(s) in the development and progression of esophageal squamous cell carcinoma	DST-INSPIRE Grant No. IF180680 and RSM Grant from CUPB	Completed	29 lacs
5	Dr Manjit Kaur (Co-PI)	Expression profiling of MicroRNA in blood samples from various stages of cancer patients as novel diagnostic and prognostic biomarker for early detection of cancer	HSCSIT	Ongoing	20 Lacs
6	Dr Manjit Kaur	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	Intramural Project	Ongoing	Non-Funded
7	Dr Manjit Kaur	To evaluate association of Human papillomavirus infection in Breast Cancer in Malwa Region of Punjab	Intramural Project	Ongoing	Self funded
8	Dr Gargi Kapatia	To evaluate cyto-histopathological correlation of thyroid lesions- A two-year prospective study	Intramural Project	Ongoing	Non Funded
9	Dr Manjit Kaur	A prospective study to evaluate Anaemia as Disease burden in Geriatric patients at a Tertiary care centre in Punjab	Intramural Project	Completed	Non Funded
Projects submitted					
10	Dr Gargi Kapatia	Clinicohistopathological and Dermoscopic spectrum of cutaneous tumors in a tertiary care institute of north India	Intramural Project	Submitted	Non Funded



11	Dr Ankita Soni	Audit of Preanalytical phase in surgical Histopathology laboratory in AIIMS Bathinda	Intramural Project	Submitted	Non Funded
12	Dr Gargi Kapatia	Comparative analysis of Platelet Indices between patients with Proteinuric and Non-Proteinuric Diabetic Nephropathy'	STS project	Submitted	50,000 Stipend
13	Dr Manjit Kaur	FIST Program of the Department of Science and Technology	DST	Submitted	3.45 Cr
14	Dr Manjit Kaur	Evaluation of SOX9 gene expression as a Predictive and Prognostic Biomarker in Carcinoma Breast	SERB	Provisionally Accepted	20 Lacs
15	Dr Manjit Kaur	Study on the interplay between Human Papillomaviruses and Long Non-coding RNAs in the Oncogenesis of esophageal Squamous cell carcinoma	CSIR-ASPIRE	Submitted	25 lacs

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

- a) Sharma U, Barwal TS, Khandelwal A, **Rana MK**, Rana APS, Singh K and Jain A (2022) Circulating Long Non-Coding RNAs LINC00324 and LOC100507053 as Potential Liquid Biopsy Markers for Esophageal Squamous Cell Carcinoma: A Pilot Study. *Front. Oncol.* 12:823953. doi: 10.3389/fonc.2022.823953
- b) Uttam Sharma, Manjit Kaur Rana, Karuna Singh, Aklank Jain. LINC00324 promotes cell proliferation and metastasis of esophageal squamous cell carcinoma through sponging miR-493-5p via MAPK signaling pathway. *Biochemical Pharmacology*. Volume 207. 2023,115372,ISSN 0006-2952,https://doi.org/10.1016/j.bcp.2022.115372.
- c) Manjit Kaur Rana, Amrit Pal Singh Rana, Uttam Sharma, Tushar Singh Barwal, Aklank Jain, "Evolution of Frozen Section in Carcinoma Breast: Systematic Review", *International Journal of Breast Cancer*, vol. 2022, Article ID 4958580, 7 pages, 2022. https://doi.org/10.1155/2022/4958580
- d) Karuna Singh , Eastpal Singh , Manjit Kaur Rana , Pardeep Sharma , Sheetal Sachdeva. Adherence to Radiotherapy in the Treatment of Cancer Patients: A Tertiary Care Institute Experience at Punjab. *VOL 7 NO 1 (2022) DOI 10.31557/APJCC.2022.7.1.3-8*
- e) Manjit K. Rana , Amrit Pal S. Rana , Aklank Jain , Akhilesh Pathak , Utkarshni Khera Sr. , Uttam Sharma , Akriti Jindal , Karuna Singh. *Cureus* 14(6): e25773. DOI 10.7759/cureus.25773
- f) Akriti Jindal, Gargi Kapatia, Manjit Kaur Rana, Mahendra Pratap Singh. Lymphocytic emperipolesis in breast carcinoma on cytology smears—A curious finding! https://doi.org/10.1111/cyt.13264
- g) Bansal S, Singh S, Rana MK. Sweet Syndrome Localized to the Face. *Indian J Dermatol.* 2023 Mar-Apr;68(2):222-225. doi: 10.4103/ijd.ijd_961_22. PMID: 37275800; PMCID: PMC10239002.
- h) Khera U, Kapatia G, Rana MK. Incidental detection of microsporidium spores on Ziehl-Neelson staining done on cervical pap smear. *Cytojournal.* 2023 Apr 5;20:9. doi: 10.25259/Cytojournal_54_2022. PMID: 37151480; PMCID: PMC10159317.
- i) Jindal A, Kapatia G, Rana MK, Rajan N, Khera U. Fine Needle Aspiration Cytology of Maxillary Ameloblastoma: A Cytological Eye-Opener. *J Cytol.* 2023 Jan-Mar;40(1):49-50. doi: 10.4103/joc.joc_106_22. Epub 2023 Mar 10. PMID: 37179962; PMCID: PMC10167829.



- j) Jindal A, Kapatia G, Kaur Rana M. Metastatic germ cell tumor in ascitic effusion cytology- Is it that uncommon? *Diagn Cytopathol.* 2023 Jan;51(1):101-102. doi: 10.1002/dc.25069. Epub 2022 Oct 29. PMID: 36308413.
- k) Kapatia G, Saikia A, Mohapatra DS, Gupta P, Rohilla M, Gupta N, Srinivasan R, Rajwanshi A, Dey P. The cytological diagnosis of *Pneumocystis jiroveci* pneumonia in bronchoalveolar lavage. *Cytojournal.* 2023 Jan 25;20:2. doi: 10.25259/Cytojournal_5_2022. PMID: 36751555; PMCID: PMC9899465. (Original Article)
- l) Gupta P, Kapatia G, Gupta N, Ballari N, Rai B, Suri V, Rajwanshi A. Mismatch Repair Deficiency in Adult Granulosa Cell Tumors: an Immunohistochemistry-based Preliminary Study. *Appl Immunohistochem Mol Morphol.* 2022 Sep 1;30(8):540-548. doi: 10.1097/PAI.0000000000001051. Epub 2022 Aug 15. PMID: 35960021. (Original Article)
- m) Kapatia G, Kaur S, Kumar S, Laroia I, Singh G, Sharma M, Bal A, Luthra-Guptasarma M. Expression of Proteinase-activated Receptor 2 (PAR2) as a Correlate of Concern in Triple-negative Breast Cancer (TNBC). *Appl Immunohistochem Mol Morphol.* 2022 Jul 1;30(6):446-452. doi: 10.1097/PAI.0000000000001025. Epub 2022 Mar 22. PMID: 35797677. (Original Article)
- n) Kapatia G, Chatterjee D, Gupta K, Trehan A. Fibrous hamartoma of infancy with sarcomatous transformation: an unusual morphology. *Autops Case Rep.* 2022 Apr 28;12:e2021380. doi: 10.4322/acr.2021.380. PMID: 35574046; PMCID: PMC9083879.
- o) Soni A, Dhanota DS, Tyagi R, Chaudhary AK, Kaur H, Sood N. Contiguous Lumbar Vertebral Involvement with Vertebral Collapse in Giant Cell Tumor: A Usual Tumor with an Unusual Presentation. *J Lab Physicians.* 2022 Jul 26;15(1):156-158.
- p) Singh B, Gupta RK, Tandon R, Soni A, Kaur H, Mohan B, Wander GS. Prolapsing giant right atrial myxoma in a young male presenting as pulmonary embolism. *Echocardiography.* 2022 Apr;39(4):645-646.
- q) Narang V, Jindal S, Garg B, Kaur H, Soni A. Intranasal glioma (Nasal heterotopia): A rare cause of nasal polyp in neonates. *Indian J Pathol Microbiol.* 2022 Oct-Dec;65(4):911-913
- r) Soni A, Jindal S, Narang V, Garg B, Kaur H. Basal Cell Carcinoma and Intra-Dermal Nevus: An Addition to BCC Associated "MUSK IN A NEST". *Indian J Dermatol.* 2022 Jul-Aug;67(4):481.
- s) Soni A, Jindal S, Singh G, Verma P, Singh A. Disseminated abdominal tuberculosis mimicking as advanced gastric carcinoma: A report of potentially devastating entity. *Indian J Pathol Microbiol.* 2023 Jan-Mar;66(1):207-208.
- t) Aminder S, Saveena J, Ankita S, Harpreet K, Kunal J, Vikram N, Sumit G, Bhavna G, Ramneek K. Histopathological Predictors of Microsatellite Instability in Colorectal Cancer-a Tertiary Care Center Experience. *Indian J Surg Oncol.* 2023 Mar;14(1):137-143.
- u) Narang V, Jindal S, Soni A, Kaur H, Ahluwalia A, Kakkar C, Chahal HS. Synchronous Clear Cell and Papillary Renal Cell Carcinoma: Dual Tumour of Same Kidney. *Indian J Surg Oncol.* 2022 Dec;13(4):780-782.
- v) Soni A, Jindal S, Narang V, Singh A, Paul D, Kaur H. Isolated pancreatic myeloid sarcoma: A potential mimicker of pancreatic adenocarcinoma. *Indian J Pathol Microbiol.* 2022 Jul-Sep;65(3):676-678.
- w) Kaur J, Kaur M. The autopsy practice and pathology in COVID-19. *J Family Med Prim Care.* 2022 Aug;11(8):4215-4218. doi: 10.4103/jfmpc.jfmpc_2359_21. Epub 2022 Aug 30. PMID: 36352997; PMCID: PMC9638549.
- x) Goyal LD, Garg P, Kaur M. Vulvar leiomyoma in an adolescent girl: a case report and review of the literature. *J Med Case Rep.* 2023 Feb 13;17(1):68. doi: 10.1186/s13256-022-03743-7. PMID: 36782265; PMCID: PMC9926796.

7. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Dr Manjit Kaur

1. Research papers	10
2. Book/Book chapter	Nil
3. Number of citations*	260
4. i10 index*	07
5. h-index*	07

Dr Gargi

1. Research papers	07
2. Book/Book chapter	Nil
3. Number of citations*	130
4. i10 index*	03
5. h-index*	06

Dr Ankita Soni

1. Research papers	08
2. Book/Book chapter	Nil
3. Number of citations*	25
4. i10 index*	01
5. h-index*	03

(According to Google Scholar database)

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



Training of Research Scholars under Accelerate Vigyan Scheme



Workshop Organized for Research Scholars under Accelerate Vigyan Scheme



Camp organized for awareness of Thalassemia patients



A view of inauguration of Hemophilia Update 2022



Glimpses of the 1st Thalassemia Conclave 2022

- a) Training activities conducted, surgeries, camps, etc.
 1. Training of Research Scholars under Accelerate Vigyan Scheme (SERB India)
 2. Workshop Organized for Research Scholars under Accelerate Vigyan Scheme (SERB India) Pathology/ 02
 3. Camp organized for awareness of Thalassemia patients
 4. Number of Conference Organized
 5. 1st Thalassemia Conclave 2022 Pathology /04
 6. Hemophilia Update 2022 Pathology/ 05
 7. 2nd Pathology Update Pathology/06
- b) Number of Thesis Supervised MD/MS
 1. Unraveling the role of novel long non-coding RNAs in the development and progression of esophageal cancer (Phd)
 2. Immunohistochemical expression and its correlation with prognostic factors of carcinoma breast (MD)
 3. Immunohistochemical expression of FOX A1 and its correlation with estrogen, progesterone, and human epidermal growth receptor 2 neu status in patients of carcinoma breast. (MD)

9. Any other achievement

- a) Dr Manit Kaur- Certificate course in DATA Management and Analysis in MS EXCEL Module 1 2022



DEPARTMENT OF PHARMACOLOGY

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

1. Faculty Details:

Sl.no	Name of faculty	Designation	Date of Joining
1.	Dr. Gagandeep Kwatra	Additional Professor	16 th Aug, 2023
2.	Dr. Mintu Pal	Associate Professor	10 th Sept, 2021
3.	Dr. Abhinav Kanwal	Assistant Professor	08 th Nov, 2019
4.	Dr. Rachna	Assistant Professor	22 nd July, 2022
5.	Dr. Vikas Kumar	Assistant Professor	21 st Aug, 2023

2. Brief Introduction of the department:

To include the department vision, academics and patient related services being provided by the department. (*Max 200 words*).

Vision: The vision is to seamlessly blend pharmacology with patient care. We plan to initiate therapeutic drug monitoring as part of our clinical services while bolstering the integration of clinical pharmacology into our academic teaching curriculum. Furthermore, we are extending our initiatives to encompass the establishment of a National Poison Information Centre in the near future.

Notably, our AIIMS Bathinda facility has been successfully operating a Pharmacovigilance Program since 2021 and recently we have started the Antimicrobial Stewardship Program. In addition to this, we are firmly committed to the creation of a state-of-the-art Pharmacogenomics Lab, which will significantly enhance our capacity in the realm of personalized medicine and patient care.

Moreover, we are dedicated to expanding awareness programs through the Pharmacovigilance Program to nearby health centres, Primary Health Centres (PHCs), and civil hospitals. These initiatives aim to promote awareness among both patients and clinicians, fostering a culture of informed decision-making in healthcare.

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

Number of Papers presented in National Conference* **17 (Seventeen)**

Number of Papers presented in International Conference* **2 (Two)**

Sr No	Name of faculty	Title/Topic	Details of the Event	Organised by
National Conferences				
1	Dr Abhinav Kanwal	CME on Scientific Publication at Central University of Punjab, Bathinda.	Invited as invited speaker on 16 th March, 2023	Central university of Punjab, Bathinda
		68 th Annual National conference of Association of Physiologists and Pharmacologists of India	Invited speaker and presented a paper 12-15 th December, 2022	PGIMER Chandigarh and GMCH, Chandigarh in Association of Physiologists and



				Pharmacologists of India
		National conference on Basics of research methodology at Central University of Punjab, Bathinda.	As an invited speaker 3 rd December, 2022	Central university of Punjab, Bathinda
		Stakeholders Conclave for Establishing Early Clinical Trial Capacity in Indian Public Institutes, New Delhi	As an invited faculty on 17 th September, 2022	Indian Society of Clinical Research (ISCR) and Drugs for Neglected Diseases initiative (DNDi)
		Benefit risk management in Pharmacovigilance	24 th June 2022	Indian Pharmacopoeia mission, Govt of India
		Good clinical Practice Program	Certification of completion on 10 th September, 2022	Dr Reddy's and AIIMS Rishikesh
		Pharmacovigilance Week for health care professional	Organizer and speaker , 17-23 September, 2022	Department of Pharmacology , AIIMS Bathinda
		CME on Scientific Publication at Central University of Punjab, Bathinda.	Invited as invited speaker on 16 th March, 2023	Central university of Punjab, Bathinda
2	Dr. Rachna	Faculty speaker in ADR sensitization symposium under National Pharmacovigilance week	24 th September 2022	Department of Pharmacology, AIIMS Bathinda
		Faculty speaker in 38 th Annual National Workshop on Clinical Pharmacology (NWCP, 2022)	22 nd to 27 th August 2022	PGIMER Chandigarh
		Faculty speaker in 68 th Annual National Conference of Association of Physiologists and Pharmacologists of India (APPICON 2022)	12 th December 2022	PGIMER Chandigarh
		Resource faculty for pre-conference workshop on "Hands-on workshop on systematic reviews and meta-analysis" in 25 th Annual Conference of North Zone Chapter Indian Association of Preventive and Social Medicine (NZ-IAPSMCON 2022)	10-11 th December 2022	Department of community and family medicine, AIIMS Bathinda
		Jury Member for scientific presentation category in National Science Festival (NSF 2023)	27-28 th February 2023	SMS Medical College, Jaipur



		Faculty in “Critical Appraisal of Published Literature and Research Methodology Workshop” via online platform	18 th March 2023 and 25 th March 2023.	Royal College of Physicians and Surgeons of Glasgow, UK
		Faculty speaker in workshop on “Basics of systematic review and meta-analysis”	21 st March 2023	CUPB, Bathinda
3	Dr. Mintu Pal	Pharmacovigilance Week for healthcare professional	17-23 September, 2022 (Organizer/speaker and resource person)	Department of Pharmacology , AIIMS Bathinda
		Stakeholders conclave for establishing Early Clinical Trial Capacity in Indian Public Institutes, New Delhi	17 th September, 2022 (Invited Faculty)	Indian Society of Clinical Research (ISCR) and Drugs for Neglected Diseases initiative (DNDi)
		SCAMPER 2022- QUIZ, MODELS, CONCEPT MAP, ROLE PLAY, ANATOMY ART ON LIVE CANVAS	10-Sep-2022 (Judging Models)	Departments of Anatomy, Physiology & Biochemistry, AIIMS Bathinda
		National Conference cum workshop on Pharmacokinetics and Pharmacodynamics.	11-Mar-2023 (Chairperson and resource person)	Department of Pharmacology, AIIMS Bathinda
International Conferences				
1	Dr Abhinav Kanwal	ACMR-2023 (Advances in cardiovascular Medicine and Research)	Resource faculty and presented paper on 16-18 th February, 2023	Cardiovascular research group PGIMER Chandigarh
2	Dr. Rachna	Assessment of availability of essential antimicrobial agents in north India”	Oral poster presentation in Antimicrobial Chemotherapy Virtual Conference (ACC) 2023 on 2 nd February 2023	British Society for Antimicrobial Chemotherapy (BSAC) and Global Antibiotic Research and Development Partnership (GARDP)



4. Faculty achievements –awards, honours etc

Number of Awards Received * **Two**

Number of Recognition Received* **One**

Sl. No.	Name of faculty	Award/honour	Event	Organised by
1.	Dr Abhinav Kanwal	Selected as Council member	IACS-nominations	International Academy of Cardiovascular Sciences
2.	Dr Abhinav Kanwal	Appreciation for contributing towards ICSRs to National Coordination Centre Pharmacovigilance Programme of India	NCC-PvPI Assessment	Indian Pharmacopoeia Commission, National Coordination Centre (NCC) Pharmacovigilance Programme of India (PvPI).
3.	Dr. Rachna	Selected as Assistant Director, Training Committee, SASPI	SASPI Foundation member nominations	SASPI (Society of Antimicrobial Stewardship Practices in India)

5. Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency with amount ***1 (One)**

Number of **Project Submitted** with the name of Funding Agency* **4 (Four)**

Number of **Project undergoing** with the name of Funding Agency* **8 (Eight)**

Sl. No.	Name & designation of PI	Title of the project	Source of support Intramural/extramural (PI mention details)	Status (ongoing/ completed)	Budget
Projects submitted					
1	Dr Abhinav Kanwal, Assistant Professor, Department of Pharmacology, AIIMS Bathinda	Treatment of Doxorubicin-induced cardiac toxicity by novel mitochondria-targeted antioxidants (ICMR-DFG)	Role: As a Principal Investigator ICMR-FDG grant	Status: Project submitted. Under scrutiny	1.2 Crores
		Treatment of Doxorubicin-induced cardiac toxicity by novel mitochondria-targeted antioxidants: An in-silico approach, in-vitro study and in animal trials	Role: As a Principal Investigator DST-SERB grant	Status: Accepted for evaluation	66.56 Lakh
2.	Dr. Rachna, Assistant Professor,	Impact of multipronged interventions	ICMR grant (Extramural)	Technical approval granted by	1.5 Crores



	Department of Pharmacology, AIIMS Bathinda	targeting healthcare professionals in reducing surgical site infections and identifying the challenges in adoption of these interventions-implementation research.	PI: Dr. Rachna, Assistant Professor, Department of Pharmacology, AIIMS Bathinda	ICMR, New Delhi	
3.	Dr. Mintu Pal, Associate Professor, Department of Pharmacology, AIIMS Bathinda	Urine biomarkers for early detection and risk assessment of Prostate cancer: A Cross-Sectional Study	Role: As PI Core Research Grant (CRG), SERB, Govt of India	Status: Accepted for evaluation	21.17 Lakh
		Cancer-Associated Fibroblast Predicts Prognosis of Bladder Cancer Modulated through Somatic Mutation and Cancer Stem Cells in Urine Samples: A Promising Non-invasive Tool.	Role: As PI ICMR, Govt of India	Status: Accepted for evaluation	85.23 Lakh
Projects Completed/Ongoing					
4	Dr Abhinav Kanwal	To elucidate the functional role of Sirt6 in knee osteoarthritis patients of the Indian population,	Extramural Grant ICMR-New Delhi PI: Mr. Nikhil Gupta (MBBS Student, Batch 2020) Role: As Guide	Completed	50,000
		To study the correlation of SOX-9 polymorphism with Osteoarthritis risk in Indian population	Intramural, AIIMS Bathinda Co-PI: Dr Abhinav kanwal	On-going	--
		Exploring the role of mitochondria-targeted antioxidants against chemotherapy-induced side	Extramural Grant ICMR-New Delhi PI: Dr Abhinav kanwal	On-going	20 Lakh



		effects in mice heart,			
		Understanding the functional role of sirtuins in high fat diet induced heart failure.	Extramural Grant ICMR-New Delhi PI: Dr Abhinav kanwal	On-going	14.20 Lakh
		Health-Related Quality of Life in Patients with Epilepsy Receiving Anti-Epileptic Drugs in A Tertiary Care Teaching Hospital in North India: A Cross-Sectional Study	Intramural AIIMS Bathinda PI: Dr Abhinav kanwal	On-going	--
		A Research based surveillance associated with adverse drug reaction of Covid-19 in Indian Population	Intramural AIIMS Bathinda PI: Dr Abhinav kanwal	On-going	--
		Amikacin Induced Adverse Drug Reaction In Paediatric Patients: A Case Report	AIIMS Bathinda PI: Dr Abhinav kanwal	On-going	--
5	Dr. Rachna, Assistant Professor, Department of Pharmacology, AIIMS Bathinda	A multicentric point prevalence survey of antimicrobial prescription, AMR and HAI in tertiary care hospitals in India	Site PI: Dr. Rachna Rohilla, AIIMS Bathinda Central coordinating site: PGIMER Chandigarh	Ongoing	--
		Drug Information Service in a tertiary care hospital and its clinical importance: A prospective analysis.	PI: Dr. Rachna Rohilla AIIMS Bathinda	Ongoing	--
6.	Dr. Mintu Pal	Exploring the diagnostic potential of a	PI: Mr. Archit Goel (MBBS Student, Batch 2020)	Completed	50,000



	novel panel of proteomic exosomal urine biomarkers for non-invasive early clinical detection of Prostate cancer: A Cross-Sectional Study	Role: As Guide		
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6. Papers and Books/chapters published by the department:

a) Faculty Profile Details:

Name of the Faculty	Index details ((According to Google Scholar database))
Dr Abhinav Kanwal	Research papers: 4 Patent: 1 I10 index: 22 H-index: 16
Dr. Rachna	Research papers: 4 Book chapters: 1 I10 index: 1 H-index: 4
Dr. Mintu Pal	Research Papers: 4 (plus 2 review articles) I10 index: 42 H-index: 29

b) Publications details: Research/review articles 14; Book chapters 1; Patent 1.

Name of the Faculty	Publications
Dr. Abhinav Kanwal	1. Singh SP, Bhatnagar A, Singh SK, Patra SK, Kanwar N, Kanwal A* , Amar S, Manna R. SARS-CoV-2 infections, impaired tissue, and metabolic health: pathophysiology and potential therapeutics. <i>Mini-Reviews in Medicinal Chemistry</i> . 2022 Sep 1;22(16):2102-23. (IF-3.737)
	2. Singh P, Kumar N, Singh M, Kaur M, Singh G, Narang A, Kanwal A , Sharma K, Singh B, Napoli MD, Mastana S. Neutrophil Extracellular Traps and NLRP3 Inflammasome: A Disturbing Duo in Atherosclerosis, Inflammation and Atherothrombosis. <i>Vaccines</i> . 2023 Jan 25;11(2):261. (IF-7.76)
	3. Garg Y, Kanwar N, Chopra S, Tambuwala MM, Dodiya H, Bhatia A, Kanwal A* . Microbiome Medicine: Microbiota in Development and Management of Cardiovascular Diseases. <i>Endocrine, Metabolic & Immune Disorders-Drug Targets (Formerly Current Drug Targets-Immune, Endocrine & Metabolic Disorders)</i> . 2022 Dec 1;22(14):1344-56. (IF-1.97)
	4. Anuranjana PV, Beegum F, Divya KP, George KT, Viswanatha GL, Nayak PG, Kanwal A , Kishore A, Shenoy RR, Nandakumar K. Mechanisms behind the pharmacological application of biochanin-A: a review. <i>F1000Research</i> . 2023 Jan 27;12(107):107 (IF-2.75)
Dr. Rachna	5. Kaur A, Bhandari R.K, Rohilla R et al. Anti-tubercular therapy (ATT) induced thrombocytopenia: A systematic review. <i>Indian Journal of Tuberculosis</i> . 2023. https://doi.org/10.1016/j.ijtb.2023.04.029



	<p>6. Hedge N, Kumar A, Batra GK, Devnani M, Rohilla R et al. Rationalizing the use of COVID-19 questionable efficacy drugs in a low middle-income country: A hospital tocilizumab committee experience. <i>J Assoc Physicians India</i>. 2023; 71(3):18-24.</p> <p>7. Rohilla R, Kakkar AK, Divyashree K, Mohindra R, Suri V. Recombinant protein subunit COVID-19 vaccine-induced Guillain-Barré Syndrome in an adolescent: A case report. <i>Br J Clin Pharmacol</i>. 2022;1-5.</p> <p>8. Khera H, Pandey AK, Shafiq N, Khuller GK, Bhandari RK, Panditaro A, Gamad N, Rohilla R et al. Single ascending dose safety, tolerability, and pharmacokinetic study of econazole in healthy volunteers. <i>Expert Review of Anti-Infective Therapy</i>. 2022;1-7.</p>
Dr. Mintu Pal	<p>9. Pandey N, Bohra BS, Tiwari H, Pal M, Negi PB, Dandapat A, Mehta S.P.S., Sahoo. NS Development of biodegradable chitosan/ graphene oxide nanocomposite via spray drying method for drug loading and delivery application. <i>Journal of Drug Delivery Science and Technology</i>, (Elsevier), 2022, 74, 103555.</p> <p>10. Pal M, Muinao T, Parihar A, Roy DK, Deka Boruah HP, Mahindroo N, Khan R. (2022) Biosensors based detection of novel biomarkers associated with COVID-19: Current progress and future promise. <i>Biosens Bioelectron X</i>. (Elsevier), 12:100281.</p> <p>11. Tiwari H, Karki N, Tewari C, Pandey N, Rana A, Rana S, Pal M, Sahoo NG. (2023) Dual Drug Loaded Potassium-Contained Graphene Oxide as a Nanocarrier in Cocktailed Drug Delivery for the Treatment of Human Breast Cancer. <i>Curr Drug Deliv</i>. (Bentham Science), 20(7): 943-950.</p> <p>12. Li X, Yuan Y, Pal M, Jiang X. Identification and validation of lncRNA-SNHG17 in lung adenocarcinoma: a novel prognostic and diagnostic indicator. <i>Front Oncol</i>. (Frontiers Research Foundation), 2022 Jul 26; 12:972329.</p>
	<p>13. Rana A, Negi PB, Tripathi AHC, Pal M, Sahoo NG. (2022) Chemical Composition, Antifungal, Antioxidant and Cytotoxic Potential of <i>Apium graveolens</i> L. (Celery) Leaves Essential Oil Collected from Nainital, Uttarakhand. <i>Journal of Essential Oil Bearing Plants</i> (Taylor and Francis Ltd.), 25 (4), 844-858.</p> <p>14. Multi-omics approaches in cancer research with applications in tumour prognosis, metastasis, and biosensor-based diagnosis of biomarkers. Pal M*, Selvaraju S, Khan R. <i>Front Oncol</i>. (*Corresponding author) (Frontiers Research Foundation), 2023 Mar 21;13:1168975. (Impact factor 6.24).</p>
Dr. Rachna	Book Chapter "Pharmacotherapy in management of COVID-19 infection" for book titled "CLINICS IN COVID PANDEMIC" Editors: Madhur Verma, Soumya Swaroop Sahoo, Priyanka Garg, Jugal Kishore.
Dr Abhinav Kanwal	Patent Number.: 367675-001EXTRUDER FOR MAKING EDIBLE STRAW. 14/07/2022

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

Training activities conducted, surgeries, camps, etc.-**Three**

Number of Conference Organized* **Two**

Number of Workshop Organized* **One**

1. ADR symposium during Pharmacovigilance week 17th-23rd September, 2022.
2. Training activity: ADR sensitization in November, 2022 in primary health care centre Bathinda.
3. Training activity: ADR sensitization in February, 2023 in civil hospital Badal, Punjab.
4. ADR awareness for general public and quiz competition at AIIMS Bathinda, August, 2022.
5. Training activities: Antimicrobial awareness program during World Antimicrobial awareness week in OPD, AIIMS Bathinda 18th to 24th November 2022
6. Workshop cum Conference: PKPDCON 2023 on 11th to 12th March 2023 in AIIMS Bathinda (Organizing Secretary: Dr. Rachna)

8. Number of Thesis Supervised MD/MS/M.Pharm

- a) To understand efficacy and safety of remdesivir and favipiravir in COVID-19 Patients (Co-Guide: Dr Abhinav Kanwal).
- b) To study the effect of nutraceuticals in modulating SIRT-1 expression in Type 2 Diabetes Mellitus (Co-Guide: Dr Abhinav Kanwal).

9. Any other achievement

- a) Dr. Rachna: Involved in formulation of surgical prophylaxis guidelines for AIIMS Bathinda [Convener of Antimicrobial Stewardship Committee, AIIMS Bathinda].
- b) Dr. Rachna: Selected for AIM 2023 COURSE and partially sponsored by Institute of Tropical Medicine, Antwerp, Belgium.
- c) Dr. Rachna: Organized conference cum workshop PKPDCON from 11-12th March 2023 (Organizing secretary).
- d) Dr. Abhinav Kanwal: Selected as Council member for International Academy of Cardiovascular Sciences, India for a period 2022-2025.



PHARMACOLOGY/01: ADR SYMPOSIUM 2022



PHARMACOLOGY/02: TRAINING ACTIVITY: ADR SENSITIZATION IN NOVEMBER, 2022 IN PRIMARY HEALTH CARE CENTRE BATHINDA.



PHARMACOLOGY/03: QUIZ COMPETITION



Pharmacology/04: ADR awareness for general public



Pharmacology/05: Antimicrobial Awareness week



PHARMACOLOGY/06: PKPDCON 2023 WORKSHOP



Pharmacology/07: AIM 2023 course (ITM, Antwerp, Belgium)



DEPARTMENT OF PHYSIOLOGY

Name of the Department	Physiology
Head of the Department	Dr Sonia Kochhar

1. Faculty Details:

Sl. 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	Assistant Professor	14 th August, 2019
4.	Dr Megha Agrawal	Assistant Professor	27 th August, 2019

2. Brief Introduction of the department:

To include the department mission, teaching and patient related services being provided by the department. (*Max 200 words*).

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. **Neurophysiology lab:** We are providing Electroencephalography (EEG), Nerve conduction studies (NCS), and Visual evoked potential (VEP) Electromyography (EMG) & Repetitive nerve conduction (RNS) to the patients, and this year we have done (531) NCV, (86) EEG, (100) VEP, (39) EMG & (5) RNS in collaboration with the clinical departments.
- b. **Simulation Skill lab:** Already inculcated in teaching curriculum to enhance skill-based learning for undergraduates, nursing and respiratory therapist students Academically, we introduced an integrated approach event to MBBS students.
- c. **Research:** To motivate students for research projects

Expansion planned:

- a. **Clinical Services:** We want to expand our neurophysiology lab & establish a new autonomic function test lab that can provide more patient care and extra hands for the clinicians
- 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 a Sleep analysis lab, exercise physiology & yoga health clinics to use innovative skills in research.



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

Number of Papers presented in National Conference- 02

Sl.No.	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr Sonia Kochhar Additional Professor	“Exercise is Medicine” Guest Lecture	Sports Med Con 2022 National Conference on Sports Medicine & Sports Sciences organized by Dept of Sports Medicine & Sports Injury Centre, PGIMS, Rohtak on 28 th August 2022	
2.	Dr Sonia Kochhar Additional Professor	“Electrodiagnostic Techniques” Guest Lecture	IOACON 2022 Annual Conference organized by IOACON at GNDU, Amritsar from 28 th Nov – 3 rd Dec 2022	

4. Faculty achievements –awards, honours etc

Sl.No.	Name & designation of faculty	Award/ honour	Event	Organised by
1.	Dr Sonia Kochhar	Resource Faculty (Expert Trainer)	Workshop on ACLS	IMA Bathinda
2.	Dr Sonia Kochhar	Certification of ICMR-NIE	Completed “Scientific Writing in Health Research” in October 2022.	Indian Council of Medical Research (ICMR) & National Institute of Epidemiology (NIE)
3.	Dr Sonia Kochhar	Certification of completion	Completed online “Sleep Physiology” in March 2023.	Academy of Sleep-Wake Science
4.	Dr Meena Mirdha	Resource Faculty	Workshop “Techniques in Physiological Sciences for WHO SEAR nations from 18 th to 20 th January 2023	AIIMS DELHI
5.	Dr Meena Mirdha	Certification of BCBR	Completed “Basic Course in Biomedical Research” as mandated by the National Medical Commission in December 2022.	Indian Council of Medical Research (ICMR) and National Institute of Epidemiology (NIE)



5. Research activities undertaken in the department:

Sl, No.	Name & designation of PI	Title of the project	Source of support	Status (ongoing/ completed)	Budget
Projects sanctioned					
1.	Dr Sonia Kochhar	"Impact of BLS Training in First year MBBS Students"	NA	Completed	Non funded
2.	Miss Hargun Kaur Khaira (Student) Dr Sonia Kochhar (Guide)	"A cross-sectional study to evaluate the chronotype variations and its correlation with quality of sleep and anxiety among medical undergraduates"	ICMR STS 2022 approved [Proposal Reference ID: 2022-00437]	Completed (Grade B)	Funded approved by ICMR-STS, 2022
3.	Ms Anshika Garg(student) Dr Meena Mirdha(guide)	"Association Of sleep quality with asthma control and asthma quality of life"	ICMR STS 2023 approved	Applied in Research cell AIIMS Bathinda for institute ethical approval	Funded approved by ICMR-STS, 2022 NA (student stipend)
4.	PI: - Dr Navita Aggrawal Co-PI: - Dr Meena Mirdha	"Implementation of self-directed learning module on first year students"	NA	Ongoing	NA
Projects submitted					
5.	Dr Meena Mirdha	"Feedback on online academic activity, level of internet addiction and insomnia among 1 st year undergraduate medical students and teachers during COVID-19 pandemic: a multicentric study"	Multicentric project	Completed in AIIMS Bathinda centre and data submitted to PI	NA

6. Papers and Books/chapters published by the faculty:

- **Magan** *Psychoneuroimmunology of Meditation. Annals of Neurosciences. 2022;29:170-176.*

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

- Number of Conference Organized*
Dept. of Physiology with Anatomy and Biochemistry Organized SCAMPER,2022 held at AIIMS, Bathinda from 10th-13th September 2022.
- Number of Thesis Supervised MD/MS*
Dr Sonia Kochhar – Evaluation of thesis for MSc Course in Medical Physiology Dec 2022 (AIIMS, Delhi)
- Any other achievement





DEPARTMENT OF PSYCHIATRY

Name of the Department	Psychiatry
Head of the Department	Prof Gurvinder Pal Singh

1. 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	Associate Professor	12-11-2019
3	Dr. Bharat Udey	Assistant Professor	13-12-2019
4	Dr. Jawahar Singh	Assistant Professor	30-8-2021

2. 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 manpower at the time of inception of psychiatry OPD consisted of four faculty members namely Dr Gurvinder Pal Singh as prof and HOD, Dr. Jitender Aneja, Additional Professor and Dr. Bharat Udey, Assistant Professor. Dr. Jawahar Singh Assistant 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 clinic (Friday).

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

Sl.No.	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Jawahar Singh	Inter-disciplinary Dialogues around Psychiatry	CME by Indian Association for Social Psychiatry (IASP)	IASP, at AIIMS New Delhi
2	Jawahar Singh	Revisiting Depression	Annual Mid Term CME of the IPS-North Zone	AIIMS Bathinda
3	Dr Gurvinder Pal Singh	Revisiting Depression-concepts and nosology	Annual Mid Term CME of the IPS-North Zone	AIIMS Bathinda
4	Dr Gurvinder Pal Singh	The place of mindfulness based intervention(MBI) in Indian context	74 th Annual national conference of Indian psychiatric Society at Bhubaneswar	Indian psychiatric Society



5	Dr Gurvinder Pal Singh	Mindfulness based intervention training in dual diagnosis and relapse prevention	ADDICON 2022	NIMHANS Bangalore
6	Dr Jitender Aneja	An exploratory study to evaluate Restless legs syndrome in patients attending psychiatry outpatient at a tertiary care hospital in Punjab.	Annual Conference of Indian Psychiatry Society-North Zone 2022, 15-16 Oct 2022, Jaipur.	Annual Conference of Indian Psychiatry Society-North Zone 2022, 15-16 Oct 2022, Jaipur
7	Dr Jitender Aneja	Tips for writing and submitting a research paper: A workshop for young mental health professionals.	Annual National Conference of Indian Association for Social Psychiatry held from 18 th -20 th November, 2022 at Agra	Annual National Conference of Indian Association for Social Psychiatry held from 18 th -20 th November, 2022 at Agra
8	Dr Jitender Aneja	Post-graduate Quiz.	Annual National Conference of Indian Association for Social Psychiatry held from 18 th -20 th November, 2022 at Agra.	Annual National Conference of Indian Association for Social Psychiatry held from 18 th -20 th November, 2022 at Agra
9	Dr Jitender Aneja	Workshop on "Common Psychological tests and rating scales used in Clinical Practice - Description, Indications, Administration and interpretation."	74 th Annual National Conference of Indian Psychiatric Society. 2 nd - 5 th February 2023, Bhubaneshwar	74 th Annual National Conference of Indian Psychiatric Society. 2 nd - 5 th February 2023, Bhubaneshwar



4. Faculty achievements –awards, honours etc.

Sl.No.	Name of faculty	Award/honour	Event	Organised by
1	Prof (Dr) Gurvinder Pal Singh	Dr G.C. Boral Award	North zonal annual conference of of Indian Psychiatry Society-NZ at Jaipur in Oct 2022	Indian psychiatric Society-north Zone
2	Dr Jitender aneja	First prize in paper presentation	North zonal annual conference of of Indian Psychiatry Society-NZ at Jaipur in Oct 2022	Indian psychiatric Society-north Zone
3	Dr Gurvinder Pal Singh	first prize in poster presentation in CME Alcoholic hepatitis-Hazards of alcohol consumption a school based brief integrated educational intervention among adolescents. (27/07/2022)	organized by Department of medicine at AIIMS Bathinda,	Department of Medicine, AIIMS, Bathinda
4	Dr Jitender Aneja	Dr. J. C. Marfatia Award for the paper titled "Prevalence of 'mixed features' in patients with First episode Depression: An Exploratory Multicentric Study	74 th Annual National Conference of Indian Psychiatric Society. 2 nd - 5 th February 2023, Bhubneshwar	74 th Annual National Conference of Indian Psychiatric Society. 2 nd - 5 th February 2023, Bhubneshwar



5. Research activities undertaken in the department:

Sl.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural (PI mention details)	Status (ongoing/completed)	Budget
1	Jawahar Singh (Co-PI)	To assess the effect of tobacco on cognitive functions among young adults.	Extramural - ICMR	Completed	50,000/-
2	Jawahar Singh (Co-PI)	Screening and diagnosis of depression: focus on genomic alterations and functional resonance imaging	Extramural – SERB/DST	Ongoing	17,000,00/-
3	Jawahar Singh (PI)	Assessment of pattern and diagnostic concordance of interdepartmental referrals attended under Consultation-Liaison (CL) Psychiatry services, its impact on the length of hospital stay and cost of patient care.	Extramural – SERB/DST	Provisionally accepted	18,000,00/- (Approx)
4	Dr Jitender Aneja	Prevalence of mixed features' in patients with First episode Depression: An Exploratory Multicentric Study	Indian Psychiatric Society	completed	6,00,000
5	Dr Jitender Aneja	Correlates of the suicide crisis syndrome in major depression: A multicentric exploratory study	Indian Psychiatric Society	Completed	6,00,000
6	Dr Gurvinder Pal Singh	Assessment of pattern and diagnostic concordance of interdepartmental referrals attended under Consultation-Liaison (CL) Psychiatry services, its impact on the length of hospital stay and cost of patient care.	Extramural – SERB/DST	Provisionally accepted	Approx. 18 lac



Projects submitted					
5	Jawahar Singh (PI)	Development of a gut-microbiota-based formulation to combat anxiety and major depressive disorders.	Extramural – ICMR	Submitted	45 Lakh (Approx)
6	Jawahar Singh (Co-PI)	Pattern and diagnostic accuracy of interdepartmental referrals attended under Consultation-Liaison (CL) Psychiatry services.	Extramural – ICMR	Submitted	50000/-
7	Jawahar Singh (Co-PI)	Mobile App Based intervention for patients with First Episode Psychosis: A Multi-centric Randomized Controlled Trial	Extramural – ICMR	Submitted	1,48,814,40 (Approx)
8	Jawahar Singh (Co-PI)	Medical and psychiatric comorbidities among patients with alcohol dependence: A multicentre study from India.	Indian Psychiatric Society	Submitted	5 Lakh (Approx)
9	Jawahar Singh (Co-PI)	Establishment of advance research centre to study microbial biofilms and antimicrobial resistance at Central university of Punjab	Extramural – ICMR	Submitted	43,347,388 (Approx)
10	Jawahar Singh (Co-PI)	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	Extramural – ICMR	Submitted	24,990,367 (Approx)
11	Jawahar Singh (Co-PI)	A hospital-based multi-centric observational study to explore the prevalence and correlates of misuse of gabapentinoids among the patients with substance use disorder in Punjab.	Indian Psychiatric Society	Submitted	5 Lakh (Approx)
12	Jawahar Singh (Co-PI)	Caring for the Uncared: Determinants and Outcome of Treatment Resistant schizophrenia	Extramural - ICMR	Submitted	34718727/-



		– A long term follow-up cohort study			
13	Jawahar Singh (Co-PI)	Enhancing mental healthcare digital technology driven assessment triage and personalized guidance for the management of mental health conditions	Extramural – ICMR	Submitted	NA
14	Dr Gurvinder Pal Singh(CO-PI)	Major depressive disorders in primary glaucoma patients and their association with molecular biomarkers and effect on the efficacy of topical anti glaucoma therapy	Extramural-ICMR	Submitted	Approximate 16 lac
15	Dr Gurvinder Pal Singh	Artificial intelligence(AI) based automated early diagnosis of major depressive disorder using ophthalmic data: an observational study	Extra mural-DBT	submitted	Approx. 30 lac

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

a) Research papers

- 1) **Singh J**, Jain R, Bhargava R. Assessment of Platelets Monoamine Oxidase-B (MAO-B) Activity Levels and Cognitive Functions in Patients of Alcohol Dependence and Healthy Controls: A Comparative Study. *J Psych and Neuroche Res* 1 (2), 01. 2023;5
- 2) Nebhinani N, **Aneja J**, Patra S, Suthar N, Kuppili PP, Gupta T, Choudhary S, Singhai K. Journey of JIACAM: Vision, Challenges and Opportunities. *J Ind Assoc Child & Adolesc Mental Health* 2022;18 (1):1–3. DOI: 10.1177/09731342221096471.
- 3) Aneja J, Singh J. Pregabalin Use/Misuse: A source of consternation in Western Punjab. *Indian J Psychol Med* 2022;44(5);1-2.
- 4) Gupta N, Aneja J, Kathiresan P. “Persons with Disabilities”: Are we doing enough as a Society? *J Indian Assoc Child & Adolescent Mental Health* 2022; 18(2):119-21. DOI: 10.1177/09731342221129015.
- 5) Aneja J, Goyal T, Verma M, Kaur G, Mirza M, Gupta S. Client satisfaction with telemedicine services during COVID-19 pandemic: A cross-sectional survey from a teaching institute of North India. *J Family Med Prim Care* 2022;11:5187-93.
- 6) Aneja J, Kaur G, Udey. A survey of patient satisfaction with telepsychiatry services delivered at a tertiary care hospital in Western Punjab during the COVID-19 pandemic. *J Mental Health Hum Behav* 2022;27:132-5.
- 7) Singh Gurvinder Pal, Bhatti M, Sharma P, Lamba D. Acceptance and Commitment Therapy as an adjuvant to Exposure and Response Prevention for Dual diagnosis. Primary care companion for CNS disorders,2022'24(4):21cr03004. PMID no. 35830734.
- 8) Singh GP, National Tele-Mental Health Programme formulation: A revolution in 21st century in India. *Int J Soc Psychiatry*,2022;207640221109173. PMID No. 35791647.
- 9) Singh Gurvinder Pal COVID vaccination and mental health: An Indian perspective. *Asian J Psychiatry*,2022;67:102950. PMID No. 34883345.



- 10) Singh Gurvinder Pal, Bhatti M, Sharma P, Lamba D. Acceptance and Commitment Therapy as an adjuvant to Exposure and Response Prevention for Dual diagnosis. Primary care companion for CNS disorders,2022'24(4):21cr03004. PMID no. 35830734.
- 11) Singh Gurvinder Pal, Gupta Meghna, Aneja J. Comments on” a comparative study of sexual behaviour, dysfunction, satisfaction, relationship, and sexual qualityof life among treatment naïve and abstinent men (buprenorphine maintained) with opioid (heroin) dependence syndrome.” Indian Journal of Psychiatry, 2023:65:892.
- 12) Pathak A, Singh Gurvinder pal, Verma N. Advanced compassionate care for the geriatric population in India. Prim Care Companion CNS Disord.2023;25(3):22br03389.
- 13) Gurvinder Pal Singh, Lajya devi Goyal, Purshottam Hoovavvya, Udey B, Singh J. Choudhary A. The music playing intervention in a tertiary care institution in India: Health care workers experiences. Int Journal of Social Psychiatry 2023/doi.org/10.1177.

b) Book Chapters

- 1) Aneja J. Assessment, Diagnosis and Management of Psychiatric Problems among persons with intellectual disability. In: Comprehensive Textbook on Intellectual Disability. (Ed. Chavan B. S., Ahmad W). Jaypee Publishers, New Delhi. 2022: 105-114.
- 2) Aneja J, Arora S. Mental health in the clouts of COVID-19 pandemic. Clinics in COVID pandemic. (Ed. Verma M, Sahoo SS, Garg P, Kishore J). Century Publications, New Delhi, 2022:211-227.

Dr Jitender Aneja

1. I10 Index: 18
2. h-index: 14

Dr Jawahar Singh

1. i10 index: 03
2. H index*: 04

Dr Gurvinder Pal Singh

1. I10 index-18
- H index- 14

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

- a) Department of psychiatry organized Annual Mid Term CME of the IPS-North Zone, 2023 at AIIMS Bathinda (19th March 2023)
- b) organized workshop of “Attention without tension and Mindfulness” World Mental Health Day 2022 (10th October 2022)
- c) Organized an Information Education Communication (IEC) on World Autism Awareness Day 2022 (2 April 2022)
- d) As part of team, All India Institute of Medical Sciences Bathinda (Punjab) India, in collaboration with the NACO (National AIDS Control Organization) started Opioid substitution therapy (OST) at the institute. (July 2022)
- e) Delivered a talk on “Tobacco cessation and intervention” under the agenda of AIIMS ECHO preventive oncology
- f) Dr Jitender Aneja Organized PG- Quiz and did symposium at the Annual Conference of Indian Association for Social Psychiatry held on 18th-20th November 2022 at Agra.
- g) Dr Jitender Aneja participated in 10-day in-person training program on “Essential Interventions and skills for working with child sexual abuse: Introducing Mental Health and Legal Dimensions of Forensics” conducted at NIMHANS, Bengaluru

8. Number of Thesis Supervised MD/MS*-3



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". (MD Psychiatry)
2. Title "To study psychiatric morbidities in glaucoma patients diagnosed in a tertiary care facility in North-Western India" (MD Ophthalmology)
3. Title "To study the prevalence and type of sexual dysfunction in females receiving antidepressant medications" (MD Psychiatry)

9. Any other achievement:

Dr Jawahar Singh

Administrative responsibilities in the Department & institute are-

1. Taking care of all assigned departmental Clinical, research, teaching and administrative responsibilities.
2. Assistant Hostel superintendent of UG Boy's Hostel. (8th March 2022)
3. Member of Institute Drugs and Therapeutics Committee (DTC). (30th Nov 2022)
4. Member of Emergency medical team (AB/MSO/2023/301, 07/02/23)
5. Member of Recruitment cell
6. Member of Skill Lab Committee (AB/Proc.Cell/2023/1802, 17/03/23)
7. Member of Department Purchase Committee (DPC)
8. Part of mentorship program of Institute, mentor of 10 UG students
9. Member of Board of Studies for the department of Psychiatry

10. Other achievements:

- a) Dr Jitender Aneja nominated on the Board of Studies for Clinical Psychology & Allied Behavioral Sciences at the Central University of Punjab and Akal University, Talwandi Sabo.
- b) Convenor for the CME Sub-committee of Indian Psychiatric Society (IPS) for 2023-2024.
- c) Executive Council Member of Indian Association for Social Psychiatry
- d) Executive Editor for Journal of Indian Association for Child & Adolescent Mental Health (JIACAM) published by SAGE and Associate Editor for Frontiers in Global Women's Health. Reviewer for many indexed journals such as World Journal of Social Psychiatry, BMC Pregnancy & Child Birth, British Medical Journal (BMJ) Open, PLoS One, Frontiers in Psychology, Indian Journal of Psychiatry, Indian Journal for Social Psychiatry, Journal of Indian Association for Child and Adolescent Mental Health, Journal of Human Behavior and Mental Health, Frontiers in Psychiatry, Indian Journal of Medical Research, Annals of National Academy of Medical Sciences and so on.



A speaker during the lecture at Annual Mid Term CME of the IPS-North Zone



Participants during the CME



DEPARTMENT OF PULMONARY MEDICINE

Name of the Department	Department of Pulmonary Medicine
Head of the Department	Dr Ramniwas

1. Faculty Details:

Sl.No	Name of faculty	Designation	Date of Joining
1	Dr Ramniwas	Associate Professor	17.11.22

2. Brief Introduction of the department:

The Department of Pulmonary Medicine aims to be one of its kind in the areas of pulmonary diseases, critical care and sleep medicine with its services in the Malwa region. The vision of the department is to provide innovative, cost effective and advanced respiratory care. We intend to consistently deliver high quality care with competence and compassion to every section of the society.

We manage a wide spectrum of diseases of the chest ranging from bronchial asthma, ABPA, COPD, pneumonia, tuberculosis, pleural diseases, lung cancer, pulmonary hypertension, pulmonary embolism, pulmonary vasculitis, occupational lung diseases, interstitial lung diseases, sleep disorders and respiratory failure. Presently the Department is performing various procedures such as Percutaneous FNAC and Biopsy of the lung, Tube thoracostomy, Pleural Biopsy and other pleural based procedures, Chemical Pleurodesis, Pulmonary Function Tests and 6MWT. Future patients services planned are Complete spirometry, FeNO, Body Plethysmography, Video Bronchoscopy, EBUS TBNA, Thoracoscopy, Sleep study and Rigid bronchoscopy. Department is providing education pertaining to pulmonary medicine and sleep disorders to undergraduate & postgraduate students and is planning to start DM in Pulmonary & Critical Care Medicine in the near future.

3. Research activities undertaken in the department:

Number of **Project Submitted** with the name of Funding Agency* -One, Non-funded

Sl.No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects submitted					
1	Ramniwas	To study clinico-radiological profile of Allergic Broncho-Pulmonary Aspergillosis patients among asthmatics presenting to Department of Pulmonary Medicine, AIIMS, Bathinda	Intramural Nonfunded	Submitted for approval	Nil

4. Papers and Books/chapters published by the faculty:

Detail of Paper published with indexing database - 3

- a) 1. **Niwas R**, Shadrach BJ, Deokar K, Dutt N, Jain P. A Curious case of Vasovagal Shock following Transesophageal Endobronchial Ultrasound-Guided Needle Aspiration (EUS-B-NA). Acta Biomed. 2021 Nov 4;92(S1):e2021133. doi: 10.23750/abm.v92iS1.10412. PMID: 34747376.
- b) **Jalandra RN**, Shahul AS, Asfahan S, Garg MK, Nebhinani N, Dutt N, Chauhan NK, Swami MK, Bhatia PK, Bhardwaj P, Suthar N, Kumar A, Kumawat R, Andani R, Misra S. Emotional distress among health professionals involved in care of inpatients with COVID-19: a survey based cross-sectional study. Adv Respir Med. 2022 Feb 24. doi: 10.5603/ARM.a2022.0026. Epub ahead of print. PMID: 35199842.
- c) Chauhan NK, Asfahan S, Dutt N, **Jalandra RN**. Artificial intelligence in the practice of pulmonology: The future is now. Lung India. 2022 Jan-Feb;39(1):1-2. doi:10.4103/lungindia.lungindia_692_21. PMID: 34975044; PMCID: PMC8926223.

5. Faculty-wise Research Papers/Book Chapters/i-index/h-index etc.:

Research papers-3

Book/Book chapter-Nil

Number of citations*-731

I10index*-3

h-index*-5

(According to Google Scholar database)

- 1) Please include research articles and chapters only during the time period (April 1st 2022- March 31st 2023).
- 2) Avoid duplication, i.e., in case of multiple faculty members involved on the same paper in the dept, please provide it as a single entry.

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



A view of the Free Spirometry facility being conducted in Department on regular basis using personal spirometry machine.

Training activities conducted- Training of Nursing Officers-Such as performing Spirometry, Thoracocentesis, Inhaler techniques etc. Surgeries, camps- Free Spirometry facilities in the Department on regular basis using personal equipment.

DEPARTMENT OF RADIATION ONCOLOGY

Sl.No.	Name of the Faculty	Designation
1.	Dr Sapna Marcus Bhatti	Associate Professor
2.	Dr Rohit Mahajan	Assistant Professor

1. Department's Statistics

Sl.No.	Department	Numbers From start of services till March 31 st , 2023	Numbers From April 1 st , 2022 till March 31 st , 2023
1.	OPD	242	571
2.	Telemedicine consultations	0	39
3.	Procedures	0	0
4.	Minor Procedure	0	0
5.	Chemotherapy administered	0	29
6.	Supportive-care		20
7.	Day care procedures	0	0
8.	Major Procedure	0	0
9.	Admissions	0	0

2. Major Activities of the department

World Cancer Day 4th February, 2023. It was a one day programme held in the hospital reception area to mark the survivor zeal and enthusiasm exhibited by cancer patients. They were welcomed with roses and were awarded with tokens of appreciation for their enthusiasm for life. **4th MARCH 2023:** Project PEHEL was inaugurated by Department of Radiation oncology in which an effort has been taken to spread awareness towards young school going girls to become breast aware and to perform breast self-examination. It was kick started at St Josephs Convent School in the city. In the preliminary round the teachers of the school were made aware so that further teachings could take place. However, unfortunately due to COVID-19, the project was shelved, but soon will be re-started next month.





DEPARTMENT OF RADIODIAGNOSIS

Name of the Department	Radiodiagnosis
Head of the Department	Dr Paramdeep Singh

1. 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	Assistant Professor	30.11.2019
4.	Dr Sameer Peer	Assistant Professor	21.04.2022

2. Brief Introduction of the department:

Department of Radiodiagnosis is equipped with 4 ultrasound machines, 1 Digital Radiography unit, 1 Computed Radiography unit, 1 Mammography machine, 256- slice CT and 3T MRI. It provides various diagnostic facilities to the patients including high end Ultrasonography, Mammography, Digital X-rays, CT and MRI. The vision is to establish a state-of-the-art department with aim of having recognition at national and international level for excellence in medical imaging and interpretation, advances in imaging research and academics. The department is involved in academics routinely with a teaching program comprising of weekly seminars, case discussions and journal club. The main goal is to provide optimal patient care in a friendly environment, to provide the highest standards of diagnostic imaging 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.

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

Sl.No.	Name of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1.	Dr Paramdeep Singh	Artificial Intelligence in Radiology	National CME on Artificial Intelligence in Radiology	AIIMS-Bathinda and IRIA
2.	Dr Paramdeep Singh	Applications of Dual energy pulmonary CT angiography	Annual Conference of IRIA, Amritsar 2023	Indian Radiology and Imaging association
3.	Dr Paramdeep Singh	Artificial Intelligence (AI) in Medical Imaging	Mid-year meeting of Indian National Young Academy of Science (INAYAS), BARC, Mumbai	Indian National Young Academy of Science (INAYAS)
4.	Dr Paramdeep Singh	Ergonomics in Ultrasonography	Sonosummit-2022, held at Indore	Indian Radiology and Imaging association
5.	Dr Harmeet Kaur	Imaging of Salivary gland masses'	National conference organized by the IRIA at Amritsar on 2-5 Feb 2023.	Indian Radiology and Imaging association



6.	Dr Harmeet Kaur	'Shoulder – Radiography & MRI' organized by ICRI.	ICRI teachings 17 th March 2023.	Indian College of Radiology
7.	Dr Harmeet Kaur	'Imaging of Endometriosis'	Online CME by IRIA Punjab State Chapter On 05/03/2023	Punjab state Chapter of Indian Society of Radiology and Imaging
8.	Dr Harmeet Kaur	Radiological perspective of Thalassemia	Haemoglobinopathy day celebrations	Deptt of Pathology, AIIMS Bathinda
9.	Dr Navdeep Kaur	BISICON-2022	National conference by Breast Imaging Society 11-13 Nov 2022	Breast Imaging Society of India
10.	Dr Sameer Peer	Applications of Cinematic volume rendering in Neuroradiology	ISNR 2023	Indian Society of Neuroradiology
11.	Dr Sameer Peer	Arterial transit artifact as a predictor of significant intracranial stenosis	ISNR 2023	Indian Society of Neuroradiology
12.	Dr Sameer Peer	Imaging in CNS infections	Lecture for the Radiology education foundation of India	Radiology education foundation (REF) India
11	Dr Sameer Peer	Correlation between Resting state fMRI and PET in mesial temporal lobe epilepsy	IRIA-ICRAI-ISNR synergy series	Indian Radiology and Imaging association and Indian Society of Neuroradiology

4. Faculty achievements –awards, honours etc

SI.No.	Name of faculty	Award/honour	Event	Organized by
1.	Dr Paramdeep Singh	Fellowship of Indian College of Radiology	IRIA-2023	Indian Collage of Radiology and Imaging
2.	Dr Paramdeep Singh	President's appreciation award	Annual Conference of IRIA 2023	Indian Radiology and Imaging Association
3.	Dr Sameer Peer	Golden Jubilee Award	25 th Convocation of NIMHANS	National Institute of Mental Health and Neuroscience (Institute of National Importance)



5. Research activities undertaken in the department:

Sl. No.	Faculty	Title of the project	Source of support Intramural/extramural (PI mention details)	Status (ongoing/completed)	Budget
1	Dr. Paramdeep Singh	Screening and diagnosis of depression: focus on genomic alterations and functional resonance imaging	SERB	Ongoing	28 Lakh rupees
2	Dr. Paramdeep Singh	MRI Elastography for Pituitary Adenomas	ICMR	Ongoing	12 Lakh
2	Dr Harmeet Kaur, Assistant Professor (CO-PI)	Incidence and adverse outcomes and risk factors for mortality among Mucormycosis patients in India: A multicentric ambispective cohort study, 2021-2022 led by ICMR-National Institute of Epidemiology (ICMR-NIE).	ICMR -NIE	Ongoing	Non-Funded
3	Dr Navdeep Kaur, Assistant Professor, (CO-PI)	"3D cephalometric analysis comparison in adult human subjects based on MRI and CT imaging modalities".	SERB funded	ongoing	Rs 22 Lacs
4	Dr Navdeep Kaur, Assistant Professor (CO-PI)	Volumetric upper airway analysis using two dimensional cephalograms	ICMR funded	ongoing	Rs 22.5 Lacs
Projects submitted					
5	Dr Harmeet Kaur	Correlation of adipokines and inflammatory cytokines for Non-alcoholic fatty liver diseases development in patients with psoriasis submitted in SERB (Project in collaboration with Department of Radiodiagnosis & Dermatology).	SERB	Submitted	
6	Dr Harmeet Kaur	Effect of Metabolic syndrome on endothelin function in patients with Psoriasis. (Project in collaboration with Department of Radiodiagnosis & Dermatology).	ICMR	Submitted	
7	Dr Harmeet Kaur	Predictive accuracy of FNAC in combination with targeted oncogenic mutations in patients with indeterminate thyroid nodules for the diagnosis of Thyroid cancers – A cross-sectional multicentric study.	ICMR	Submitted	



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

a) List of Publications by Faculty

- 1) **Peer S, Kaur S, Singh P, Kaur H, Kaur N.** Cerebrofacial venous metamerism syndrome type 2+3: face is the index of brain. *Radiology Case Reports*. 2023;18 (1), 126-130.
- 2) P Tiwari, **H Kaur**, N Singh, N Bansal. Fixation of an ipsilateral bicondylar Hoffa's fracture via medial para patellar approach using multiple screws-A case report. *Journal of Orthopaedic Reports*. 2023; 2(1), 100125.
- 3) **Kaur H**, Ahuja J, **Singh P, Dhillon N**, N Samagh, Tiwari P. Necrotic mediastinal lymphadenopathy: Tuberculosis or Sarcoidosis, a diagnostic conundrum-A case report and review of the literature. *Journal of Family Medicine and Primary Care*. 2022. 11 (11), 7425-7429.
- 4) Tiwari P, **Kaur H**, Bansal N, Jaura SS. Rheumatoid or tubercular: Flexor tenosynovitis of the wrist with rice bodies. *Journal of Family Medicine and Primary Care*. 2022; 11(10), 6518-6522.
- 5) Tiwari P, **Kaur H**, Jaura SS, Singh N, Singh KP, Madaan S. The humble wrist pain could be "early" tuberculosis and a high index of suspicion may help nip it in the bud: A case report. *Journal of Family Medicine and Primary Care*. 2022; 11(11), 7434-7437.
- 6) Bansal N, Aggarwal S, Tiwari P, **Kaur H**. Symptomatic Coracoclavicular Joint – A Case Report of an Important but Lesser known Differential Diagnosis of Shoulder Pain. *Journal of Orthopaedic Case Reports*. 2022;12(10):54-56.
- 7) Tiwari P, **Kaur H**, Jaura SS, Ashraf A. Retrieving the broken jaw of discectomy forceps from the intervertebral space turned out to be a Sisyphus task – A case report of an unprecedented complication of lumbar discectomy. *Journal of Orthopaedic Reports*. 2022 Dec;1(4):100085.
- 8) Jaura S, Tiwari P, **Kaur H**, Bansal N. Early outcomes of ultra-congruent insert in cruciate-retaining total knee arthroplasty: A prospective study. *J Orthop Dis Traumatol*. 2022;5(3):145.
- 9) Kaur A, **Kaur N**, Dhoat PS, Madhukar M. Systematic Review On Covid Vaccination In Children-Assessment Of Safety, Immunogenicity, Efficacy And Adverse Effects. *Journal of Pharmaceutical Negative Results*, 2022; 13: 456–459.
- 10) Kaur A, **Kaur N**, Madhukar M, Monga S. Renovascular complications in Covid19: A Systematic review. *Journal of Early Childhood*. 2022;14(3).
- 11) Sahoo SS, **Kaur N**, Kaur A, Garg S. Lymphadenopathy subsequent to Covishield (ChAdOx1 nCoV-19) Corona virus vaccine: ultrasound findings and clinical implications. *Therapeutic Advances in Vaccines and Immunotherapy*. 2022;10.
- 12) **Kaur N**, Kaur N, Chhabra HS, Singh M, Singh P. A case report of sciatic hernia as a cause of sciatica and lower back pain: Diagnostic dilemma for family physicians. *Journal of Family Medicine and Primary Care*. 2022;11:3304-7.
- 13) Mangalore S, **Peer S**, Gupta AK. MR PET findings in SMART (Stroke-Like Migraine Attacks after Radiation Therapy) Syndrome. *Neurol India*. 2022;70(4):1757-1758.
- 14) Mangalore S, **Peer S**, Gupta AK. CURVED MULTIFORMAT IMAGING OF STRUCTURAL MRI AS A BIOMARKER FOR PROFILING OF VARIOUS DEMENTIA -AN ALGORITHMIC APPROACH WITH MR/PET. *Asian J Psychiatr*. 2022;73:103094.
- 15) **Peer S**, Jabbal HS, **Singh P** et al. A case report of successful percutaneous aspiration, injection and re-aspiration (PAIR) technique for treatment of retrovesical pelvic hydatid cyst. *Radio Case Rep*. 2022;18(1):331-334.
- 16) Mangalore S, **Peer S**, Khokhar SK et al. Resting state functional MRI/PET profile as a potential alternative to Tri-Modality EEG-MR/PET imaging: An exploratory study in drug-refractory epilepsy. *Asian J Neurosurg*. 2023;18(1):53-61
- 17) Kumar K, Kaur S, Kaur R, Kaur T, Singh P. The role of contrast-enhanced ultrasound in the evaluation of hepatobiliary lesions and its correlation with pathological findings. *Pol J Radiol*. 2022 Dec 8;87:e661-e667.
- 18) GBD Fatty Liver Disease-SDG Collaborators. The global Fatty Liver Disease-Sustainable Development Goal country score for 195 countries and territories. *Hepatology* ():10.1097/HEP.000000000000361, April 18, 2023. | DOI: 10.1097/HEP.000000000000361



- 19) Singal, A., Chaudhary, P. & Singh, P. External occipital protuberance classification with special reference to spine type and its clinical implications. *Surg Radiol Anat* 45, 555–561 (2023). <https://doi.org/10.1007/s00276-023-03133-8>
- 20) Peer S, Jabbal HS, Singh P, M PS, Kakkera S, Bhat P. A case report of successful percutaneous aspiration, injection, and re-aspiration (PAIR) technique for treatment of retrovesical pelvic hydatid cyst. *Radiol Case Rep.* 2022 Nov 15;18(1):331-334.
- 21) Kaur H, Ahuja J, Singh P, Dhillon NK, Samagh N, Tiwari P. Necrotic mediastinal lymphadenopathy: Tuberculosis or Sarcoidosis, a diagnostic conundrum –A case report and review of the literature. *J Family Med Prim Care* 2022;11:7425-9.
- 22) GBD 2019 LRI Collaborators. Age-sex differences in the global burden of lower respiratory infections and risk factors, 1990-2019: results from the Global Burden of Disease Study 2019. *Lancet Infect Dis.* 2022 Nov;22(11):1626-1647. doi: 10.1016/S1473-3099(22)00510-2.
- 23) Zou Z, Liu G, Hay SI, Basu S, Belgaumi UI, Dhali A, Dhingra S, Fekadu G, Golechha M, Joseph N, Krishan K, Martins-Melo FR, Mubarik S, Okonji OC, A MP, Rathi P, Shetty RS, Singh P, Singh S, Thangaraju P, Wang Z, Zastrozhin MS, Murray CJL, Kyu HH, Huang Y. Time trends in tuberculosis mortality across the BRICS: an age-period-cohort analysis for the GBD 2019. *EClinicalMedicine.* 2022 Sep 17;53:101646. doi: 10.1016/j.eclinm.2022.101646.
- 24) Kaur N, Kaur N, Chhabra HS, Singh M, Singh P. A case report of sciatic hernia as a cause of sciatica and lower back pain: Diagnostic dilemma for family physicians. *J Family Med Prim Care.* 2022 Jun;11(6):3304-3307.
- 25) Agashe D, Maheshwary S, Pattanaik JK, Prakash J, Bhatt P, Arya SS, Chatterjee S, Kumar P, Singh P, Abbas N, Sharma CK, Chaudhuri CR, Devi P. Career challenges for young independent researchers in India. *Curr Sci.* 2022;122(2):135-43.
- 26) Shankar A, Brar R, Dwivedi A, Rathore DS, Prasad A, Rana S, et al. Utility of percentage signal recovery derived from dynamic susceptibility contrast perfusion magnetic resonance imaging for differentiating glioblastoma, lymphoma, metastasis and meningioma: An observational prospective study. *J Clin Sci Res,* 2022.

b) List of Book Chapters Published by the Faculty: 2 (In print ahead) under Springer publishers

- 1) **Kaur N**, Sahoo SS, Rana S. Advanced Magnetic Resonance Imaging (MRI) of Brain. Springer; 2022.
- 2) **Kaur N**. Ultrasound Imaging and its craniofacial applications. Springer (Under publication).
- 3) **Kaur H**. Magnetic Resonance Imaging and its craniofacial applications. Springer (Under publication).
- 4) **Peer S, Singh P**. Computed Tomography Imaging for Craniofacial and dental applications. Springer (Under publication).

c) List of Books Published by the Faculty –

- 1) **Singh P, Peer S**, Singh K. editors. An Atlas of Signs in Neuroradiology. India: Mahi Publications; 2022
- 2) Chaudhary P, **Peer S**, Manaktala I, **Singh P**. RadioCad: A correlative atlas of Radiological and Cadaveric anatomy of the Human Brain and Spine. India: NotionPress; 2022.



7. Individual Faculty Wise Data

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

Dr Paramdeep Singh:

1. Research papers: 11
2. Books: 2
3. i10 index*: 29
4. H index*: 15

Dr Harmeet Kaur:

1. Research Papers: 8
2. Book/Book Chapter: 2 (In print ahead)
3. i10 index: 2
4. h-index: 3

Dr Navdeep Kaur:

1. Research Papers: 6
2. Book/Book Chapter: 2
3. i10 index: 0
4. h-index: 1.3

Dr Sameer Peer

1. Research Papers: 5
2. Book/Book Chapter: 2
3. i10 index: 1
4. h-index: 4

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

a) Training activities conducted, surgeries, camps

- 1) Department of Radiodiagnosis conducted an Ultrasound liver elastography screening camp at AIIMS Bathinda on 11th May 2022 in which more than 200 patients were screened for Hepatic fibrosis and related disorders.

b) Number of Conference Organized

- 1) Department of Radiodiagnosis conducted National CME ON Artificial Intelligence in Medical Imaging at AIIMS Bathinda on Nov 8, 2022 to observe International Radiology Day.
- 2) Faculties from the Department of Radiodiagnosis AIIMS Bathinda organized the National Conference of IRIA, held on 2-6 Feb 2023 at Sri Amritsar as Organizing Vice-Secretary (Dr. Paramdeep Singh), Organizing Members (Dr. Harmeet Kaur) and delivered lectures on Radiology-related topics.
- 3) Faculties from the Department of Radiodiagnosis AIIMS Bathinda organized the State Conference of IRIA, held on 15 May 2023 at Jalandhar as Organizing Members/office bearers/Chairperson (Dr. Paramdeep Singh, Dr. Harmeet Kaur, and Dr. Navdeep Kaur). Dr. Harmeet Kaur also conducted & moderated a workshop on USG Shoulder in the same CME.
- 4) Dr. Paramdeep Singh in collaboration with Central University of Bathinda organized two conferences namely National conference on Research Methodology and conference on Systematic Reviews and Meta-analysis.

- 5) Dr Harmeet Kaur and Dr Navdeep Kaur chaired a session at first Radiation Oncology Symposium on topic "Current & emerging trends in Multiple Myeloma" organized by Department of Radiation Oncology, AIIMS Bathinda.

c) Number of Thesis Supervised MD/MS*

- 1) **Dr Paramdeep Singh:** Guide for 2 and co-guide for 4 PG students
- 2) **Dr Harmeet Kaur:** Guide to 1 PG student & co-guide to 4 PG students (undergoing)
- 3) **Dr Navdeep Kaur:** Co- guide - 1 on going PG thesis

9. Any other achievement

Dr. Harmeet Kaur:

- Promoted to Associate Professor on April 1, 2022
- Cleared DNB examination

Dr. Paramdeep Singh

- Appointed as the Chairperson of the Ethical Committee of the Central University of Punjab, Bathinda
- Appointed as a member of the Ethical Committee of Akal University

10. PHOTOGRAPHS

Ultrasound liver elastography screening camp at AIIMS Bathinda was conducted on 11th May 2022 by the Department of Radiodiagnosis

National CME ON Artificial Intelligence in Medical Imaging at AIIMS Bathinda was conducted on Nov 8, 2022.



**AI INDIA INSTITUTE OF MEDICAL SCIENCES
BATHINDA (PUNJAB)**

DEPARTMENT OF RADIODIAGNOSIS

is organizing

"FREE ULTRASOUND LIVER ELASTOGRAPHY CAMP"

Date: 11th May 2022
Time: 9:00am to 2:00pm
Venue: Department of Radiodiagnosis

PATRON
PROF. DR. D.K. SINGH
DIRECTOR & CEO
AIIMS BATHINDA

CO-PATRON
PROF. DR. SATISH GUPTA
DEAN
AIIMS BATHINDA

ORGANIZING CHAIRPERSON
DR. PARAMDEEP SINGH
ADDITIONAL PROF. & IBOB

ORGANIZING SECRETARY
DR. HARMEET KAUR
ASSOCIATE PROF.

ORGANIZING CO-SECRETARIES
DR. NAVDEEP KAUR
ASSISTANT PROF.
DR. SAMEER PEER
ASSISTANT PROF.

ORGANIZING MEMBERS
DR. SANDEEP KAUR
SENIOR RESIDENT
DR. KRISHAN KUMAR
SENIOR RESIDENT

JUNIOR RESIDENTS:
1. DR. BITANSHI KHERA
2. DR. PREETI SHARON
3. DR. SHRAANYA

RADIODIAGNOSIS TEAM:
4. NURSING OFFICERS
5. HOSPITAL ATTENDANTS
6. RADIOLOGY TECHNICIANS

Contact: 0164-286-7435
Email: aiimsbathindaradiology1@gmail.com

Radiodiagnosis/01



Radiodiagnosis/02

Radiodiagnosis/03



Radiodiagnosis/04

Radiodiagnosis/05

DEPARTMENT OF SURGICAL ONCOLOGY

1. List of Faculty with designation

Sl.No	Name of the Faculty	Designation
1.	Dr Nikhil Garg	Assistant Professor

Chemo port and Huber needle insertion.



CME and workshop for faculty and nursing officer



BARD BIOPSY WORKSHOP



DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Name of the Department	Surgical Gastroenterology
Head of the Department	Dr Gourav Kaushal

1. Faculty Details:

SI.No	Name of faculty	Designation	Date of Joining
1.	Dr Gourav Kaushal	Assistant Professor	7 September 2021

2. Brief Introduction of the department:

The department offers complex abdominal surgeries with outcomes at par with the current international standards. Minimally invasive (laparoscopic) surgery and Gastrointestinal (GI) cancers are two areas of particular emphasis for the department. The faculty is well-versed in performing complex laparoscopic procedures; it is the preferred approach for most surgeries for non-cancerous and cancerous diseases. We intend to become a center of excellence for laparoscopic surgeries and promote safe laparoscopic surgery training among the surgeons in Punjab and adjoining states. The department will undertake capacity building and training of Surgeons in the adjoining areas to ensure safe surgical practices and timely referral of needy patients. Furthermore, the department will offer comprehensive care to patients with digestive diseases by providing integrated services from Surgical and Medical Gastroenterology, dietetics & nutrition, stoma care, and patient counselling. In past year more than 200 major or supra-major surgeries were performed in the department, out of these close to 100 surgeries were performed for gastrointestinal cancers. The department has emerged as a high-volume center for liver and pancreatic surgeries and getting referrals from adjoining states.

The coveted Super-specialty course (M. Ch) in Surgical Gastroenterology has already been proposed and will soon see the light of day. In addition, many research projects have been submitted by the department. High-quality research and a structured resident training program are the priority of the department.

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

SI.No.	Name of faculty	Title/Topic	Details of the Event	Organized by
International conferences				
1)	Dr. Gourav kaushal (co Author)	Early vs delayed surgery following neoadjuvant chemoradiation for esophageal cancer: a systematic review and meta-analysis, presented at 41st congress of the European Society of Surgical Oncology held in Bordeaux, France, 19-21 October 2022	41st congress of the European Society of Surgical Oncology held in Bordeaux, France, 19-21 October 2022	
2)	Dr. Gourav kaushal (co Author)	Reconstructive techniques following low anterior resection for carcinoma of the rectum: meta-analysis presented at Digestive Disease Week held in San Diego, USA, from 21-24 May 2022.	Digestive Disease Week San Diego, USA, from 21-24 May 2022.	



National conferences				
3)	Dr Gourav Kaushal	Nutritional management of short bowel syndrome	IAPEN India GI Nutrition Congress 2022, 4-6 Nov 2022	JIPMER Puducherry

4. Faculty achievements –awards, honours etc

Sl. No.	Name of faculty	Award/honour	Event	Organised by
1	Dr Gourav Kaushal	Member GI core committee IAPEN	IAPEN India GI nutrition congress 2022, 4-6 Nov 2022	IAPEN India Puducherry chapter
2	Dr Gourav Kaushal	Examiner for M.Ch Surgical Gastroenterology	Final Exit exam M.Ch	AIIMS Rishikesh
3	Dr Gourav Kaushal	Invited faculty	32 nd national conference of the Indian Association of Surgical Gastroenterology (IASGCON 2022) held between 13-16 October 2022 at Kolkata	IASG and AMRI Hospitals Kolkata

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

a) Research paper

- 1) Ansari AM, **Kaushal G**, Dhillon KS. An Observational Study Comparing Hybrid Transvaginal Notes and Four-Port Laparoscopic Cholecystectomy. **Cureus**. 2023 Jan 10;15(1): e33589. doi: 10.7759/cureus.33589. PMID: 36779164; PMCID: PMC9910032.
- 2) Mathew A, Ramachandra D, Goyal A, Nariampalli Karthyarth M, Joseph P, Raj Rakesh N, **Kaushal G**, Agrawal A, Bhadoria AS, Dhar P. Reconstructive techniques following low anterior resection for carcinoma of the rectum: meta-analysis. **Br J Surg**. 2023 Feb 15;110(3):313-323. doi: 10.1093/bjs/znac400. PMID: 36630589.
- 3) Karthyarth MN, Mathew A, Ramachandra D, Goyal A, Yadav NK, Reddy KMR, Rakesh NR, **Kaushal G**, Dhar P. Early versus delayed surgery following neoadjuvant chemoradiation for esophageal cancer: a systematic review and meta-analysis. **Esophagus**. 2023 Feb 17. doi: 10.1007/s10388-023-00989-y. Epub ahead of print. PMID: 36800076.
- 4) Mathew A, Rakesh NR, **Kaushal G**, Ramachandra D, Goyal A, Karthyarth MN, Azad S, Sanyal S, Dhar P. IgG4-Related Pancreato-Biliary Disease in the Disguise of Malignancy. **Am Surg**. 2022 May 16:31348221102610. doi: 10.1177/00031348221102610. Epub ahead of print. PMID: 35576564
- 5) Bansal R, Dhillon KS, **Kaushal G**. Hybrid natural orifice transluminal endoscopic surgery splenectomy: A case report. **J Minim Access Surg**. 2022 Jul-Sep;18(3):466-468. doi: 10.4103/jmas.jmas_245_21. PMID: 35046170; PMCID: PMC9306121

b) Book/Book chapter:

i10 index- 2
H index- 3

6. Other important Highlights with relevant photographs of the department:**a) Number of Conferences Organized.**

1. CME on liver transplantation was organized on 31 March 2023
2. Established a surgical skill center in Ayush block, with help from Medtronic India under CSR.

7. Any other achievement

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.



A view of the CME on liver transplantation



Group photograph of the officials during Inauguration of Surgical Skill Centre

DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK

Name of the Department	Transfusion Medicine & Blood Bank
Head of the Department	Dr Sirat

1. Faculty details

Sl.No.	Name of faculty	Designation	Date of Joining
1.	Dr Sirat	Associate Professor	13/08/2021

2. Brief Introduction of the department:

Department of Transfusion Medicine and Blood Bank started its Blood Transfusion Services on Nov 23, 2022. Since then, all blood components including Packed red cells (PRBC), Fresh Frozen Plasma (FFP) and RandonDonor Platelet Concentrates (RDPC) are being provided to IPD patients. Cryoprecipitate is also available for supporting patients of Hemophillia and other blood dyscrasias.

Vision of the Department:

- a) We aim to provide and maintain adequate supply of all blood.
- b) The department intends to start plateletpheresis services for the provision of Single Donor Apheresis Platelets in the coming year.
- c) Encourage non remunerated voluntary blood donation.

Other important Highlights with relevant photographs of the department:

Voluntary Blood Donation Camps organised by the dept:-

Sl.No.	Blood Donation Camp	Date	No. of Donations
1	Inhouse Camp	Nov 23, 2022	44
2	Kissan Mela Camp	March 21, 2023	100
3	Central University Camp	March 23, 2023	80
4	Inhouse camp by AIIMSNursing Staff	March 29, 2023	40

3. Any other achievement:



Transfusion Medicine 01



Transfusion Medicine 02



Transfusion Medicine 03



Blood Donation camp at Central University of Punjab



DEPARTMENT OF UROLOGY AND RENAL TRANSPLANT

1. Details of the Faculty

Sl.No.	Name of the Faculty	Designation
1	Dr Kawaljit Singh Kaura	Assistant Professor

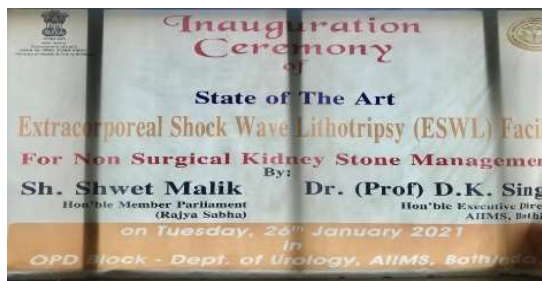
2. Department-wise performance

Sl.No.	Department	As on March 31 st , 2023	From April 1 st , 2020 till March 31 st , 2023	Total
1.	OPD	1039	3392	4431
2.	Telemedicine consultations	00	309	309
3.	Procedures			
	Urethral calibration	00	19	19
	Day care procedures	00	44	44
4.	Major Procedure			
	Percutaneous Nephrostomy	00	02	02
	TRUS guided Prostatic Biopsy	00	04	04
5.	Extracorporeal Shock Wave Lithotripsy (ESWL) Admissions	00	38	38
6.	Investigations	00	00	00
	Uroflowmetry	00	319	319
7.	Any special clinics	00	00	00

3. Extramural Research Projects

Sl.No.	Name of Project	Funding agency	Amount of funding
1.	Respiratory Therapist project	Punjab skill development Mission	2 Cr.

4. Major events/ of the Department:



Inauguration and installation of State of the Art “Extracorporeal Shock Wave Lithotripsy(ESWL)” for non-surgical Kidney Stone removal



A talk on “Recent Advances in Prostate Cancer management” by Dr Sudhir Isharwal from Oregon Health and Science University, Portland USA

URODYNAMIC STUDY TEST (UDS)



INSTITUTE OF NURSING EDUCATION AND RESEARCH

Name of the Department	Institute of Nursing Education & Research
Head of the Department	Prof (Dr.) Kamlesh. Kumari Sharma

1. Faculty Details:

Sl.No.	Name of faculty	Designation	Date of Joining
1	Dr. Monika Sharma	Associate Professor	8 th October 2021 <i>(Left the institution in the month of June, 2023)</i>
2	Dr. Narinder Kaur Walia	Associate Professor	6 th October 2021
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

2. 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 the intake of 60 students and now 3rd Batch of B.Sc. Hons is going to join this institute in the month of August, 2023. At present, INER has strength of total 96 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 aspires 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 2022 to March 2023:

- Induction classes of Nursing Officers
- Classes for BSc (Hons) Nursing 1st year and 2nd Year
- In service programme for nursing officers viz. workshops etc

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 since from April, 2022 till March, 2023. Since February 2023, overall charge of nursing services is being managed by Institute of Nursing Education and Research (INER).

In addition, regular in-service education programme is being organized by selected nursing officers under the guidance of INER faculty.



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

Dr. Kamlesh Kumari Sharma: Professor Cum principal			
	Title/Topic of Conferences/ Lectures delivered	Details of the Event	Organised by
1.	Identification and management of factors causing hypoglycemia in inpatients	N-DECON - the Nursing Diabetes & Endocrine Conference 2022 for Nurses (June 11 2022)	Virtual
2.	Why Leadership in clinical nursing	Clinical leadership in nursing organized by dept of anesthesiology in association with Medtronic (27 Aug. 2022)	AIIMS Bathinda
3.	Keynote: Infection Control Practices: an overview	Workshop on "Nurturing a Culture of Patient Safety" on "World Patient Safety Day (23/09/2022)	AIIMS BATHINDA
4.	Transmission Based Precautions (TBP)	Workshop on "Nurturing a Culture of Patient Safety" on "World Patient Safety Day (23/09/2022)	AIIMS BATHINDA
5.	Unsafe medication practices: Magnitude & contributing factors	Workshop on "Nurturing a Culture of Patient Safety" on "World Patient Safety Day (23/09/2022)	AIIMS BATHINDA
6.	Wound and skin assessment- A step in the right direction	WOUNDCON2022 "Navigating the currents in woundcare" XXIV National Annual Conference (5-7 th Nov 2022)	Dept of Burns & Plastic Surgery AIIMS Bathinda
7.	Diabetic foot ulcers: evidence-based nursing practices done	WOUNDCON2022 "Navigating the currents in woundcare" XXIV National Annual Conference (5-7 th Nov 2022)	Dept of Burns & Plastic Surgery AIIMS Bathinda
8.	Wound pain management: Nurses' responsibility	WOUNDCON2022 "Navigating the currents in woundcare" XXIV National Annual Conference (5-7 th Nov 2022)	Dept of Burns & Plastic Surgery AIIMS Bathinda
9.	Resource Person in workshops on 'Four layer bandaging	WOUNDCON2022 "Navigating the currents in woundcare" XXIV National Annual Conference (5-7 th Nov 2022)	Dept of Burns & Plastic Surgery AIIMS Bathinda
Organised CNE/chaired sessions/panel discussion			
1.	Organizing chairperson: a Symposium (Virtual) on the Theme: "A Voice to Lead - Invest In Nursing and Respect Rights to Secure Global Health"	International Nurses Day 2022 (May 12'2022)	INER AIIMS Bathinda



2.	Organizing chairperson: A 7 days TNAI workshop on the theme: "Nurturing a culture of Patient safety" on the occasion of WORLD PATIENT SAFETY DAY	organized w.e.f. 17.9.2022 to 23.9.2022	INER AIIMS Bathinda
3.	Organising secretary: National level 9 th Annual Conference of IANN on theme of the conference was NEONATAL NURSING: PROMOTING INTACT SURVIVAL OF NEONATES	from 18 th to 20 th Nov 2022 at AIIMS, Bathinda	AIIMS, Bathinda
4.	Organizing session on "Ethical Considerations and Common Constraints: Cornerstones of a Research Proposal" chairperson:	for the National Webinar Series on Excellence in Clinical Nursing Research; held on 25 th January 2023	organized by Clinical Nursing Research Society – North Zone
5.	As coordinator of Preconference workshops on the topics such as "NRP-Optimizing the golden hour"	in the 9 th Annual Conference of IANN from 18 th to 20 th Nov 2022 at AIIMS, Bathinda.	India Nurses of Neonatal Nurses (IANN) and AIIMS, Bathinda.
6.	As a chairperson in session on 'ADVANCED & ALTERNATIVE WOUND CARE THERAPIES' and award paper presentations	Presentations during WOUNDCON2022 on 7 th Nov 2022	organized by Dept of burns and plastic surgery at AIIMS Bathinda
7.	As a chairperson in session on "Challenges in Management of Very Low Birth Weight Infants"	in the 9 th Annual Conference of IANN from 18 th to 20 th Nov 2022 at AIIMS, Bathinda.	India Nurses of Neonatal Nurses (IANN) and AIIMS, Bathinda.
8.	Moderator: Panel discussion (Topic: Suicide Prevention through evidence-based Strategies)	National Webinar on World Suicide Prevention Day dtd 10.09.2022	organized by Clinical Nursing Research Society – North Zone
9.	Moderator: NNF Online Education and Learning for Nurses (NOEL fellows) dtd 14 sept 2022	14 sept 2022	NNF, India
10.	Panelist for Panel Discussion on "Know-Do Gap-A Challenge in Neonatal Nursing"	in the 9 th Annual Conference of IANN from 18 th to 20 th Nov 2022 at AIIMS, Bathinda.	India Nurses of Neonatal Nurses (IANN) and AIIMS, Bathinda.



11	As panelist for a Panel Discussion on Publication Ethics and Quality Writing"	in the two-day Conference on Revamping Nursing Science, Practice and Research on 21st and 22nd December, 2022.	Department of nursing, Chitkara school of health sciences, Chitkara University, Punjab
Paper presented:			
	Devi, A; VY, Vishnu; Sharma, Kamlesh ; Verma, Satish; Riju, Sibi: A study to assess the effectiveness of Interventional package on prevention of pressure ulcers for caregivers of patients with severe neurological disability in AIIMS, Delhi –An RCT"	in 14 th Annual conference of Indian Society of wound care, woundcon 22 organized by department of burns and Plastics, AIIMS Bhatinda held from 5-7 th November 2022 at Bathinda, India	Dept of Burns & Plastic Surgery AIIMS Bathinda
Dr. Narinder Kaur Walia: Associate Professor			
Lectures in other academic programs			
Sr	Title/Topic of the Lectures in other academic programs	Details of the Event	Organised by
1.	Leadership in clinical nursing	Clinical leadership in nursing Practices. (27 Aug. 2022)	Organized by dept. of anaesthesiology in association with Medtronic AIIMS Bathinda
2.	"Nursing Management of Burn Injuries clinical practice guidelines"	24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda w.e.f. 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda
3.	"Pressure Injury Prevention and Management"	24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda w.e.f. 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda
4.	"Four layer Bandaging "	24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda w.e.f. 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda



5.	Participated as Coordinator in KMC: Kangaroo Mother Care	9 th Annual Conference of Indian Association of Neonatal Nurses (IANN) on a Theme – Neonatal Nursing: Promoting Intact Survival Neonates	Indian Association of Neonatal Nurses (IANN) and Institute of Nursing Education & Research (INER), AIIMS Bathinda w.e.f. 18 th to 20 th November, 2022
6.	Acknowledgment and Appreciation Award for participating in Workshop: Four Layer Bandaging	24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda w.e.f. 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda
7.	Attended CME	Glaucoma: Panoramic View	Department of Ophthalmology, AIIMS Bathinda
National Conferences			
1.	Participated as Organizer	World Health Day 2022: Theme: Our Planet, Our Health	Institute of Nursing Education & Research (INER) AIIMS Bathinda on 7 th April, 2022
2.	Attended the House of Delegate Meeting on 30 th April, 2022	Agenda was to consider the biennial reports, passing of biennial accounts, approval of budget, amendment of Rules and Regulations in TNAI and SNAI Bye-Laws	Trained Nurses Association of India in Radisson Blu Hotel, Greater Noida, Uttar Pradesh
3.	Participated as Delegate in SIMULUS – 7 Conference	7 th Annual Conference of PediSTARS on Healthcare Simulation	All India Institute of Medical Sciences, Jodhpur w.e.f. 4 th – 6 th September, 2022
Organised CNE/chaired sessions/panel discussion			
1.	Organized National Symposium On International Nurses Day 2022	A Voice to Lead – Invest in Nursing and Respect Rights to Secure Global Health	Institute of Nursing Education & Research (INER), AIIMS Bathinda
2.	Organizing Secretary for Sponsored workshop by TNAI Punjab	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India
3.	Coordinator Day - 2 Topic- Hospital Acquired infection Day -5 safe transfusion practices	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India



4.	As Resource Person covered following topics: 1. Consequences of unsafe Injection Practices 2. Needle Counselling 3. Stick Injuries – Prevention & Control 4. Infection control in OT	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India
5.	Chairperson	Poster presentation in 24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda w.e.f. 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda
Paper presented:			
1.	Presented paper on Survey regarding side effects of COVID-19 vaccination	18 th All India Annual Academic EM Conclave – INDIA 22	Emergency Medician Association of GOA w.e.f. 7 th to 13 th October, 2022 at Bogmallo Beach Resort, Goa.
2.	Presented paper on COVID-19 related anxiety and coping strategies among Nursing Professionals working in COVID ICU: A Cross Sectional Survey	77 th TNAI National Conference: Theme: “Invest in Nursing for Global Health” at Guwahati, ASSAM on 30 th & 31 st January, 2023.	Trained Nurses Association of India
Dr. Simarjeet Kaur: Assistant Professor (2022-23)			
National Conferences			
1.	Promoting Breastfeeding: A shared Responsibility (Resource Person)	National Symposium on Breast Feeding: Educate & Support, 6 th Aug, 2022	Akal College of Nursing, Eternal University, Baru Sahib, HP, India
2.	Standard Precautions & Biomedical Waste management (Hands on Practice) (Resource Person)	TNAI workshop on ‘Nurturing a Culture of Patient safety’ 17/09/2022-22/09/22	INER, AIIMS, Bathinda in collaboration with TNAI State Branch
3.	National Health Programs related to Communicable diseases	National Conference on ‘Primary Health Care Challenges’ 8 th & 9 th Dec, 2022	University College of Nursing ,BFUHS Faridkot in Collaboration with SPHERE
4.	Emergence of Private Sector: Ever Evolving Concerns	7 th Annual National Conference on Global Health Safety Challenges, 3-4 March 2023	Khalsa College of Nursing, Amritsar Sahib in Collaboration with SOCHNI
5.	Cultural Health Practices & its impact on MCH Services	18 th Annual all India academic conclave of emergency medicine 10 th - 13 th Oct 2022	EMI India ,Goa



Mr. Atul Sharma: Assistant Professor			
Sr	Title/Topic of the Lectures in other academic programs	Details of the Event	Organised by
International Conferences			
	Presented Paper online in “Reflection technique a teaching strategy for psychiatry training”	International conference on “Transformation & Translation in Nursing Education New Era New Insight”	College of Nursing AIIMS Raipur on 22 – 23 Feb 2023
	Poster Presentation (Online) Titled “Reflection Diary in Development of Experiential Learning Skills Among Student Nurses In Selected De-Addiction Center & Psychiatric Hospitals”	International conference on “Transformation & Translation in Nursing Education New Era New Insight”	College of Nursing AIIMS Raipur on 22 – 23 Feb 2023
National Conferences			
1.	Attended National Workshop	New Trends in Healthcare Research Capacity Building for PhD. Scholar & Guide organized by Indian Nursing Council in collaboration with SGT University SNRC Gurugram 2 -3 Feb 2023	Indian Nursing Council in collaboration with SGT University SNRC Gurugram
2.	As a chairperson	2 nd Annual National Conference of Addiction Psychiatry Society of India (APSI) ADDICON 2022 organized	Centre for Addiction Medicine, NIMHANS Bangalore on 2 – 4 Dec 2022
3.	Presented Symposium on “Addiction Psychiatry training for post graduate nursing students”	2 nd Annual National Conference of Addiction Psychiatry Society of India (APSI) ADDICON 2022 organized	Centre for Addiction Medicine, NIMHANS Bangalore on 2 – 4 Dec 2022
4.	Presented paper (Online) on “Psychiatric Nursing Officers Resilience on Mental Health – Build skills to endure hardship”	21 st Annual Conference of ISPN on theme: Resilience in health and illness: Role of Nurse, in collaboration with Narayan Nursing College Rohtas in Bihar on 8 th – 10 th July 2022.	Narayan Nursing College Rohtas Bihar
5.	Online Training	Data Management and Analysis in MS Excel Organized by Odisha Social Science Research And Consultancy from 16.06.2022 to 07.07.2022.	Odisha Social Science Research And Consultancy
6.	Acknowledgment & appreciation award	24 th Annual National Conference WOUNDCON 2022 Organized by Dept of Burns & Plastic Surgery AIIMS Bathinda on 5 th – 7 th Nov 2022.	Dept of Burns & Plastic Surgery AIIMS Bathinda
7.	Attended Workshop	Forensic Psychiatry organized by Chitkara University Chandigarh India on 17-18 May 2022	Chitkara University Chandigarh



Ms Nagdeep Kaur: Assistant Professor			
National Conferences			
1.	Venous Leg Ulcers- Prevention and Management (Resource Person)	24 th Annual National Conference, Indian Society of Wound Management, WOUNDCON 2022, 5 th – 7 th Nov, 2022	Department of Burns and Plastic Surgery, AIIMS Bathinda
2.	Dosage Calculation, Preparation and Administration of Injections- Hands on practice (Resource Person)	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India
3.	Safe Transfusion Practices – Role of Nurse (Resource Person)	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India
4.	Closing Communication Gap and Ensuring Patient Safety (Resource Person)	7 Day National workshop on Patient safety, 17 th Sept- 23 rd Sept 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Trained Nurses Association of India
5.	Pre conference workshop- Non Invasive Respiratory Support to Neonates (Resource Person)	3 Days National Conference on Neonatal Nursing- Promoting Intact Survival of Neonates, 18 th Nov – 20 th Nov 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Indian Association of Neonatal Nurses
6.	Plenary Session I- Saving Neonatal Life in Emergencies (Chairperson)	3 Days National Conference on Neonatal Nursing- Promoting Intact Survival of Neonates, 18 th Nov – 20 th Nov 2022	Institute of Nursing Education and Research, AIIMS Bathinda in collaboration with Indian Association of Neonatal Nurses



4. Faculty achievements –awards, honours etc.

Sl. No.	Name & designation of faculty	Award/honour	Event	Organised by
1.	Prof (Dr.) Kamlesh. Kumari Sharma	External member in Board of Studies committee on Nursing courses		1. JIPMER, Puducherry; 2. Chitkara University, Chandigarh
		SELECTION COMMITTEE EXPERT MEMBER	Selection for nursing faculty in the nursing department	2 institutes
		External expert in Research Quality Committee, RQC	Ph.D research quality	Baba Farid University of Health Sciences (BFUHS)
		Vice president—Clinical nursing research society- north zone (CNRS- NZ)	Professional organization	CNRS, India
		Chief Guest in TNAI Punjab State Workshop on " <u>PPIUCD</u> "	TNAI Punjab State Workshop	Sri Guru Ram das College of Nursing, Sri Amritsar on 23 rd July, 2022.
2.	Dr. Narinder Kaur Walia	Secretary	TNAI Punjab State Branch	Punjab
		Guest of Honor in TNAI Punjab State Workshop 2 DAYS NATIONAL LEVEL WORKSHOP ON Advancements in Management of Cardiothoracic Emergencies	TNAI Punjab State Workshop	26th-27th April, 2022 Department of Nursing, Chitkara School of Health Sciences, Chitkara University, Punjab in collaboration with TNAI Punjab State
		Guest of Honor in TNAI Punjab State Workshop on " <u>PPIUCD</u> "	TNAI Punjab State Workshop	Sri Guru Ram das College of Nursing, Sri Amritsar on 23 rd July, 2022.
		Honoured by TNAI for Scientific Paper Presentation on COVID-19 related anxiety and coping strategies among Nursing Professionals working in COVID ICU: A Cross Sectional Survey	77 th TNAI National Conference: Theme: "Invest in Nursing for Global Health" at Guwahati, ASSAM on 30 th & 31 st January, 2023.	Trained Nurses Association of India



3.	Dr. Simarjeet Kaur, Assistant Professor	Attended Facilitator for Simulation Level –I	Faculty Development Program related to Simulation 3-6th Sept 2022	AIIMS, Jodhpur in collaboration with PediaStar
4.	Mr. Atul Sharma	As a Resource Person	Online Guest Lecture On Psychological Perspective in Patient Safety	Dr. V.V.P.F's, College of Nursing, Ahmednagar
5.	Mrs. Nagdeep Kaur	Team working-Together everyone achieves more (Resource Person)	Clinical Leadership in Nursing, 27 Aug, 2022	Department of Anesthesiology, AIIMS Bathinda

a) Number of Workshop Organized:

- 1) Organized National Symposium On International Nurses Day 2022: A Voice to Lead – Invest in Nursing and Respect Rights to Secure Global Health at Institute of Nursing Education & Research (INER), AIIMS Bathinda on 12th May, 2022
- 2) Organized National level, 9th Annual Conference of Indian Association of Neonatal Nurses (IANN) by IANN Collaboration with Institute of Nursing Education & Research, AIIMS Bathinda from 18th -20th November 2022.
- 3) Organized 07 Days National Workshop on Nurturing a Culture of Patient Safety organized by Institute of Nursing Education & Research, AIIMS Bathinda in Collaboration with TNAI Punjab State Branch on 17th Spet – 23rd Sept 2022

5. Papers and Books/chapters published by the faculty:

a) Prof (Dr.) Kamlesh. Kumari Sharma

- 1) **Sharma KK**, Kaur R, Srinivasan M, Sarkar S, Mani K, Sharma Y, et al. "Depression, anxiety, insomnia, and distress among healthcare workers posted in COVID-19 care" (**Accepted for Publication** in July2023 issue of Indian Journal of Psychiatric Nursing)
- 2) Tripathi N, **Sharma KK**. Assessment Of Available Resources, Challenges Of District Early Intervention Centre Under Rashtriya Bal Swasthya Karyakram At District Jodhpur: A Cross Sectional Study. Int. J. Adv. Res. 2022;10(11), 90-95. DOI URL: <http://dx.doi.org/10.21474/IJAR01/15644>
- 3) Tripathi N, **Sharma KK**. Role of Nursing Personnel for Child Health Services. Asian Journal of Nursing Education and Research. 2022; 12(1):57-1.
- 4) Srivastava SP, Sinha AP, **Sharma KK**, Malik PS. Severity, Risk Factors and Quality of Life of Patients associated with Chemotherapy-Induced Peripheral Neuropathy. Clin Nurs Res. 2022 Jul;31(6):1080-1090. doi: 10.1177/10547738221085613. Epub 2022 Apr 1. PMID: 35362333.
- 5) Tripathi N, **Sharma KK**. Child Health Indicators. International Journal of Current Research. 2022;14(5): 21385-21390.

b) Dr. Narinder Kaur Walia

1. **Narinder Kaur Walia and Monika Sharma**: Parathyroid Gland Disorders: Page 967: Adult Health Nursing – I Medical Surgical Nursing: First Edition 2023 ISBN: 978-93-5465-918-8

2. **Narinder Kaur, Manpreet Kaur, Kamaljeet Kaur:** The Nursing Journal Of India: Covid – 19 Related Anxiety and Coping Strategies among Nursing Professionals Working in COVID ICU: A Cross Sectional Survey
 3. **Narinder Kaur – Nursing Knowledge Tree – A Unit of CBS Publishers and Distributors – Contribution in – Principles & Procedures of Nursing Foundations (Volume I & II)**
- c) **Dr. Simarjeet Kaur**
- 1) **Simar Kaur - Kaur S.** Issues in utilization of MCH services: Qualitative insights from Tribal women of Himachal Pradesh. *NJI.2022;CXIII(O5):221-227.*
 - 2) **Simar Kaur - Kaur S, Kumari B, Thakur R, Muthukumaran T.** Personality style & its relation with level of anxiety. *IJNE.2022;14(4):91-95.*

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



WORLD HEALTH DAY 2022: Theme: Our Planet, Our Health - on 7th April, 2022 organized by Institute of Nursing Education & Research, organized in the Auditorium Hall of AIIMS Bathinda.



**International Nurses Day 2022 celebration: week long activities
Theme: "A Voice to Lead - Invest In Nursing and Respect Rights to Secure Global Health"**



Organized National level 9th Annual Conference of IANN from 18th to 20th Nov 2022 at AIIMS, Bathinda on the theme 'Neonatal Nursing: Promoting Intact Survival Of neonates'



Seven workshops were organized on the topics: (1) NRP: Optimizing the Golden hour, (2) Non invasive Respiratory Support to Neonates, (3) Simulation & OSCE in Neonatal Nursing, (4) Developmental Supportive Care, (5) KMC: Kangaroo Mother Care



TNAI workshop on the theme: "Nurturing a culture of Patient safety "on the occasion of WORLD PATIENT SAFETY DAY

Organized Community Awareness Programs:



World Heart Day, 29 September, 2022 -Poster Exhibition and Screening (BP & BMI), the theme was “Use Heart for Every Heart” in OPD AIIMS Bathinda



World TB day, March 24, 2023- Quiz Competition, Street Play followed by Awareness rally on theme “Yes! We can end TB!” in Bathinda in collaboration with District TB unit Civil Hospital Bathinda & CFM dept. AIIMS Bathinda



OTHER ACTIVITIES



Plantation Drive at AIIMS Campus Bathinda:



Personal Protective Equipment (PPE) as part of In Service Education Program:
As a part of ongoing in-service education program PPE procedure for all Nursing Officers of AIIMS Bathinda.



Blood Donation Camp: Blood Donation Camp Organised on 29 March 2023



**Health Education by Nursing Officers & Student Nurses:
Delivering Health Education to Cardiac Patients on Cardiac arrest & Cardiac Diet**



HOSPITAL SERVICES



OPD SCHEDULE

Medical Superintendent

Prof. (Dr.) Rajiv Kumar, Prof and Head, CTVS

Deputy Medical Superintendent

Dr. Moonis Mirza, Assistant Professor, Hospital Administration

Dr. K. Purushotam, Assistant professor, 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

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.

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.

OPD Registration Time

8.00 AM to 11.00 AM (Mon to Friday)

8.00 AM to 10.00 AM (Saturday)

Re-visit of Old Patients

They can go directly to the Concerned Departments for Consultancy

OPD Consultation Time

9.00 AM to 05.00 PM (Monday to Friday)

9.00 AM to 1.00 PM (Saturday)



MRD

OPD Services

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.

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.

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.

HOSPITAL INDICATORS		
1.	No. of functional beds (Total)	750
2.	Utilization of beds (Bed Occupancy)	60 – 70 %
3.	Average no. of patients visiting IPD Patients/month	1400-1600
4.	Average No. of patients visiting OPD patients/day	1800-2100
5.	No. of MOTs Functional	16
6.	No. of OTs Functional	10
7.	No. of super specialty departments functional	13
8.	No. of specialty departments functional	26
9.	No. of Major Surgeries	4861
10.	No. of Minor surgeries	1869

Census of Hospital Activities

I.No.	Services	Number
1	Total Number of OPD	1253902
2	Total Number of IPD Patients	40065
3	Bacteriology	10838
4	Biochemistry	846111
5	Clinical Pathology	22113
6	Cytopathology	2502
7	Hematology	90248
8	Microbiology	10693
9	Mycology	865
10	Parasitology	1096
11	Serology	397
12	Virology	40347
13	Total Radiological Investigations	120315



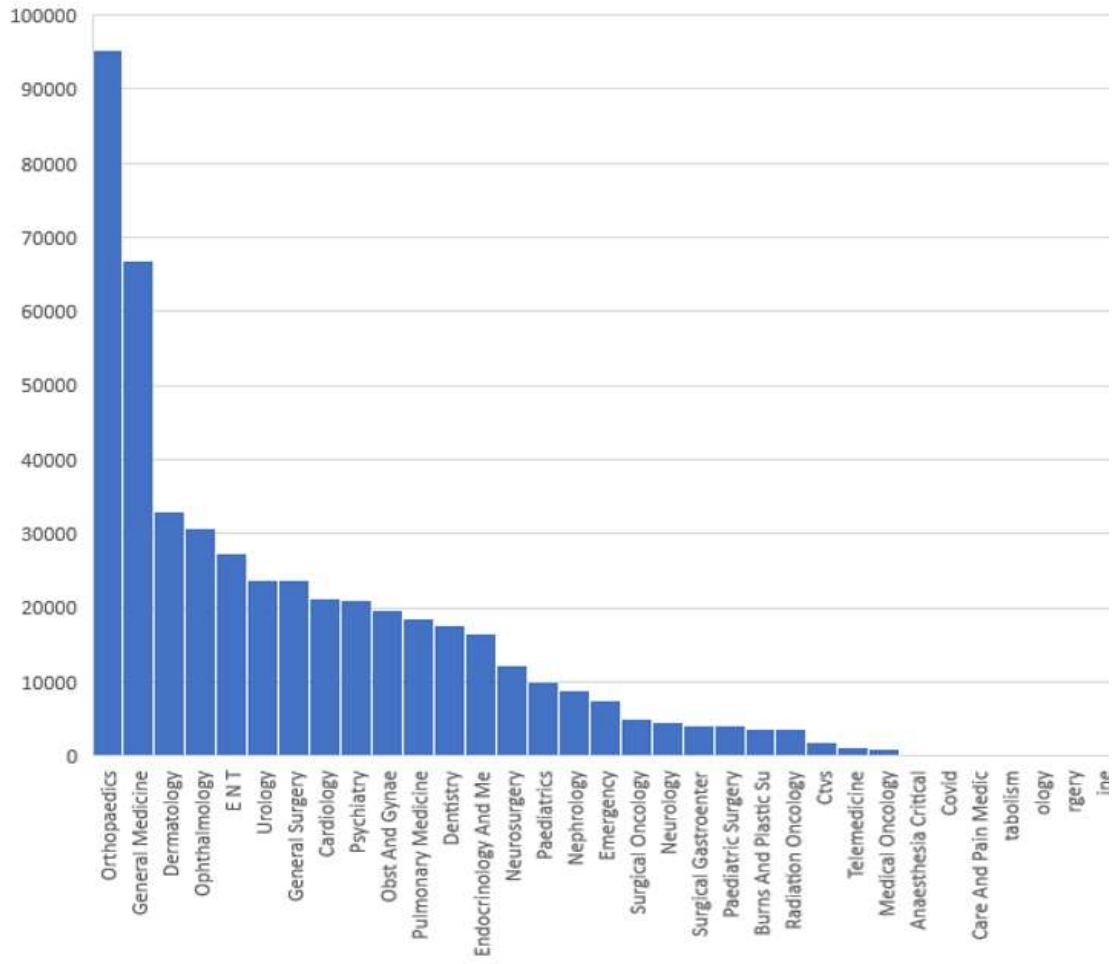
DEPARTMENT-WISE STATISTICS REPORT (APRIL 2022 TO MARCH 2023)

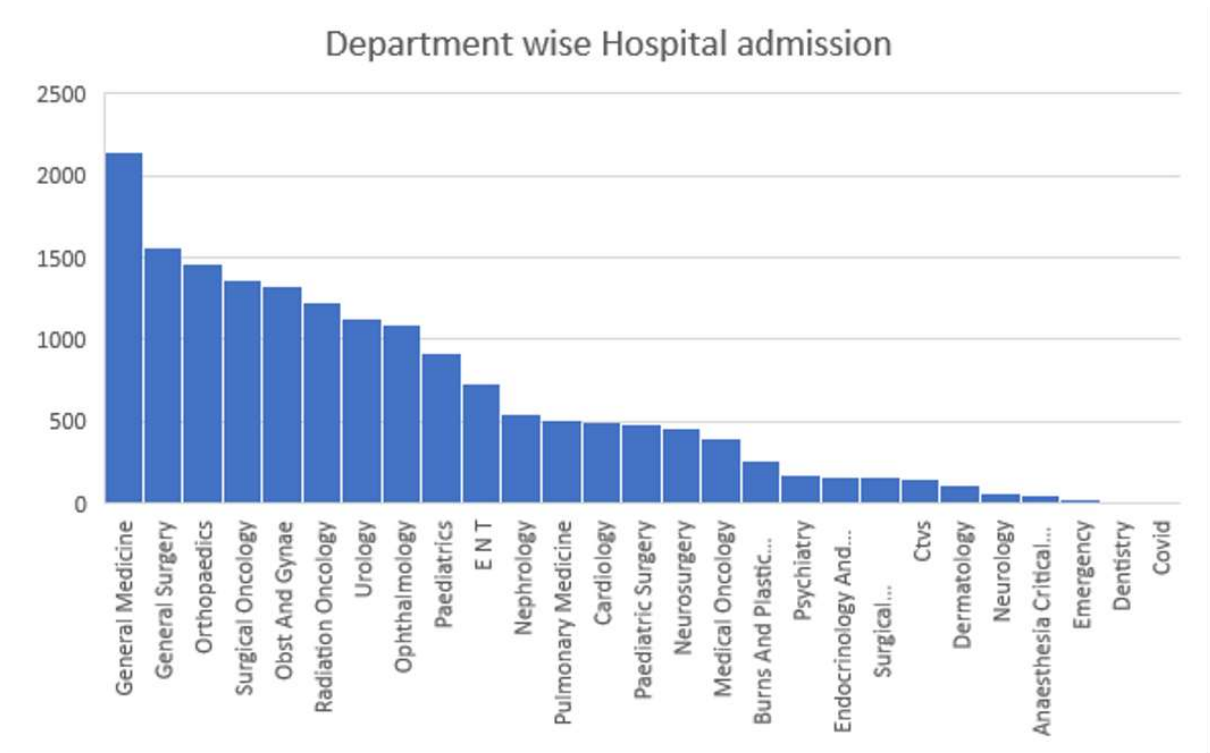
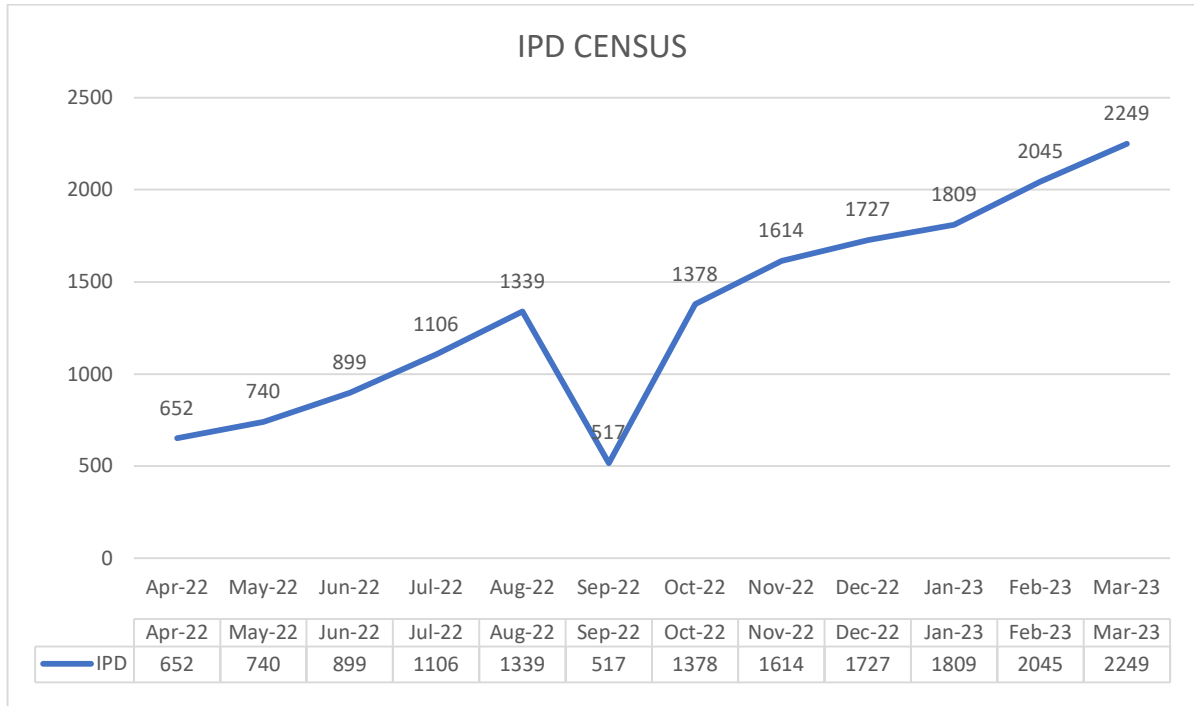
S.N	Department	New Cases				Old Cases				Total			
		M	F	O	T	M	F	O	T	M	F	O	T
1.	Anaesthesia Critical	14	12	0	26	6	6	0	12	20	18	0	38
2.	Burns And Plastic Surgery	1288	611	0	1899	1341	535	0	1876	2629	1146	0	3775
3.	Cardiology	8646	6676	0	15322	3159	2930	0	6089	11805	9606	0	21411
4.	Covid	14	11	0	25	3	1	0	4	17	12	0	29
5.	Ctvs	656	371	0	1027	491	301	0	792	1147	672	0	1819
6.	Dentistry	4654	4881	1	9536	3786	4305	0	8091	8440	9186	1	17627
7.	Dermatology	10624	10568	1	21193	5765	5978	0	11743	16389	16546	1	32936
8.	Emergency	4195	2786	0	6981	314	239	0	553	4509	3025	0	7534
9.	Endocrinology and Metabolism	3835	4812	1	8648	3317	4489	1	7807	7152	9301	2	16455
10.	E N T	8142	7293	0	15435	6362	5683	0	12045	14504	12976	0	27480
11.	General Medicine	16353	17665	1	34019	14806	17975	0	32781	31159	35640	1	66800
12.	General Surgery	6284	6148	1	12433	5360	5904	5	11269	11644	12052	6	23702
13.	Medical Oncology	169	188	0	357	220	312	0	532	389	500	0	889
14.	Nephrology	2323	1446	1	3770	3202	1988	1	5191	5525	3434	2	8961
15.	Neurology	1810	1753	0	3563	546	506	0	1052	2356	2259	0	4615
16.	Neurosurgery	3314	3342	0	6656	2594	2924	0	5518	5908	6266	0	12174
17.	Obst And Gynae	1	9550	0	9551	2	10263	0	10265	3	19813	0	19816
18.	Ophthalmology	8983	10007	0	18990	6248	5451	0	11699	15231	15458	0	30689
19.	Orthopaedics	27334	39604	5	66943	9869	18399	0	28268	37203	58003	5	95211
20.	Paediatrics	3501	2163	0	5664	2692	1637	0	4329	6193	3800	0	9993
21.	Paediatric Surgery	895	416	0	1311	2017	727	0	2744	2912	1143	0	4055
22.	Psychiatry	5810	5099	0	10909	5033	5109	0	10142	10843	10208	0	21051
23.	Pulmonary Medicine	4544	4223	0	8767	4494	5227	0	9721	9038	9450	0	18488
24.	Radiation Oncology	447	610	0	1057	969	1695	0	2664	1416	2305	0	3721
25.	Surgical Gastroenterology	1202	976	0	2178	1037	1011	0	2048	2239	1987	0	4226
26.	Surgical Oncology	817	1028	0	1845	1279	1986	0	3265	2096	3014	0	5110
27.	Telemedicine	342	347	0	689	235	260	0	495	577	607	0	1184
28.	Urology	5852	2409	1	8262	11587	3991	0	15578	17439	6400	1	23840
29.	Grand Total	132049	144995	12	277056	96734	109832	7	206573	228783	254827	19	483629

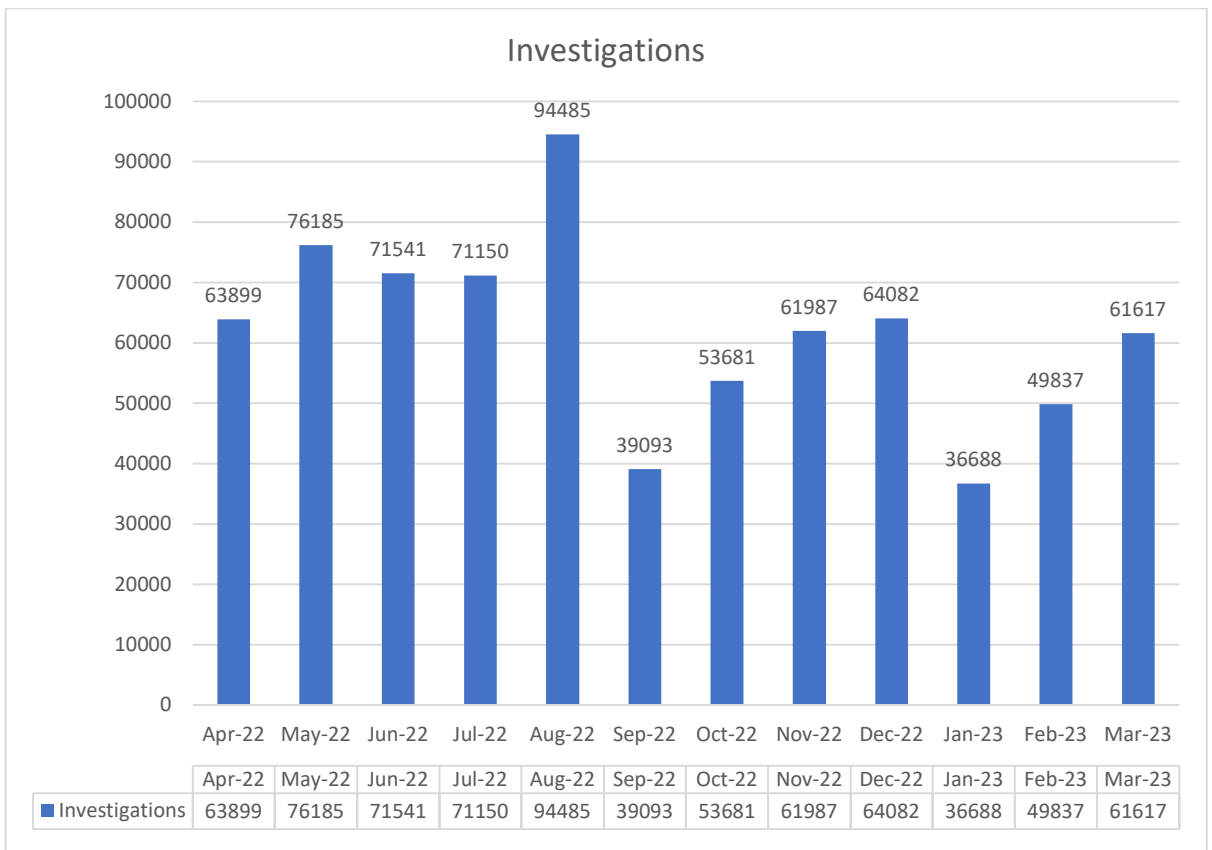
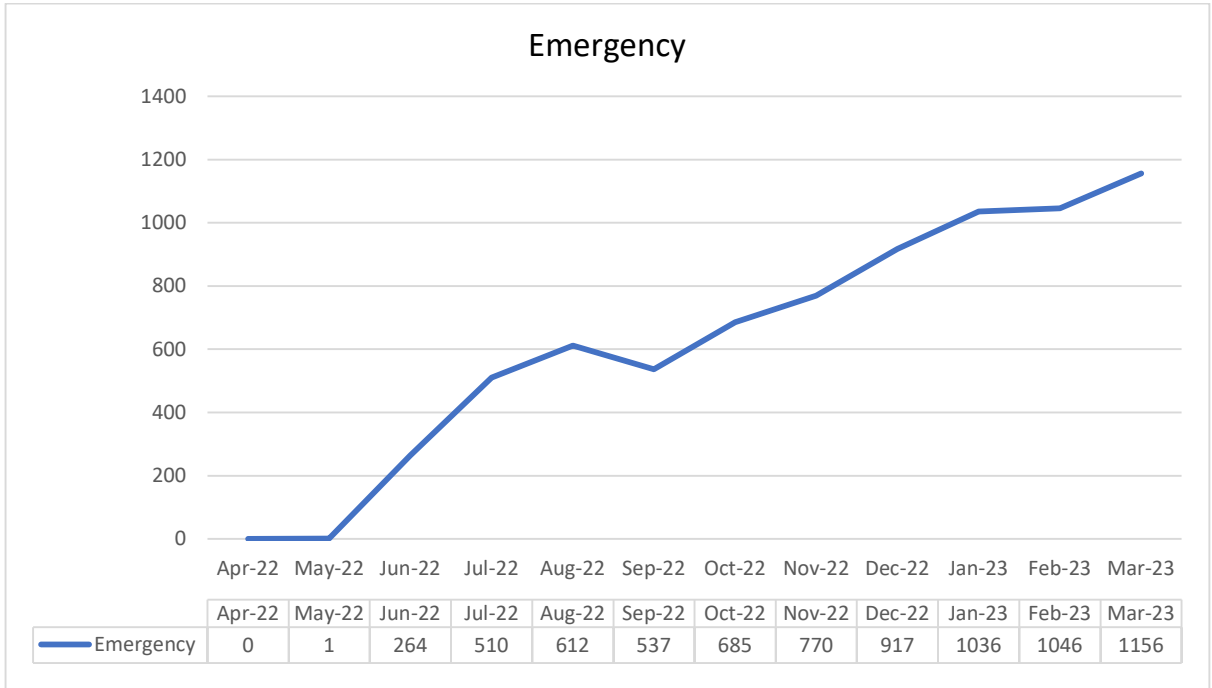


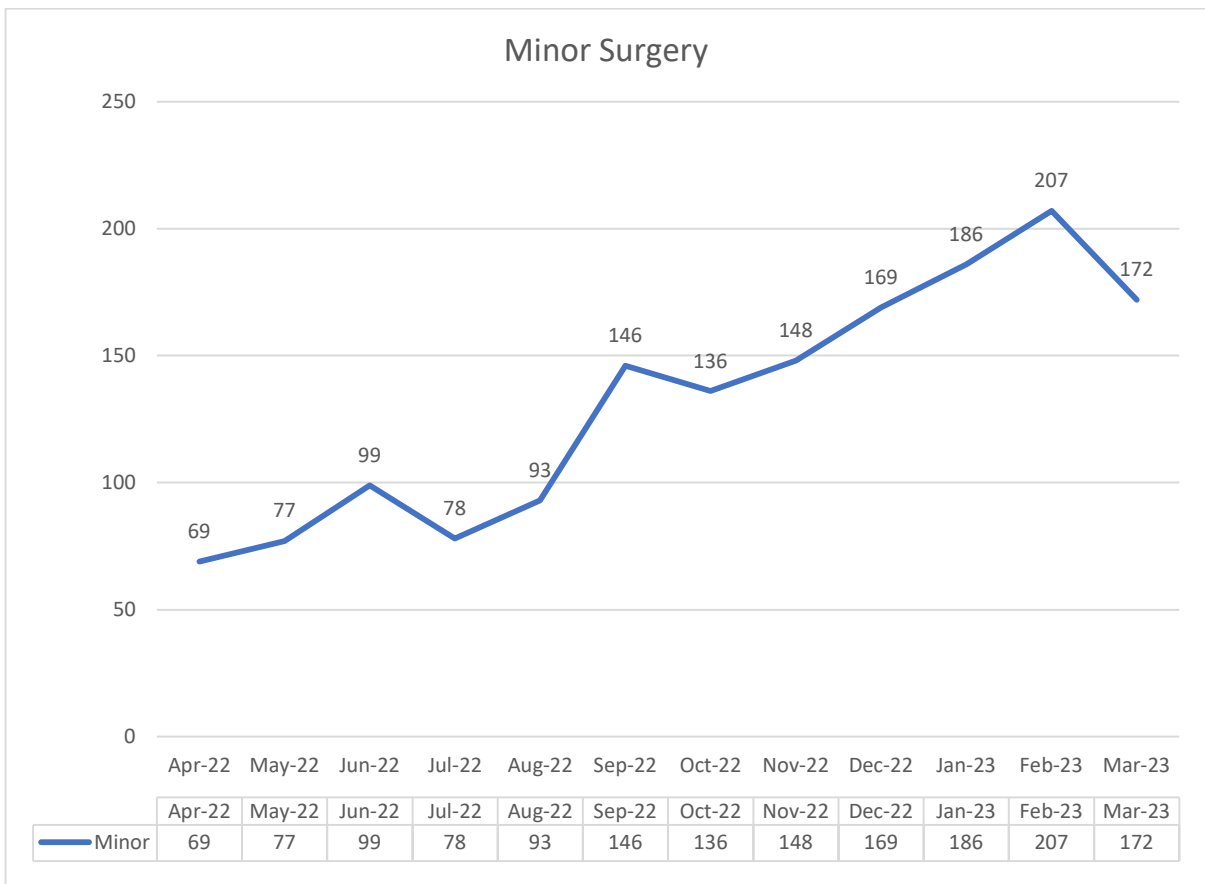
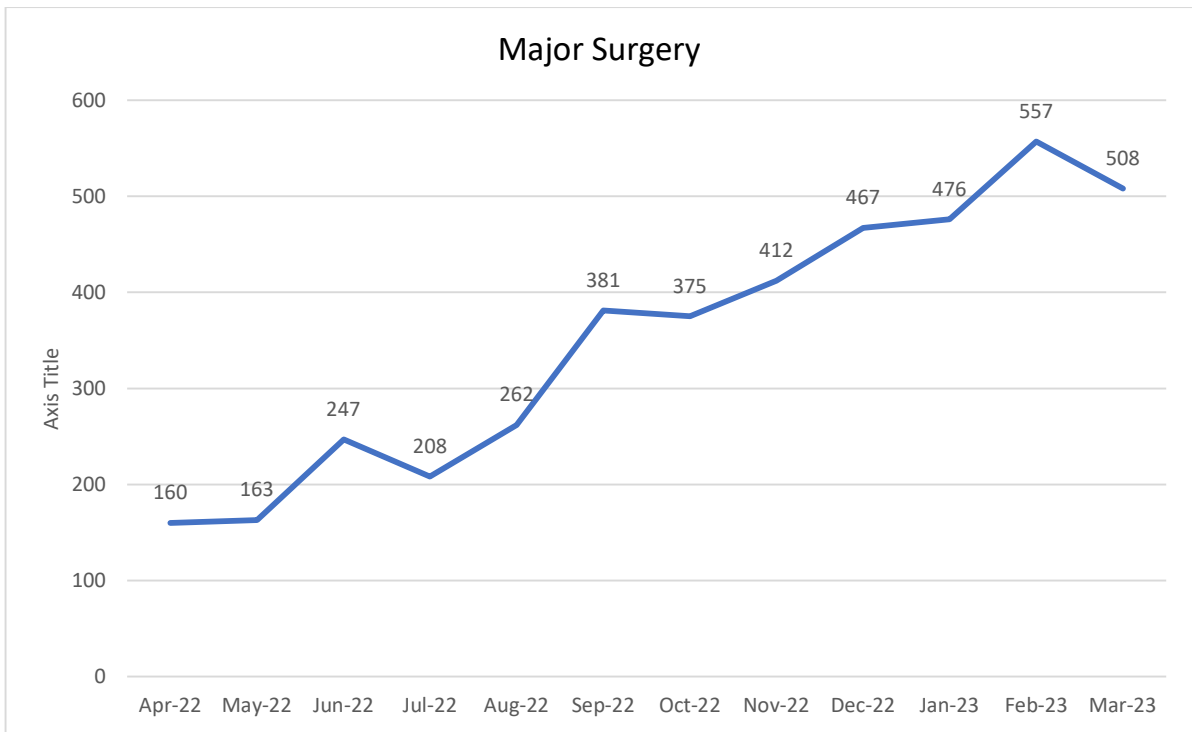
GRAPHICAL REPRESENTATION OF VARIOUS SERVICES

OPD load (Department wise)









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 haematological indices, cytology, and histopathology.

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.



AMRIT PHARMACY AT AIIMS BATHINDA



DEPARTMENT WISE DETAILS OF CLINICAL ACTIVITIES



DEPARTMENT OF ANAESTHESIOLOGY AND CRITICAL CARE

1. PATIENT CARE:

Sl.No.	Category	Number
1.	Patients seen in OPD	11630
2.	Patients admitted in IPD	20 in SICU 1
3.	Teleconsultations	NA
4.	Procedures performed A. Major B. Minor	A. 4507 B. 1877
5.	Any other special clinic/activity	Pain Clinic OPD- 287 Pain Clinic OT- 46

DEPARTMENT OF BIOCHEMISTRY

ROUTINE OPD AND IPD/STAT INVESTIGATIONS

Sl.No.	TEST	OPD	IPD/STAT
1	Glucose	27408	6292
2	Urea	36897	23540
3	Creatinine	38371	22826
4	Cholesterol	8633	1677
5	Triglycerides	8805	1642
6	HDL	7888	1655
7	Direct Bilirubin	31085	18505
8	Total Bilirubin	28362	18160
9	SGOT	31768	18461
10	SGPT	31780	18568
11	ALP	29923	18246
12	Total Protein	31173	18275
13	Albumin	31412	17831
14	Uric Acid	5348	1192
15	Calcium	5715	4450
16	Phosphorus	1720	1346
17	Amylase	817	1299
18	Sodium	19420	22386
19	Potassium	19422	22484
20	Chloride	19420	22344
21	CRP	4204	4132
22	HbA1c	7549	141
23	Lipase	208	1096
24	Magnesium	57	387
25	RF	2359	213
26	Urine ACR ratio	637	52
27	CK-MB	106	162
28	Urine PCR	232	-
29	Urine calcium	30	-
30	Urine CCR	35	-
31	Urine electrolytes	20	-
32	24 HR Protein	174	-
33	CSF	35	44
34	MPR		85
35	LDH	15	446
36	TROP I	-	718
37	NT Pro BNP	-	1543
38	Procalcitonin	-	208



39	Iron	22	-
40	CKNAC	31	-
	Total	431081	270406

LIST OF IMMUNOASSAY INVESTIGATIONS

Sl.No.	Test	Total
1	Vit D	2889
2	Vit B12	2051
3	LH	181
4	FSH	221
5	Prolactin	484
6	Testosterone	209
7	Ferritin	536
8	Folic Acid	148
9	insulin	28
10	C peptide	15
11	cortisol	247
12	CA125	159
13	CEA	236
14	CA 15.3	19
15	Ca19.9	187
16	AFP	82
17	iPTH	374
18	anti TPO	145
19	TSH	5936
20	free T3	3523
21	free T4	3523
22	T.PSA	450
23	F.PSA	63
	Total	21706

DEPARTMENT OF BURNS AND PLASTIC SURGERY

S. No	Category	Number
1.	Patients seen in OPD	4279
2.	Patients admitted in IPD	281
3.	Teleconsultations	06
4.	Procedures performed	
	A. dressing	1508
	B. OPD procedures	307
5.	OT performed	
	A. Major	302
	B. Minor	40
6.	Any other special clinic/activity	
	A. Cleft lip and Craniofacial clinic	187
	B. Hand and Brachial Plexus Surgery clinic	290



DEPARTMENT OF CARDIOLOGY

Sl.No.	Category	Number
1.	Patients seen in OPD	100 patient per day
2.	Patients admitted in IPD	Occupancy of about 80-90% Average daily admission of 5-10 patients.
3.	Teleconsultations	Around 2-3 per week
4.	Procedures performed A. Major B. Minor	<ul style="list-style-type: none"> 30-40 trans-thoracic echocardiography per day 4-6 Transesophageal echocardiography per week 30-40 Electrocardiography per day
5.	Any other special clinic/activity A. Heart Failure Clinic B. Pediatric Cardiology Clinic C. Heart Valve Clinic	50-70 patients week

DIAGNOSTIC SERVICES

Sl. No.	Category	Number
1.	Electrocardiograms	30-40 Electrocardiography per day
2.	Echocardiograms (Transthoracic)	30-40 trans-thoracic echocardiography per day
3.	Echocardiograms (Transesophageal)	4-6 Transesophageal echocardiography per week

DEPARTMENT OF CARDIOTHORACIC AND VASCULAR SURGERY

Sl.No.	Category	Number
1.	Patients seen in OPD	1746
2.	Patients admitted in IPD	152
3.	Teleconsultations	
4.	Procedures performed A. Major B. Minor	103 86
5.	Any other special clinic/activity	Advanced heart Failure Clinic, congenital cardiac surgery, end stage lung disease clinic, Thoracic Surgery clinic, Chest wall and pectus clinic, End stage Lung Disease Clinic, vascular surgery clinic,

DIAGNOSTIC SERVICES

Sl.No.	Category	Number
1	ECG	88



DEPARTMENT OF COMMUNITY AND FAMILY MEDICINE

Sl. No.	Category	Number
1.	Patients seen in OPD	5020 (in Urban and Rural Health Training Centres)
2.	Patients admitted in IPD	NA
3.	Teleconsultations	NA
4.	Any other special clinic/activity	Immunization Clinic: 3592 (No. of doses) Pediatric and Adult vaccination

DEPARTMENT OF DERMATOLOGY

Sl.No.	Category	Number
1.	Patients seen in OPD	32,930
2.	Patients admitted in IPD	111
3.	Teleconsultations	148
4.	Procedures performed A. Major B. Minor	3130
5.	Any other special clinic/activity (Jan to march)	Psoriasis-229, Vesicobullous-77

DEPARTMENT OF DENTISTRY

	Category	Number
Diagnostics	Patients seen in OPD	17626
	Procedures performed	
	A. Major	
	B. Minor	
	CBCT	214
Major Procedures	IOPA	3916
	Lat ceph	86
	Dental Implants	16
	Periodontal Microsurgery	10
	Laser Assisted Surgeries	30
	FPD	58
	Obturator	30
	Orthodontic Treatment	135
	Periodontal Surgeries	251
	RCT	720
	Obturator	30
	Activator	5
	Fracture Reduction	14
	Impactions	72
	Cyst Removal	6
Tumour excision	2	
Minor Procedures	Extractions	1592
	Complete Dentures	105
	RPD	36
	Oral Prophylaxis	106
	Scaling and Root planning	631
	Restorations	1415
	Study Cast	161



DEPARTMENT OF ENDOCRINOLOGY AND METABOLISM

SI.No.	Category	Number
1.	Patients seen in OPD	7823
2.	Patients admitted in IPD	21
3.	Teleconsultations	41
4.	Procedures performed A. Major B. Minor	GnRH stimulation test-2 ACTH Stimulation test- 1 GH suppression test- 2 Extended OGTT- 1 ARR-1
5.	Any other special clinic/activity	Pediatric clinic Obesity clinic

FOR DIAGNOSTIC DEPARTMENTS

SI. No.	Category	Number
1.	B. Glucose	188
2.	Urine ketone	10
3	Serum Ketone	02

DEPARTMENT OF ENT

SI. No.	Category	Number
1.	Patients seen in OPD	25870
2.	Patients admitted in IPD	732
3.	Teleconsultations	33
4.	Procedures performed A. Major B. Minor	413 21,913
5.	Any other special clinic/activity A. Audiometry and tympanometry B. BERA (Brainstem Evoked Response Audiometry)	6240 96

DEPARTMENT OF GENERAL MEDICINE

SI. No.	Category	Number
1.	Patients seen in OPD	72559
2.	Patients admitted in IPD	4170
3.	Teleconsultations	105
4.	Any other special clinic/activity	Fibro scan and liver clinic Diabetes clinic Hypertension clinic Rheumatology clinic



DEPARTMENT OF GENERAL SURGERY

Sl. No.	Category	Number
1.	Patients seen in OPD	24536
2.	Patients admitted in IPD	1,573
3.	Teleconsultations	52
4.	Procedures performed A. Major	750 Laparoscopic =300 Hepato- biliary-pancreatic=250 Hernia & AWR = 215 GI, Colorectal = 145 Thoracic=15 Breast cancer=20 Thyroid/Parotid=5 Peripheral Vascular=45 Emergency=96
	B. Minor	>4000
5.	Any other special clinic /activity	Diabetic foot clinic, AVF and CAPD clinics

DEPARTMENT OF OBSTETRICS & GYNAECOLOGY

Sl. No.	Category	Number
1.	Patients seen in OPD	19816
2.	Patients admitted in IPD Day-care	1321 90
3.	Teleconsultations	51
4.	Procedures Performed (Total) A. Major B. Minor	504 478
5.	Any other special clinic/activity(Total) A.PAP B.USG C. Colposcopy	1180 692 95

DEPARTMENT OF MICROBIOLOGY

Sl. No.	Category	Number
1.	COVID RT PCR	13714
2.	Fungal KOH Microscopy	286
3.	Dengue Serology	207
4.	HIV Serology	169
5.	HCV Serology	100
6.	Urine culture	4637
7.	Blood culture	818
8.	Pus/Tissue culture	847
9.	Respiratory specimen culture	247
10.	Sterile fluids culture	215
11.	Stool culture	7
12.	Parasitology (Stool routine)	45
13.	Staining (Gram + ZN stains)	195
14.	Scrub Typhus	52
15.	Leptospirosis	51



DEPARTMENT OF NEPHROLOGY

SI.No.	Category	Number
1.	Patients seen in OPD	8342
2.	Patients admitted in IPD	566
3.	Tele-consultations	50
4.	Any other special clinic/activity	3 (Three) <ul style="list-style-type: none"> Glomerulonephritis clinic (Wednesday 9-5 PM) Renal Transplant Clinic (Thursday 9-5 PM) CAPD Clinics (Thursday 1pm-2pm)
5.	Procedures performed	TCC Catheter placement-182 CAPD catheter insertion-20 Kidney biopsy-163 AV Fistula surgery-2
6.	Dialysis Procedures	Dialysis services started on the 8 th October 2022.

Total Dialysis = 2011

DEPARTMENT OF NEUROSURGERY

SI. No.	Category	Number
1.	Patients seen in OPD	11077
2.	Patients admitted in IPD	455
3.	Teleconsultations	
4.	Procedures performed A. Major B. Minor	262 204
5.	Any other special clinic/activity	Neuropaediatric, Neurooncology and Spine

DEPARTMENT OF MICROBIOLOGY

SI.No.	Category	Number
1.	Patients seen in OPD	31133
2.	Patients admitted in IPD	1089
3.	Teleconsultations	138
4.	A. Procedures performed: Major B. Procedures performed: Minor	904 425
5.	Any other special clinic/activity	Glaucoma Cornea Squint Retina

DIAGNOSTICS

SI.No.	Category (Name of test)	Number
1	Optical coherence tomography	2294
2	Perimetry	981
3	Ultrasonography (B-SCAN)	490
4	Fundus fluorescein angiography	110
5	Laser procedures	510
6	Synoptophore	274



DEPARTMENT OF ORTHOPAEDICS

Sl. No.	Category	Number
1.	Patients seen in OPD	84732
2.	Patients admitted in IPD	1470
3.	Teleconsultations	169
4.	Procedures performed A. Major B. Minor	1234 113
5.	Any other special clinic/activity	Sports clinic (Tuesdays) and Clubfoot and hand clinic (Thursday) had total of 7712 patients

DEPARTMENT OF PEDIATRICS

Sl. No.	Category	Number
1.	Patients seen in OPD	16242
2.	Patients admitted in IPD- Pediatric	613
3.	Total number of Deliveries conducted	172
4.	Neonates admitted in neonatal ward	99
5.	Patients admitted in NICU	73
6.	Procedures performed A. Major B. Minor	20 100
7.	Any other special clinic/activity	Pediatric Oncology daycare started 21-12-2022. Total chemotherapy infusions: 113 till 31-03-23. Procedures under sedation:

DEPARTMENT OF PEDIATRIC SURGERY

Sl. No.	Category	Number
1.	Patients seen in OPD	7026
2.	Patients admitted in IPD	521
3.	Teleconsultations	10
4.	Procedures performed A. Major B. Minor	550 (major)
5.	Any other special clinic/activity (minor OT)	150

DEPARTMENT OF PATHOLOGY

Sl.No.	Category	Number
1.	Histopathology	6608
2.	Immunohistochemistry	150
3.	Special Stains: AFB	320
4.	Special Stains: Congo red	54
5.	Special Stains: PAS	450
6.	PAP	2981
7.	Exfoliative cytology	1322



8.	FANC	2462
9.	CBC	1,72,238
10.	PBF	2000
11.	ESR	22570
12.	Urine R/E	45000
13.	Semen Analysis	75
14.	Bone marrow Examination	300
15.	Coagulation Profile (PTI/ INR/ APTT/ D-dimer)	37000
16.	Thalassemia screening	530
17.	BT/CT	150
18.	Reticulocyte count	600
19.	Pearl's stain	300
20.	Mantoux test	75
21.	CSF cell count	2500

DEPARTMENT OF PHARMACOLOGY

Sl. No.	Category	Number
1.	Patients seen in OPD	No
2.	Patients admitted in IPD	Dr. Rachna involved in AMS related consultation and bed side rounds in various IPD wards/ICUs
3.	Teleconsultations	Dr. Rachna: Drug information service as teleconsultation
4.	Procedures performed A. Major B. Minor	No
5.	Any other special clinic/activity	<p>Dr Abhinav Kanwal is involved as a coordinator for running adverse drug monitoring centre where ADR reporting is done in concerned OPDs and IPD wards. Further causality assessment is done and report to NCC-PvPI.</p> <p>Dr. Rachna involved in AMS-related consultation and bedside rounds in various IPD wards/ICUs.</p> <p>Dr Mintu Pal is a Deputy coordinator of causality assessment of ADR reporting to NCC-PvPI.</p>

DEPARTMENT OF PHYSIOLOGY

Sl. No.	Category	Number
1.	NCV	Performed on a daily basis
2.	VEP	Performed on a daily basis
3.	EEG	Referred patients weekly



DEPARTMENT OF PSYCHIATRY

SI.No.	Category	Number
1.	Patients seen in OPD	19005
2.	Patients admitted in IPD	155
3.	Teleconsultations	4-5/week
4.	Procedures performed. A. Major B. Minor	ECTs-79 Pentothal abreaction 8 Psychotherapy sessions 180
5.	Any other special clinic/activity	Emergency and CL Psychiatry Services

DEPARTMENT OF PULMONARY MEDICINE

SI.No.	Category	Number
1.	Patients seen in OPD	21116
2.	Patients admitted in IPD	500
3.	Teleconsultations	00
4.	Procedures performed A. ICD B. Pleural Tap	157 67 90
5.	Any other special clinic/activity	ABPA Clinic, ILD Clinic

DIAGNOSTICS

SI.No.	Category	Number
1	Spirometry	1328
2	CPET	20

DEPARTMENT OF RADIATION ONCOLOGY

SI. No.	Category	Number
1.	Patients seen in OPD	3490
2.	Patients admitted in IPD	IPD-633, DAY CARE-594
3.	Teleconsultations	18
4.	Procedures performed A. Major B. Minor	500
5.	Any other special clinic/activity	ENT, ORTHO tumor clinics

DEPARTMENT OF RADIODIAGNOSIS

SI. No.	Category	Number
1.	Ultrasound	15,499
2.	Mammography	53
4.	X-rays	63,109
5.	CT	13,732
6.	MRI	7092



DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Sl. No.	Category	Number
1.	Patients seen in OPD	3895
2.	Patients admitted in IPD	246
3.	Teleconsultations	Nil
4.	Procedures performed A. Major	182
5.	Any other special clinic/activity	Fibro scan of liver: all working days

DEPARTMENT OF TRANSFUSION MEDICINE AND BLOOD BANK

Sl.No.	Category	Number
1	Blood Grouping	9012
2	Indirect Coombs Test (ICT)	78
3	Direct Coombs test (DAT)	110
4	Differential DAT	47
5	Blood Compatibility testing	1565
6	Antibody screening	32
7	Antibody Identification	32
8	Auto-antibody screening	25
9	Antibody titer	10

DEPARTMENT OF UROLOGY

Sl. No	Category	Number
1.	Patients seen in OPD	23,840
2.	Patients admitted in IPD	1131
3.	Teleconsultations	20
4.	Procedures performed A. Major B. Minor	280 210
5.	Extracorporeal shock wave lithotripsy (ESWL) total – Admission	632

DIAGNOSTICS

Sl.No.	Category	Number
1.	Name of test	
a.	UDS	55
b.	UFM	2,477



CENTRAL FACILITIES



CENTRE FOR MEDICAL EDUCATION TECHNOLOGY (CMET)

REPORT FOR THE YEAR 2022-23

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.

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.

1. The Team:

Sl. No.	Name	Designation	Role
1.	Prof. Dr. D.K. Singh	Executive Director	Patron
2.	Prof. Dr. Akhilesh Pathak	HOD Forensic Medicine	Coordinator
3.	Dr. Navita Aggarwal	Associate Professor	Assistant Coordinator
4.	Dr. Ajay Kumar	Additional Professor	Member
5.	Dr. Tarun Goyal	Additional Professor	Member
6.	Dr. Manjit K Rana	Additional Professor	Member
7.	Dr. Jyoti Barwa	Associate Professor	Member
8.	Dr. Meena Mirdha	Associate Professor	Member
9.	Dr. Rattan Singh	Assistant Professor	Member
10.	Dr. Madhur Verma	Assistant Professor	Member
11.	Dr. Balpreet Kaur	Assistant Professor	Member
12.	Dr. Bharat Udey	Assistant Professor	Member
13.	Dr. Abhinav Kanwal	Assistant Professor	Member
14.	Dr. Sivanantham	Assistant Professor	Member
15.	Dr. Shailendra Rana	Assistant Professor	Member
16.	Dr. Rohit Mahajan	Assistant Professor	Member
17.	Dr. Niket Verma	Assistant Professor	Member

2. Events:

Sl. No.	Date	Topic of Workshop	Organizing Chairperson	Guest Speaker	Resource Faculty
1.	07-Nov-2022	Critical Thinking Skills	Dr. Akhilesh Pathak	Dr. Veena Singh	Dr. Navita Aggarwal, Dr. Niket Verma
2.	30-Sep-2022	Introduction to the Undergraduate Curriculum Documents	Dr. Akhilesh Pathak	-	Dr. Navita Aggarwal, Dr. Niket Verma

**CENTRE FOR MEDICAL EDUCATION TECHNOLOGY (CMET):
PICTURES**



Group photograph of the participants of the Workshop on Introduction to UG Curriculum Documents



Working session of the Workshop on Introduction to UG Curriculum Documents



Workshop on Critical Thinking Skills

INSTITUTIONAL ETHICS COMMITTEE (IEC)

Sl. No.	Name of Member	Qualification	Role/Designation in Ethics Committee
1.	Dr. Satinder Gomer	MBBS (MD-Anaesthesia)	Chairperson
2.	Dr. Priti Chaudhary	MBBS (MS- Anatomy)	Member Secretary
3.	Dr. Jitendra Aneja	MBBS (MD- Psychiatry)	Clinician
4.	Dr. Lajya Devi Goyal	MBBS (MD- Obstetrics & Gynaecology)	Clinician
5.	Dr. Anuradha Raj	MBBS (MD/MS - Ophthalmology)	Clinician
6.	Dr. Akhilesh Pathak	MBBS (MD Forensic Medicine)	Basic Medical Scientist
7.	Dr. Vinod Arya	BA – Sociology (Ph.D. in Sociology)	Social Scientist
8.	Mr. Rohit Sharma	LLB (Perusing LLM)	Legal Expert
9.	Mr. Mohan Lal Arora	BSc. (MSc Zoology)	Lay Person
10.	Dr. Mridul Madhav Pandit Rao	MBBS (MD-Anaesthesia)	Clinician
11.	Dr. Abhinav Kanwal	B. Pharm, Pharmaceutical Sciences (Ph.D. Pharmaceutical Sciences)	Scientific member
12.	Dr. Parveen Bansal	B.Sc. (Ph.D. Biochemistry)	Scientific Member

Institutional ethical committee of AIIMS Bathinda was registered on 6-10-2020 with CDSCO & also registered with DHR & NECRBHR on 19-11-2020. **5th meeting** of the Institutional Ethical Committee was held on 19-7-2022 at Conference Room, AIIMS Bathinda, in which a total of 16 STS projects were discussed, out of which 10 STS projects were approved and 5 were approved subject to modifications, 1 STS project was approved subject to permission for using mentioned scales; **6th IEC meeting** was held on 3-10-2022 in which a total of 29 research projects (faculty) and 44 PGs projects were discussed out of faculty projects discussed, 19 faculty projects were approved, 8 were approved subject to modifications and 2 research projects were asked to resubmit again to IEC after major modifications.



7th IEC meeting was held on 3-3-2023, in which a total of 38 research projects were discussed, out of which 17 research projects were approved and 21 were approved subject to modifications.



INTERNAL COMPLAINTS COMMITTEE (ICC)

PREVENTION OF SEXUAL HARASSMENT AT WORKPLACE

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.

In this context an ICC committee was duly constituted by AIIMS Bathinda vide letter No. AIIMS/Bathinda/Admin/OO/29 dated 11-Aug-2020.

Sl.No.	Name	Designation
1.	Dr. Lajya Devi	Chairperson
2.	Dr. Ajay Kumar	Member
3.	Dr. Priti Chaudhary	Member
4.	Dr. Anuradha Raj	Member
5.	Dr. Navita Aggarwal	Member
6.	Dr. Vaibhav Saini	Member
7.	Dr. Jitender Aneja	Member
8.	Dr. Sapna Sheeba Marcus	Member
9.	Dr. Preeti Singh Dhoat	Member
10.	Nursing Officer	Member

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.

INFORMATION TECHNOLOGY (IT) CELL

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 its 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 2 Programmers (IT) on contractual basis and has also created the Information Technology cell as under to assist the Administration.

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: -

- | | | |
|-----------------------|-----------------|--------------|
| (a) News & Events | Information | (n) Research |
| (b) Procurement | (h) Academics | |
| (c) Recruitment | (i) Enquiry | |
| (d) Citizen Charter | (j) Gallery | |
| (e) Grievance Form | (k) Vendor Form | |
| (f) Hospital Services | (l) OPD Roster | |
| (g) Departmental | (m) Events | |



Dr. Mansukh Mandaviya
Cabinet Minister
Ministry of Health and Family Welfare
Government of India

Online OPD Registration

Dr. Bharati Pravin Pawar
Minister of State
Ministry of Health and Family Welfare
Government of India

Events

- 03 APR** Workshop/ICMR funded Clinical Training/Translational Research Workshop on "Bench to Bedside: Translating Research from Laboratory to Patient Care" | Department of Pathology
- 26 MAR** Event:Glaucoma : A Panoramic View | Department of Ophthalmology
- 24 MAR** Event:World TB Day |Department of Community and Family Medicine

[View all](#)

Welcome to All India Institute of Medical Sciences, Bathinda

Prof. Dinesh Kumar Singh
Executive Director
AIIMS Bathinda

Professor D K Singh joined as the founder Executive Director of AIIMS, Bathinda on 27.06.2020. Professor Singh endeavors to fulfil the mandate of this institute by developing it into a centre of excellence in medical care, a state of art facility for medical training and research.

Prof. D. K. Singh has immense experience in hospital management and medical education. Before joining AIIMS Bathinda, he was working as the director of Rajendra Institute of Medical Sciences(RIMS), Ranchi. His extra-ordinary work and dedication won him accolades for achieving many milestones for RIMS Ranchi.

[Read More...](#)

Procurement Recruitment

(Posted on 16-Mar-2023)
Invitation of quotations for consumables items part1 to run dialysis unit for the department of Nephrology at AIIMS, Bathinda

(Posted on 15-Mar-2023)
NIT for RFID Library Security System in Library Department for Central Library.

[For More Procurement Notices](#)
[Click Here](#)

[View all](#)

News & Notifications

(Posted on 07-Mar-2023)
Purchase of "Instrument - BD Totalystrm Sld Prep" on Proprietary basis- Inviting Comments thereon

(Posted on 24-Feb-2023)
Information brochure for stray round of counseling for AIIMS

[View all](#)

Patients Registration for OPD

- Last Week : 9250
- Till Now : 820142

Helpline Numbers

Psychiatry Problems
0164 - 2867575/ 0164-2867576

AIIMS Bathinda on Social Media

Tweets by @AimsoBathinda

Directions to AIIMS Bathinda

Our Gallery

- WORLD GLAUCOMA WEEK | DEPARTMENT OF OPHTHALMOLOGY
- WORLD CANCER DAY | INSTITUTE OF NURSING EDUCATION AND RESEARCH
- WORLD SLEEP DAY | DEPARTMENT OF PHYSIOLOGY
- GLAUCOMA : A PANORAMIC VIEW | DEPARTMENT OF OPHTHALMOLOGY
- WORLD TB DAY | DEPARTMENT OF COMMUNITY AND FAMILY

[View all](#)

About AIIMS

AIIMS, Bathinda is one of the apex healthcare institutes being established by the ministry of health & family welfare, Government of India under the Pradhan Mantri Swasthya Suraksha Yojna (PMSSY).

Other AIIMS	Useful Links	Important Link	Settings
AIIMS Delhi	AIIMS Bhubaneswar	AIIMS Bhopal	AIIMS Bikaner
AIIMS Bhubaneswar	AIIMS Mangalagiri	AIIMS Jodhpur	AIIMS Patna
AIIMS Jodhpur	AIIMS Raebareilly	AIIMS Patna	AIIMS Raipur
AIIMS Patna	AIIMS Raigarh	AIIMS Raipur	AIIMS Gorakhpur
AIIMS Raipur	AIIMS Gorakhpur	AIIMS Raipur	AIIMS Bhopal
AIIMS Bhopal	AIIMS Raipur	AIIMS Raipur	AIIMS Raipur

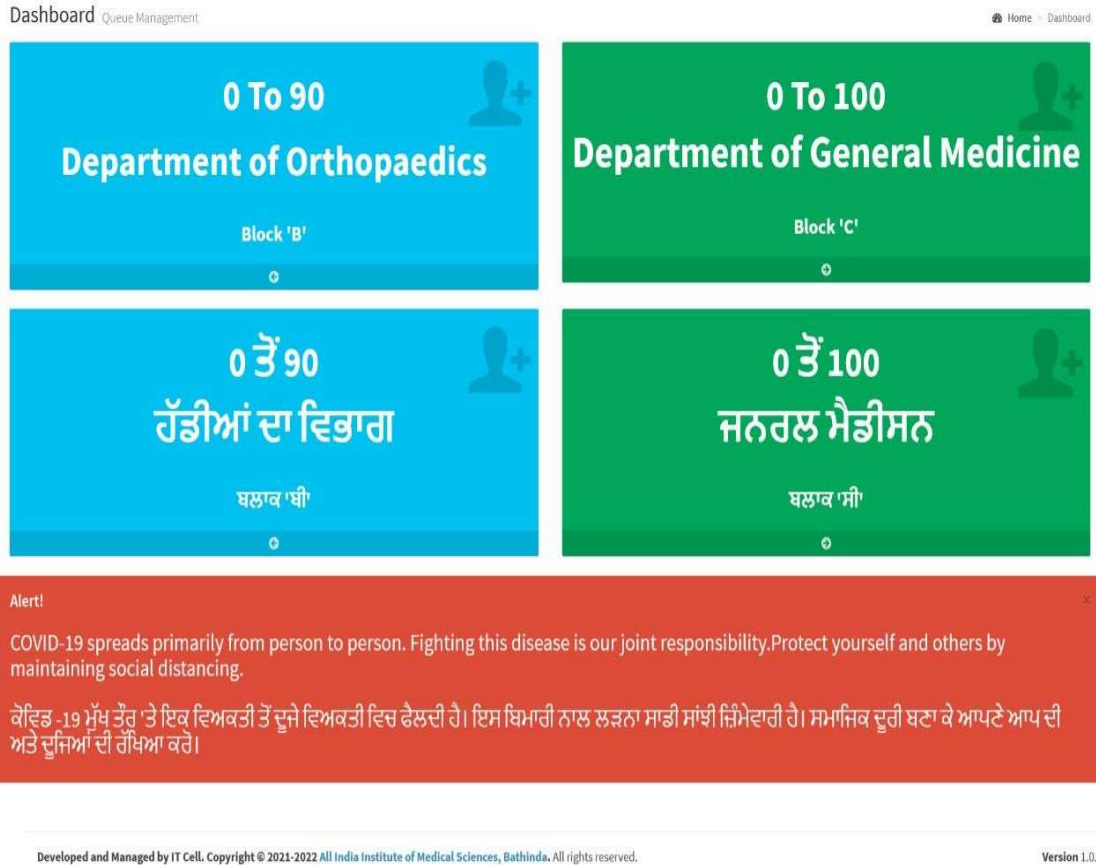
Copyright © 2023 All rights reserved. AIIMS Bathinda. All rights reserved. | [AIIMS Bathinda](#)

Website screenshot providing the details of the Hospital services & ORS



1. Major Services and Developments of the IT Cell:

- 1) **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.



Department of Orthopaedics

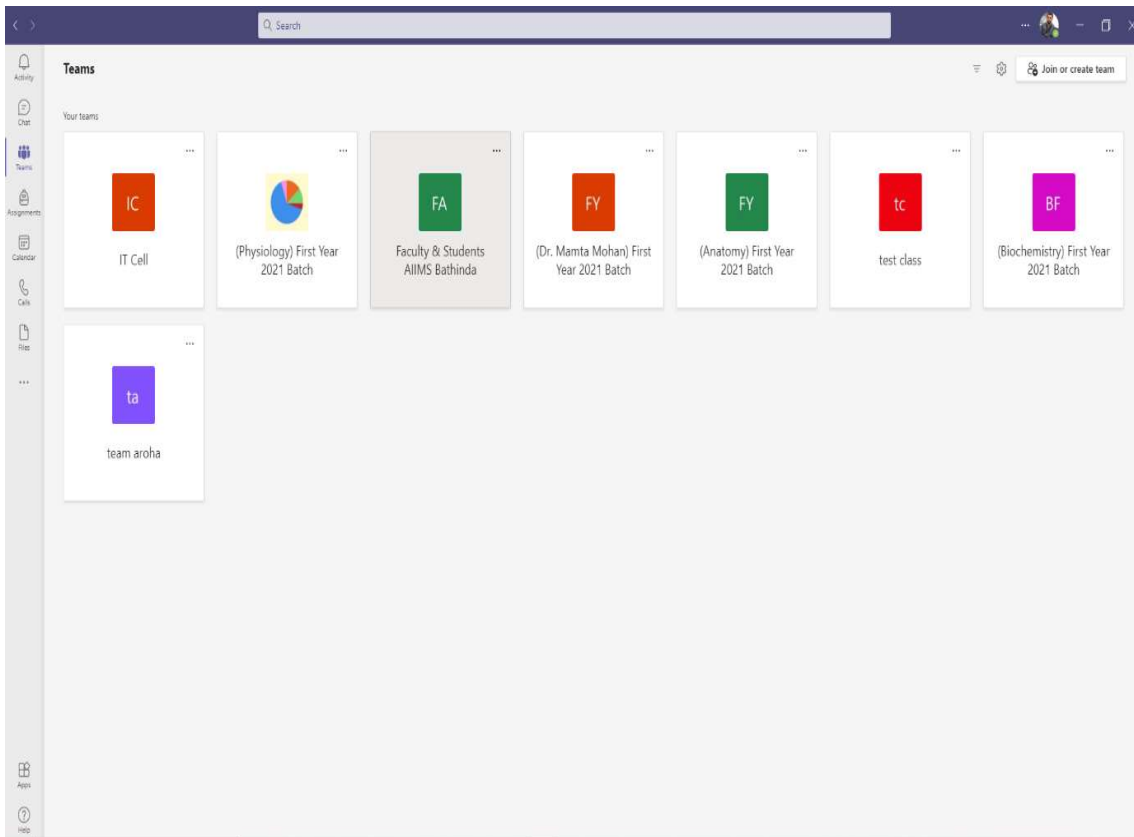
<p>Room Number:- 2015</p> <p>1 To 10</p>	<p>Room Number:- 2016</p> <p>1 To 30</p>
<p>Room Number:- 2026</p> <p>0 To 0</p>	<p>Room Number:- 2027</p> <p>1 To 10</p>

- 2) **Learning Management System (LMS):** - Platforms that are implemented by IT Cell are used LMS as mentioned below: -

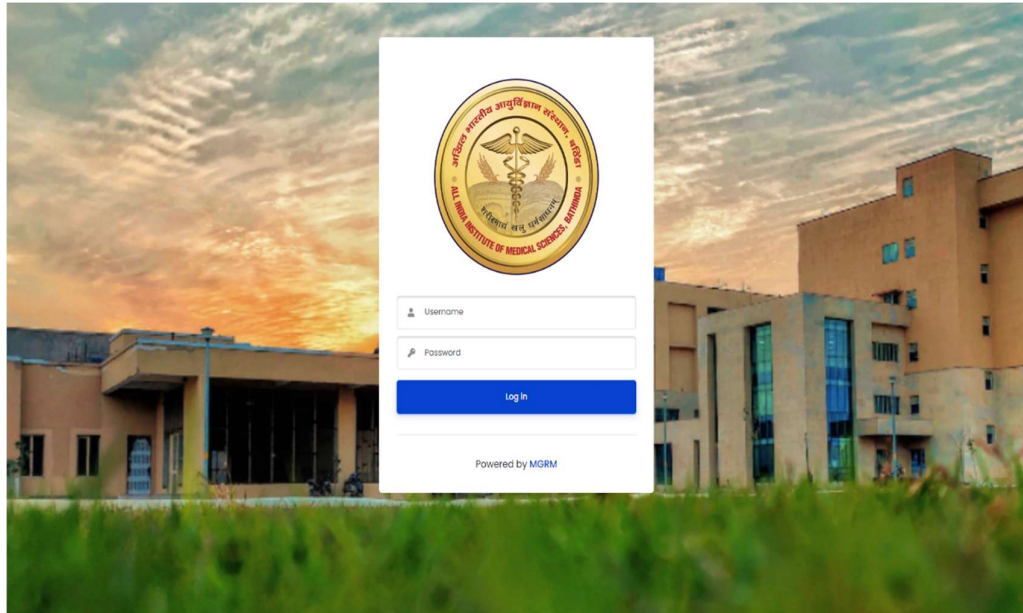


Google Workspace: - In addition to the website & QMS, IT cell has been providing mail services through G Suite (Google Workspace). The extension of this service has enabled the use of Google Classrooms as a basic LMS service for the departments in the campus. File sharing and recording of lecture is available in this platform. Various apps are available through workspace such as Gmail, Google calendar, Meet, Assignments, Forms and sheets etc.

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.



- 3) **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.



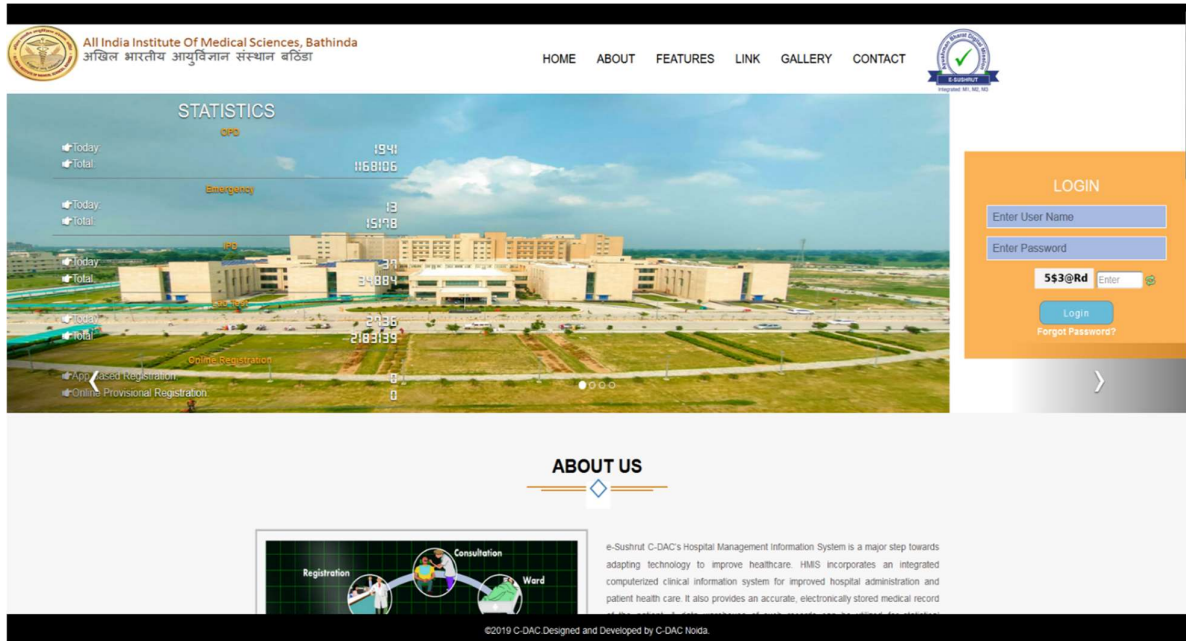
- 4) **Hospital Management Information System (HMIS):** - HMIS called eSushrut has started functioning from day-one of beginning of the OPD services and is a major step towards adapting technology to improve healthcare. This HMIS incorporates an integrated computerized clinical information system for 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:

- (a) Patient Registration
- (b) Emergency Registration
- (c) Patient Enquiry
- (d) OPD with Order Management
- (e) IPD Management System
- (f) ADT (Bed Management)
- (g) Investigation for Labs
- (h) EMR
- (i) Pharmacy and Inventory Management
- (j) Alert Management
- (k) User Management
- (l) Online Appointment-Registration System
- (m) Mobile Apps- Provisional Registration
- (n) Investigation report Viewing
- (o) Integration with PSS and PHRMS Equipment Interfacing



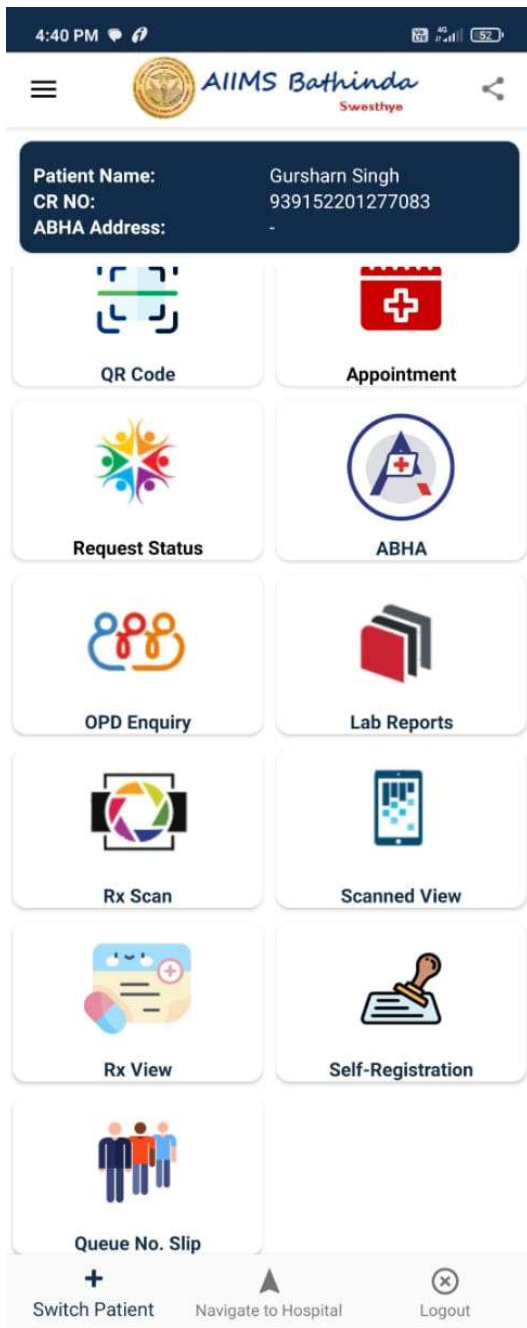
Modules which are under implementation: -

- (a) OT and Anaesthesia
- (b) MRD
- (c) CSSD

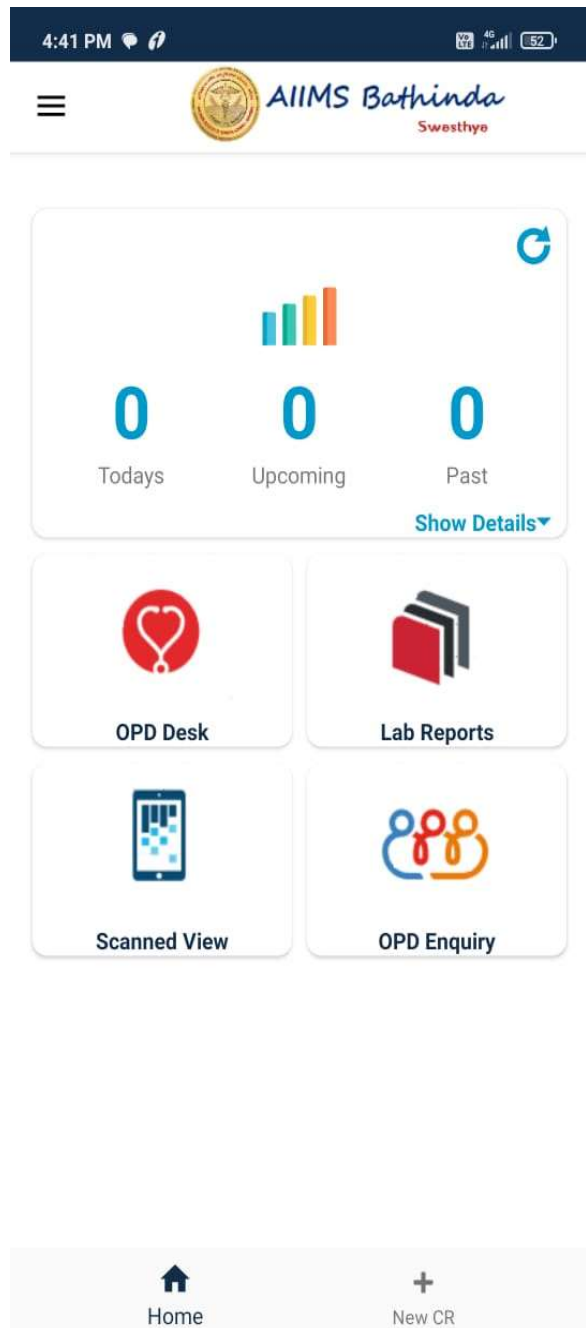


5) **Mobile Applications:** The mobile applications are currently live, enabling patients to access various services related to the HMIS, including lab reports and online appointments.

Android	Feature details -31/03/2023
Last release date	10 March 2023
Appointment	OPD Appointment for special and general Clinics
Request Status	Request status of appointments taken
OPD Enquiry	Roster of the various departments with building, room and days
LAB Enquiry	Lab test tariff enquiry
Tariff Enquiry	Hospital tariff enquiry
Lab Reports	View / Download Lab Reports
Rx View	User can view its RX in pdf format
Self-Registration	Self Registration for OPD through scanning the QR code
Queue No slip	Queue number after self-registration
OPD Desk	Doctor can create the eRx
Lab Reports	View /download patients Lab reports by entering the number
OPD Enquiry	Roaster of the various departments with Building Room and days



Patient Login



Doctor Login

- 6) **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.

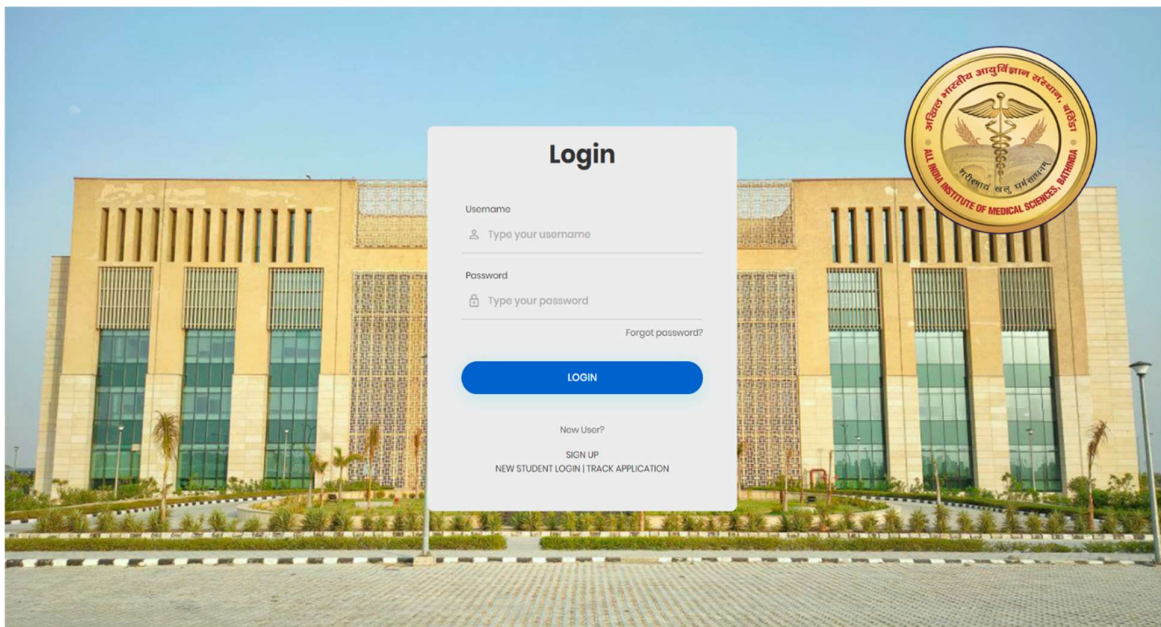
7) **Modules:**

(i) **Student Management**

1. Application configuration & Setup
2. Student Information
3. Result
4. Attendance
5. Examination
6. Time Table
7. Library
8. Transport
9. Hostel Management

(ii) **Administration**

10. Employee Management
11. Inventory & Procurement
12. Fee & Fine
13. Payroll
14. Financial Management & Book Keeping
15. System Administration
16. MIS Module
17. SMS Module Administration



- (iii) **eOffice:** The eOffice product/solution is a G2E/G2G developed by National Informatics Centre (NIC) to provide a one stop access point for conducting office procedures electronically which is expected to transform the government functioning to a more efficient mode. eOffice has two modules eOffice Lite (eFile) and eOffice Sparrow. eOffice Lite is for efile digitalization and movement of files

and eOffice Sparrow is for APAR digitalization OIC IT is appointed as a Nodal officer and IT Cell is coordinating with the NIC to implement eOffice in AIIMS Bathinda.

- (iv) **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 a portrait of Prime Minister Narendra Modi and the text 'Digital India AatmaNirbhar India'. The main heading is 'eSanjeevani National Telemedicine Service: Providing Risk-free, Contactless & Safe healthcare services'. Below this, it lists several premier institutions offering services through eSanjeevani: AIIMS Bathinda, AIIMS Bibinagar, AIIMS, Rishikesh, AIIMS Kalyani, and Lady Hardinge Medical College and Hospital. It also states that eSanjeevani services are now available free of cost through 3.75 lakh Common Service Centres across the country. The advertisement includes a photo of a woman using a laptop and the '6 Years of Digital India' logo.

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

6 Years of Digital India

- (v) **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.



- (vi) 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.

- 8) **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.
- 9) **Firewall & Network Devices:** The IT Cell is responsible for the management and oversight of critical network devices, including firewalls, ISRs, PRIME, and WLC, as well as essential systems like CCTV, Nurse Call, and IDS. IT Cell ensures the seamless operation of network services by handling configuration and policy-based tasks.
- 10) **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.
- 11) **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.



- 12) 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 EndPoint, 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.
- 13) Telemedicine Room:** - A telemedicine room has been set up in the ground floor of IPD by the IT Cell and all the equipments 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.
- 14) Social Media:** - Social Media Social 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. IT Cell is maintaining the various platforms of social media of AIIMS Bathinda to enable better outreach with people.
- 15) Facebook (FB) & Twitter:-** Official FB page (<https://www.facebook.com/AIIMSbathinda>), Twitter (<https://www.twitter.com/AIIMSbathinda>), Instagram (<https://www.instagram.com/AIIMSbathinda>) of AIIMS Bathinda regularly posts on these platforms, related to patient care, events, important days, Lectures etc.
- 16) 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. IT Cell is managing all the social media platforms of AIIMS Bathinda.
- 17) 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.
- 18) 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.

MEDIA CELL

The Media Cell at AIIMS Bathinda has been instrumental in effectively disseminating institute-related information to local, national, and international media, ensuring continuous communication for the benefit of the general public. Additionally, Media Cell is:

- a) Distributing the press release in English, Hindi, and various regional languages.
- b) Coordinating photography and videography for special events.
- c) Providing assistance to visiting guests, delegations, and dignitaries.
- d) Archiving all material and photographs in digital format for record-keeping.

RTI CELL

- ❖ **Established:**
 - RTI Cell was set up at AIIMS Bathinda in the year 2020.
- ❖ **Faculty/Staff deputed in the RTI Cell: -**
 - a) RTI Cell was set up with the approval of Director, AIIMS Bathinda and Nodal Officer, AIIMS Bathinda which consists of the following members: -

Lt. Col. Rajeev Sen Roy (w.e.f. 06 June 2023)	First Appellate Authority
Dr. Rattan Singh	CPIO
Er. Rakesh Singla	APIO

- ❖ **Preparation of RTI SoPs: -**
 - a) A meeting of RTI Cell was held in the month of July, 2020 in which the SoPs and other rules/formats of RTI Cell were prepared and sent to the Director, AIIMS Bathinda for approval.
 - b) The SoPs were duly approved by the Director and were implemented accordingly by the RTI Cell.

- ❖ **RTI Cell Record (1st April 2022 to 31st Mar, 2023):**

Particulars	Number
No. of RTI Applications received	103
No. of RTI Applications replied	103
No of RTI Reply Pending	Nil

HORTICULTURE CELL

Plantation of about 10,000 plants throughout the campus with a variety of plants, and trees through mega plantation drives on various days celebrated in the institute.

Shri Hardeep Singh Puri, Hon'ble Union Minister, Petroleum & Natural Gas and Housing & Urban Affairs Govt. of India visited AIIMS Bathinda on 09 Jul 2022 for plantation in presence of Prof. (Dr.) Dinesh Kumar Singh, Executive Director AIIMS Bathinda.



Shri Hardeep Singh Puri, Hon'ble Union Minister, Petroleum & Natural Gas and Housing & Urban Affairs Govt. of India visits AIIMS Bathinda

EXAMINATION CELL

1. Established:

- Examination Cell was set up temporarily in the OPD Building, AIIMS Bathinda in the year 2020.
- Examination Cell Shifted in Ground floor, Medical College AIIMS Bathinda in the year 2021.
- One Examination Hall with the seating capacity of 100 students

2. Faculty/Staff deputed in the Examination Cell: -

The faculty/staff of Examination Cell consists of the following members: -

- Prof. (Dr.) Akhilesh Pathak – Associate Dean (Examination)
- Er. Rakesh Singla – Assistant Controller of Examination

3. Preparation of MBBS Examination SoPs: -

- SoPs of Examination are passed in first standing Academic Committee in 2022.
- Rules of Examination are finalized for conduction the 2nd Professional Examination M.B.B.S Batch-2019
- Finalized the format of Internal Examination Sheets and Printing of Answer sheets.
- Various updating for the Format of Answer Booklets for MBBS Professional Examination was finalized by the Examination Committee and was approved by the Director, AIIMS Bathinda.

4. First Professional & Supplementary Professional MBBS Examination Batch- 2020:

- First Professional MBBS Examination Batch -2020 was held in the month of Oct-Nov, 2021 in AIIMS Bathinda.
- Result of First Professional MBBS Batch-2020 Examination was announced in the month of Nov, 2021.
- First Professional Supplementary MBBS Examination Batch -2020 was held in the month of Jan, 2022 in AIIMS Bathinda.
- Result of First Professional supplementary MBBS Examination Batch-2020 was announced in the month of Feb, 2022.

5. Second Professional & Supplementary MBBS Examination Batch- 2019:

- Second Professional MBBS Examination Batch -2019 was conducted in the month of Nov-Dec, 2021 in AIIMS Bathinda.
- Result of Second Professional MBBS Batch -2019 Examination was announced in the month of Jan, 2022.
- Second Professional Supplementary MBBS Examination Batch -2019 was held in the month of Feb, 2022 in AIIMS Bathinda.
- Result of Second Professional Supplementary MBBS Examination Batch - 2019 was announced in the month of March, 2022.



एम्स बठिंडा द्वारा आयोजित परीक्षा की झलकी



HOSPITAL INFECTION CONTROL COMMITTEE

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.

S. No.	Name	Designation	Department	Role
1.	Dr. Rajiv Kumar	Medical Supdt.	MS Office	Chairman
2.	Dr Lajya Devi Goyal	Professor & Head	Obstetrics & Gynaecology	Member
3.	Dr Gitanjali	Professor & Head	Biochemistry	Member
4.	Dr Mayank Gupta	Associate Professor & Head	Anaesthesiology	Member
5.	Dr Varun Aggarwal	Associate Professor & Head	Neurosurgery	Member
6.	Dr. Navdeep Singh Dhaot	Associate Professor & Head	Paediatrics Surgery	Member
7.	Dr Sapna Marcus Bhatti	Associate Professor & Head	Radiation Oncology	Member
8.	Dr Preeti Singh Dhoat	Associate Professor & Head	General Medicine	Member
9.	Dr Moonis Mirza	Assistant Professor	Hospital Administration	Member
10	Dr. Sivanatham K	Assistant Professor	Microbiology	OIC Infection Control
11	Dr Kamla Kant	Associate Professor	Microbiology	Member Secretary
12	Dr. Monika Shanna	Associate Professor	College of Nursing	Nursing Superintendent/ Incharge
13	S. R. KAINI	Nursing Officer	Microbiology	Infection Control Nursing Representative



IMPORTANT ACTIVITIES UNDER HICC

The following training and educational activities are conducted by the infection control team along with routine infection control auditing such as hand hygiene auditing, bio-medical waste management activities, hospital cleaning, needle stick injury awareness and follow-up and hospital water quality.

DAY	YEAR	ACTIVITIES BY INFECTION CONTROL TEAM
1 st May to 5 th May	2022	<ol style="list-style-type: none"> 1. Hand Hygiene Week 2. All health care workers were trained on steps of hand hygiene using hand rub and handwash with emphasis on the moments of hand hygiene
12 th August	2022	CME on Infection Control and Hand Hygiene conducted by Dept of Medicine, Microbiology, Pharmacology & HICC, AIIMS Bathinda
19 th September to 04 th October	2022	All sanitary attenders (SA) were trained in different sessions especially focused on Bio-Medical Waste Management
21 st September	2022	<ol style="list-style-type: none"> 1. Hospital Infection Control Meeting conducted and discussed on various issues 2. OT disinfection policy was drafted by OT committee was reviewed. 3. The OT disinfection policy was approved by HICC. 4. The Hospital Infection Control manual of AIIMS Bhubaneswar was adopted till further institute specific manual prepared and approved.
27 th October 2022 to 9 th February 2023	2022-23	All infection control team underwent capacity building training from the BMGF / PGIMER project titled "IPC Capacity Building- Orientation Training for COVID-19 Preparedness and IPC for Healthcare Facilities"
3 rd November	2022	IPC capacity building to IPC team on Epidemiology of Healthcare associated infections.
17 th November	2022	IPC capacity building to IPC team on Hand Hygiene.
24 th November	2022	IPC capacity building to IPC team on Personal Protective Equipments.
1 st December	2022	IPC capacity building to IPC team on Prevention of infections related to central venous catheters.
15 th December	2022	IPC capacity building to IPC team on Prevention of VAP and Catheter Associated UTI.
22 nd December	2022	IPC capacity building to IPC team on Prevention of Environmental Cleaning - Sterilization and Disinfection.
5 th January	2023	IPC capacity building to IPC team on Infection Control in Operation Rooms.
12 th January	2023	IPC capacity building to IPC team on Biomedical waste management and needlestick injury: An interactive session
2 nd February	2023	IPC capacity building to IPC team on Central Sterile Supply Dept (CSSD).
9 th February	2023	IPC capacity building to IPC team on Prevention of CAUTI.

PICTURES OF ACTIVITIES





VIGILANCE CELL

Chief Vigilance Officer

Dr. Priti Chaudhary

Member Secretary

Dr. Sapna Marcus Bhatti

Committee members

Dr. Jitender Aneja
 Dr. Anjali Singal
 Dr. Apurba Patra
 Dr. Madhur Verma
 Dr. Saket Sinha
 Dr. Soumya Swaroop Sahoo

AIIMS Bathinda celebrated the vigilance awareness week between **31st Oct 2022 – 6th November, 2022.**

The observance of the Vigilance Awareness Week commenced with the Integrity Pledge that was presided over by the executive director and CEO, Dr. D. K. Singh, who also formally inaugurated the week along with Dean, the faculty members and students of the institute. Worthy Director sir encouraged all doctors, nurses and medical students to collectively participate in the prevention of, and the fight against corruption and to raise public awareness regarding the existence, causes and gravity of and the threat posed by corruption. He also said that the institute has a zero-tolerance policy for any kind of corruption.

Dr. Priti Chaudhary, the chief vigilance officer of the institute said that various activities like awareness lectures among the students and community about the ill-effects of corruption, theme based rangoli, debates, skit, slogan and poster making competitions have been planned in the campus over this week, keeping in mind the theme “Corruption free India for a developed nation”. Dr Sapna Marcus Bhatti, Dr Jitendra Aneja, Dr Anjali Singal, Dr Apurba Patra, Dr Madhur Verma, Dr Saket Sinha, Dr Soumya Sahoo spreaded the awareness regarding anti-corruption in the form of several events in all locations in the Medical college, Hospital, Schools and community and events issued from time to time by the competent authority.



PATRON

 Prof. (Dr.) D. K. Singh
 Director and CEO, AIIMS, Bathinda

GO-PATRONS

 Prof. (Dr.) Satish Gupta
 Dean & Medical Superintendent

ORGANISING CHAIRPERSON
 Dr. Priti Chaudhary
 Chief Vigilance Officer

ORGANISING SECRETARY
 Dr. Sapna Marcus Bhatti

ORGANISING COMMITTEE MEMBERS
 Dr. Jitender Aneja
 Dr. Anjali Singal
 Dr. Apurba Patra
 Dr. Madhur Verma
 Dr. Saket Sinha
 Dr. Soumya Swaroop Sahoo

ALL INDIA INSTITUTE OF MEDICAL SCIENCES (AIIMS), BATHINDA
 celebrating
VIGILANCE AWARENESS WEEK
 From 31st October to 6th November 2022
 with the theme of
भ्रष्टाचार मुक्त भारत - विकसित भारत
 (Corruption free India for a Developed Nation)

EVENTS ON VIGILANCE AWARENESS WEEK

DATE	ACTIVITY	INCHARGE
Day 1	E-PLEDGE FACULTY	DR MADHUR
Day 2	PHYSICAL PLEDGE FOR FACULTY, STAFF & STUDENTS	DR PRITI CHAUDHARY
Day 3	POSTER COMPETITION	DR APURBA
Day 4	PLEDGE FOR NONFACULTY STAFF	DR SAKET, DR SOUMYA
Day 5	QUIZ COMPETITION	DR SAPNA, DR ANJALI
Day 6	AWARENESS LECTURE	DR JATINDER & DR APURBA
Day 7	SKIT COMPETITION	DR SAKET
1 Week of November	COMMUNITY AWARENESS	DR MADHUR & DR SOUMYA

निडर घटे... विम्टाचार ठुं दुर ववे...


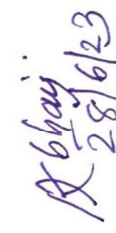





FINANCE DIVISION



BALANCE SHEET FOR THE FY. 2022-23

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
BALANCE SHEET AS AT 31.03.2023			
Particulars	Schedule	Current Year	Previous Year
(Amount in Rs.)			
Corpus/Capital Fund and Liabilities			
Corpus/Capital Fund	1	7,278,576,145.51	7,242,564,603.09
Reserve & Surplus	2	1.00	1.00
Earmarked/Endowment/Corpus Fund	3	149,411,332.60	303,494,472.34
Secured Loans & Borrowings	4	-	-
Unsecured Loans & Borrowings	5	-	-
Deferred Credit Liabilities	6	-	-
Current Liabilities & Provisions	7	199,704,290.11	218,960,743.07
TOTAL		7,627,691,769.22	7,765,019,819.50
ASSETS			
Fixed Assets - Net Block	8	6,921,361,871.48	7,288,873,698.74
Investment - From Earmarked/Endowment Fund	9	-	-
Investment -Others	10	-	-
Current Assets, Loans, Advances etc.	11	706,329,897.74	476,146,120.76
Miscellaneous Expenditure- Incidental			
TOTAL		7,627,691,769.22	7,765,019,819.50
Significant Accounting Policies	24		
Contingent Liabilities & Notes on Accounts	25	68,979,579.00	
Place : BATHINDA Date : 28.06.23			
 (Leena Kumari) Accounts Officer			
 (Kumar Abhay, IAAS) Financial Advisor			
 (Prof. Dr. D.K. Singh) Executive Director			



RECEIPT & PAYMENT FOR THE FY. 2022-23

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
RECEIPT & PAYMENT FOR THE YEAR 01-04-22 TO 31-03-2023				
	Current Year 31.03.2023	Previous Year 31.03.2022	PAYMENTS	Amount in Rs. Previous Year 31.03.2022
RECEIPTS				
I. Opening Balance - Institute			I. Expenses	
a) Cash in Hand	7,930.00	1,265.00	Establishment Expenses	953,611,196.40
b) Bank balances :			Salary & Wages	39,246,223.00
SBI Account-74890	1,418,846.00	98,323,928.56	Allowance & Bonus (Transfer TA / LTC)	417,882.00
Canara Bank Escrow Account	6,404,551.00	262,600,984.00	Expenses on Employees Retirement and Terminal	7,979.60
Imprest to staff	431,200.00	1,396,884.72	Misc payments	
SBI Bank -94104 CLTD	35,000,000.00	1,629,742.00	Administrative Expenses	
SBI GAP-94375	91,619.00	-	Electricity & Power Bill	116,365,891.00
SBI HR-94104	1,121.00	-	Chemical & Hospital consumables Exp	56,834,809.00
SBI-AIIMS BATHINDA 61873	321,640.00	-	Telephone & Internet exp	1,189,904.00
SBI Bank -61873 CLTD	453,962.00	-	Printing & Stationery	16,443,961.00
GAP Imprest	9,600,000.00	-	Ayushman Scheme related exp	276,250.00
SBI Main 74890 A/c-CLTD	90,000.00	-	Auditors remuneration	1,762,086.00
SBI Gem pool Account	378,920,208.40	24,115,263.00	Statutory Registration Expenses	2,215,110.00
	25,059,001.00		Chemical & Hospital consumables Exp - ECRP	1,734,566.00
			Laundry & CSSD	33,290.40
			Postage	46,635.00
II. Grants received			Advertisement & Publicity Exp	1,251,901.00
Grant-in-Aid (For salary)	963,677,350.00	890,000,000.00	Travelling Expenditure	121,736,290.00
Grant-in-Aid (For General)	289,999,999.70	100,000,000.00	Outsource Manpower	1,914,147.00
Grant-in-Aid (For Creation of capital assets)	100,000,000.00	150,000,000.00	General Consumable Store	2,121,883.00
Grant-in-Aid For ECRP (General)	-	14,500,000.00	Local Transport/Vehicle/Ambulance Expenses	640,650.00
Grant-in-Aid For ECRP (Salary)	-	4,400,000.00	Honorarium	119,819.00
Grant-in-Aid (For SAP)	-	20,000,000.00	Water Charge	418,900.00
Grant-in-Aid (HEFA Principal)	-	2,913,550,006.65	Department Contingency	462,257.00
Grant-in-Aid (HEFA Interest)	-	273,571,706.00	Biomedical waste	3,235,478.00
Grant-in-Aid (For Institute Projects)	38,754,051.00	11,280,954.00	Travelling Allowance Conference	102,749.00
Received fund for scholarship to Students		15,000.00	Nitrya Jyoti Exp	12,448,039.00
			Website/ Computer & Software maintenance	1,019,534.00
III. Interest received			Expenses on Seminar/Workshops/Training	39,033,360.00
Interest Received from Term Deposit - Canara Bank	61,282.00	5,752,148.00	Repair and Maintenance Engineering	271,529.50
Interest Received from Term Deposit - Sbi bank 74890	15,151,711.00	5,011,265.45	Hospitality Expenses	1,503,113.00
Interest Received from Term Deposit - Sbi bank 94104	1,803,365.00		GIA SAP-Gen	
Interest Received from Term Deposit - Sbi bank 61873	428,434.00		External Project Payments	
Interest Received from Saving Bank - 77772	16,519.00	22,742.00	Project related expenditure	8,730,878.00
			GIA Donation expenditure	1,552,143.00
IV. Other Income				
Admission Fees	3,147,039.00	1,121,823.00		
Student fee security	302,000.00			
Registration Fee & Lab Test Charges	84,066,614.00	32,552,525.00		
Guest House Rent	503,700.00	335,200.00	Expenditure on HEFA Loan	
Recruitment Application Fees	391,510.00	1,289,504.00	HEFA Principal	
Surety Bond Recovery	7,205,000.00	2,000,000.00	HEFA Interest	
				3,176,050,006.65
				273,020,287.00



INCOME & EXPENDITURE FOR THE FY. 2022-23

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2023			
Particulars	Schedule	Current Year	Previous Year (Amount in Rs.)
INCOME			
Income from Sales/Services	12	158,589,389.00	32,552,525.00
Grant/Subsidies	13	2,077,048,664.39	995,366,973.28
Fees/Subscriptions	14	4,417,265.00	2,680,687.00
Income from Investments (Income on Invest. From earmarked/endow. Funds transferred to Funds)	15	-	-
Income from Royalty, Publications	16	-	-
Interest Earned	17	-	8,167,829.74
Other Income	18	9,048,124.47	3,072,852.90
Increases/Decrease of Finished Goods & WIP	19	-	-
TOTAL (A)		2,249,103,442.86	1,041,840,867.92
EXPENDITURE			
Establishment Expenses	20	988,560,320.40	730,589,110.00
Other Administrative Expenses	21	421,609,308.14	161,317,895.92
Expenditure on Grants, Subsidies etc.	22	-	-
Interest	23	-	-
Depreciation (Net total at the year end corresponding to Sch.-8)		735,201,629.95	149,933,862.00
TOTAL (B)	(A-B)	2,145,371,258.49	1,041,840,867.92
Balance being excess of Income over Expenditure			
Transfer to Special Reserve (Specify each)		0.00	0.00
Transfer to/ from General Reserve			
BALANCE BEING SURPLUS / (DEFICIT)			
CARRIED TO CORPUS/CAPITAL FUND	24	103,732,184.37	-
Significant Accounting Policies	25	68,979,579.00	
Contingent Liabilities & Notes on Accounts			
Place : BATHINDA			
Date : 08.06.23			
(Leena Kumari) Accounts Officer	(Kumar Abhay, IAAS) Financial Advisor	(Prof. Dr. D.K. Singh) Executive Director	



**SCHEDULE FORMING PART OF BALANCE SHEET FOR THE FY.
2022-23**

PARTICULARS		Current Year		Previous Year	
		(Rs.)	(Rs.)	(Rs.)	(Rs.)
ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023					
(Amount in Rs.)					
SCHEDULE- 2 (RESERVE & SURPLUS)					
1. CAPITAL RESERVE					
As per last Account					
Add : Additions during the year (Nominal Value of Land)		1.00		1.00	
Less : Deductions during the year		-	1.00	-	1.00
Balance As At The Year End			1.00		1.00
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)			1.00		1.00



RECEIPTS		Current Year 31.03.2023	Previous Year 31.03.2022	PAYMENTS		Current Year 31.03.2023	Previous Year 31.03.2022
Tender Fees		94,400.00	147,386.00	TDS 192B,194C, GST-TDS and others			59,491,719.00
Misc. Income - RTI		1,242.00	440.00	Expenditure on Fixed Assets			
EMD & Other Security Deposits		2,871,412.00	2,934,993.00	Hospital Equipment	125,519,486.00		35,968,692.00
License Fee		649,539.00	349,082.00	Furniture & Fixtures	3,672,104.00		97,466.00
Rental Income		1,064,779.00	240,744.90	Office Equipment	99,936.00		610,128.00
GAP Overhead Income			269,360.00	Computer Peripherals	21,723,204.00		9,441,053.00
Ayushman Fund Received		73,932,533.00		Library books	51,931,497.00		
				GIA SAP-Cap	5,656,038.00		7,921,000.00
V. Other Receipts				Other Payments			
Nitrya Jyoti Fund Received		104,000.00		NSDL	13,672,972.00		
Fund received towards poor patient		30,000.00	346.53	Scholarship to Students	15,000.00		
Reversal of Bank charges			66,773.00	Supplier payments made	287,194.00		
Electricity and water charges received from Staff and other		2,183,315.00	59,461,796.00	Suppliers (BSNL, NIC, Railtel, Punjab Health etc)	13,322,560.00		303,805.00
TDS 192B,194C, GST-TDS and others		2,737,613.00		PPCB			5,640,000.00
Recovery From OM Sec.		350,000.00					
TDS refunded by IT		3,420.00					
Supplier payments received back		97,736.00					
Praveen Bansal			3,000.00	Refund of Surplus money:			
Municipal Corporation			2,806.00	HEFA Interest refunded back to Ministry	6,465,833.00		
				Closing Balance Institute			
				SBI Bank -94104 CLTD	195,876,618.00		35,000,000.00
				SBI Bank -94104	942,544.00		321,640.00
				Cash in Hand			7,930.00
				SBI Bank -61873	342,312.00		453,962.00
				SBI Bank -61873 CLTD	42,965,644.00		9,600,000.00
				SBI Bank -94375			1,121.00
				Canara Bank Escrow A/c			6,404,551.00
				Imprest to staff	164,717.00		431,200.00
				GAP imprest	29,353.00		90,000.00
				SBI Gem Pool A/c	7,316,598.00		25,059,001.00
				SBI Main 74890 A/c	4,808.10		378,920,208.40
				SBI Main 74890 A/c - CLTD	167,982,377.70		1,418,846.00
				Savings Accounts - 77772	94,118.00		91,619.00
TOTAL		2,047,428,642.10	4,876,947,668.81		2,047,428,642.10		4,876,947,668.81

Place: Bathinda
Date: 28.05.23

Leena Kumari
(Leena Kumari)
Accounts Officer

Kumar Abhay
(Kumar Abhay, IAAS)
Financial Advisor

Prof. Dr. D.K. Singh
(Prof. Dr. D.K. Singh)
Executive Director



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022		(Amount in Rs.)	
PARTICULARS	Current Year		Previous Year		(Rs.)
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
SCHEDULE-1A CORPUS FUND -					
Balance as at the beginning of the Year	-	-	-	-	-
Add Contribution towards Corpus/Capital fund	103,732,184.37	-	-	-	-
Add HEFA Assets depreciation	-519,500.00	-	-	-	-
Less Prior period transactions	-	103,212,684.37	-	-	-
Add/(Deduct): Balance of net income/(expenditure) transferred	-	-	-	-	-
	58,072,972.00	11,528,819.00	55,522,579.00	58,072,972.00	
	228,237,266.00	-	-	-	-
	-43,577,289.00	242,732,949.00	-8,978,426.00	-	-
SCHEDULE-1B CAPITAL ASSETS FUND					
Balance as at the beginning of the Year	6,136,550,747.02	3,271,492,863.59	3,176,050,006.65	425,369,727.00	
Add Contribution towards Capital Assets fund	-	-	-	273,020,287.00	
Add Contribution towards previous year capitalisation	435,000,000.00	-	-	-	
Less: Dep. transferred from the Income and Expenditure Account	5,183,307.00	-	-	-	
	-5,475,702,068.53	1,101,031,985.49	-1,009,382,137.22	-	
SCHEDULE-1C CAPITAL ASSETS W.I.P. FUND -					
Balance as at the beginning of the Year	-	-	-	-	-
Add Capital Exp through CCA	-	-	-	-	-
Add HEFA Repayment by MOHFW	-	-	-	-	-
Add Payment to HITES by MOHFW	-	-	-	-	-
Add HEFA Interest payment by MOHFW	-	-	-	-	-
Add Interest eraned by HITES during 22-23	5,183,307.00	-	-	-	
Less Assets Capitalised during the year	-5,475,702,068.53	1,101,031,985.49	-1,009,382,137.22	-	
	1,047,940,884.07	308,749,872.85	1,009,382,137.22	1,047,940,884.07	
	5,475,702,068.53	-	-	-	-
	-420,085.00	-	-	-	-
	-691,624,340.95	5,831,598,526.65	-140,955,436.00	-	
SCHEDULE-1D CAPITAL ASSETS HITES					
Balance as at the beginning of the Year	-	-	-	-	-
Add: Contribution towards Capital Assets fund	-	-	-	-	-
Less: Dep. transferred from previous years	-	-	-	-	-
Less: Dep. transferred from the Income and Expenditure Account	-	-	-	-	-
Less: Deletion during the year	-	-	-	-	-
Balance	7,278,576,145.51	7,242,564,603.09	7,242,564,603.09	7,242,564,603.09	



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 3 EARMARKED/ENDOWMENT/CORPUS FUND				
I. Grant-in-Aid For Salary				
	18,450,090.00		-140,960,800.00	
a) Opening balance of the funds	963,677,350.00		890,000,000.00	
b) Additions to the Funds:	39,315,105.00			
d) reversal of provision retirement benefit provision 21-22	-988,560,320.40			
Less: Establishment Expenses during the year (Sch. 20)		32,882,224.60	-730,589,110.00	18,450,090.00
II. Grant-in-Aid For General				
	58,679,551.34		69,360,896.62	
a) Opening balance of the funds	289,999,999.70		100,000,000.00	
b) Additions to the Funds:			46,473,894.64	
c) Internal Receipt: (12,14,17,18)	-348,679,551.04		-157,155,239.92	58,679,551.34
Less: Grant charged to I&E				
III. Grant-in-Aid For Capital Creation				
	171,457,777.00		67,534,356.00	
a) Opening balance of the funds	100,000,000.00		150,000,000.00	
b) Additions to the Funds:	-222,581,228.00	48,876,549.00	-46,076,579.00	171,457,777.00
Less: Capital expenditure during the year (Sch. 8)				
IV. Grant-in-Aid For SAP				
	20,885,450.00		8,806,450.00	
a) Opening balance of the funds	-		20,000,000.00	
b) Additions to the Funds:	-5,656,038.00		-7,921,000.00	
Less: Expenditure during the year - Capital	-1,503,113.00	13,726,299.00		20,885,450.00
Less: Expenditure during the year - General				
V. Grant-in-Aid For HEFA Loan (Principal)				
	-		-	
a) Opening balance of the funds	-		2,913,550,006.65	
b) Additions to the Funds:	-		-2,913,550,006.65	
Less: Expenditure during the year				
VI. Grant-in-Aid For HEFA Loan (Interest)				
	7,208,942.00		-	
a) Opening balance of the funds			273,571,706.00	
b) Additions to the Funds:	61,282.00		6,657,523.00	
c) Interest earned	-		-273,020,287.00	7,208,942.00
Less: Expenditure during the year	-6,465,833.00	804,391.00		
Less: Refunded back to MoHFW				
VII. Grant-in-Aid For ECRP (General)				
	10,337,344.00		-	
a) Opening balance of the funds	-		14,500,000.00	
b) Additions to the Funds:	-3,104,050.00	7,233,294.00	-4,162,656.00	10,337,344.00
Less: Expenditure during the year				
VIII. Grant-in-Aid For ECRP (Salary)				
	4,400,000.00		-	
a) Opening balance of the funds	-		4,400,000.00	
b) Additions to the Funds:	-	4,400,000.00	-	4,400,000.00
Less: Expenditure during the year				
IX. Grant-in-Aid For Institute Projects				
	11,997,719.00		3,357,788.00	
a) Opening balance of the funds	38,922,127.00		11,398,506.00	
b) Additions to the Funds:	-9,525,431.00	41,394,415.00	-2,758,575.00	11,997,719.00
Less: Expenditure during the year				
X. Grant-in-Aid From Donations				
	77,599.00		1,629,742.00	
a) Opening balance of the funds	16,561.00		-	
b) Additions to the Funds: Interest incl prev year	-	94,160.00	-1,552,143.00	77,599.00
Less: Expenditure During the year				
Total (I to X)		149,411,332.60		303,494,472.34



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023			
PARTICULARS	Current Year		Previous Year
	(Rs.)	(Rs.)	(Rs.)
(Amount in 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		-	-



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023				
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	28,563,224.00		290,000.00	
b) Others (EMD/Security)	6,556,405.00		3,684,993.00	
c) MIS receipt		35,119,629.00		3,974,993.00
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				
6. Other current liabilities				
a) NSDL Payable	2,965,562.00	2,965,562.00	227,949.00	227,949.00
b) Current Liability	21,814.00		13,694,786.00	
c) Expenditure over advance - HITES	2,879,021.38		512,169.60	
d) Student fee Security	821,500.00		46,411,556.47	
e) Interest payable to MoHFW	19,350,937.03	23,073,272.41		60,618,512.07
Total (A)		61,158,463.41		64,821,454.07
B. Provisions				
1. For Taxation				
2. Gratuity				
3. Superannuation/Pension				
4. Accumulated Leave Encashment				
5. Trade Warranties/Claim				
6. Salary & other expenditure Payable				
Total (B)		199,704,290.11		218,960,743.07
Total (A+B)				



**ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023**

Description	Gross Block				Depreciation			Net Block				
	Cost/valuation as at beginning of the year	Additions during the year		Deletion during the year	Cost/valuation at the Year-end	%	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	1.00
2.Library Books		51,931,497.00			51,931,497.00	40.00		10,386,299.00		10,386,299.00	41,545,198.00	33,817,305.00
3.Hospital Equipments	36,958,753.00	37,992,720.00	91,827,310.00		168,778,783.00	15.00	3,141,448.00	17,658,552.00		20,800,000.00	145,978,783.00	8,827,246.00
4.Furniture & fixtures	9,808,051.00	3,663,704.00	8,400.00		13,480,155.00	10.00	990,805.00	1,249,515.00		2,230,320.00	11,249,835.00	8,029,100.00
5.Vehicles	9,446,000.00		673,238.00		10,119,238.00	15.00	1,416,900.00	1,254,858.00		2,671,758.00	7,447,480.00	660,049.00
6.Office Equipment	733,174.00	99,936.00			833,110.00	15.00	73,125.00	113,998.00		187,123.00	645,987.00	6,739,272.00
7.Computer Peripherals	10,105,420.00	9,051,333.00	17,943,411.00		37,100,164.00	40.00	3,366,148.00	9,904,924.00		13,271,072.00	23,829,092.00	12,036,574.00
8.Hospital Equipments (Life Saving)		15,045,717.00			15,045,717.00	40.00		3,009,143.00		3,009,143.00	12,036,574.00	58,072,973.00
TOTAL OF CURRENT YEAR	67,051,399.00	50,807,693.00	177,429,573.00		295,288,665.00		8,978,426.00	43,577,289.00		52,555,715.00	242,732,950.00	685,840,439.00
B. Fixed Assets (HITES)												
Building (HITES)*	891,280,622.00	4,954,806,718.00			5,846,087,340.00	10.00	205,440,183.00	559,259,652.00		764,699,835.00	5,081,387,505.00	1,227,709.88
Computer Peripherals	2,024,888.88				2,024,888.88	40.00	797,159.00	491,084.00		1,288,243.00	736,625.88	1,231,889.49
Hospital Equipments (Life Saving) 19-20	2,031,762.49				2,031,762.49	40.00	799,873.00	492,756.00		1,292,629.00	739,133.49	8,650,741.00
Hospital Equipments (Life Saving)	14,417,902.00	139,17889.6	23,821,906.00		52,157,697.60	40.00	5,767,161.00	13,791,833.00		19,558,994.00	32,598,703.60	350,990,104.71
Hospital Equipments General	408,376,854.71	383,557,944.41	99,597,610.52		891,532,409.64	15.00	57,386,750.00	118,009,100.95		175,395,850.95	716,136,558.69	1,047,940,884.07
TOTAL OF CURRENT YEAR	1,318,132,010.07	5,352,262,552.01	123,419,516.52		6,793,834,076.60		270,191,126.00	692,044,425.95		962,235,551.95	5,831,598,526.65	6,182,859,841.67
CAPITAL WORK-IN-PROGRESS	6,182,859,841.67	139,872,621.69		5,475,702,068.53	847,030,394.83						847,030,394.83	7,298,873,698.74
Total	7,568,043,250.74	5,542,962,866.70	300,849,089.52	5,475,702,068.53	7,936,153,139.43		279,169,552.00	735,621,714.95		1,014,791,266.95	6,921,361,871.48	7,298,873,698.74



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA	
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023	
PARTICULARS	Current Year (Rs.)
	Previous Year (Rs.)
SCHEDULE - 9	
(Investments from Earmarked/Endowment Funds)	
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	-
SCHEDULE - 10	
(Investments Others)	
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	-



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023				
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				
b) Loose Tools				
c) Stock-in-trade				
Finished Goods				
Work-in-progress				
Raw Materials	9,276,758.00		9,276,758.00	7,817,601.54
2. Sundry Debtors:				
a) Sundry Debtors/Receivable				
b) Grant Receivable from PGIMER-Capital				
c) Interest Receivable from PGIMER(HEFA)-Interest				
3. Cash balances in hand (including cheques/drafts)	178,278.00		178,278.00	178,278.00
4. Bank Balances:				
a) With Scheduled Banks:				
-On Current Accounts				
Canara Bank Grant Receivable A/c				
SBI Current A/c	4,808.10			1,418,846.00
Canara Bank Escrow A/c				6,404,551.00
SBI Gem Pool A/c	7,316,598.00			25,059,001.00
-On Deposit Accounts (includes margin money)				
SBI Current A/c	167,982,377.70			378,920,208.40
SBI HR - 94104	195,876,618.00			35,000,000.00
SBI GAP - 61873	42,965,644.00			9,600,000.00
-On Savings Accounts				
SBI GAP-94375				1,121.00
SBI HR-94104	942,544.00			321,640.00
SBI-AIIMS BATHINDA 61873	342,312.00			453,962.00
SBI-7772	94,118.00			91,619.00
5. Cash In Hand			415,525,019.80	457,270,948.40
Total (A)			424,980,055.80	465,274,757.94



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA			
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023			
PARTICULARS	Current Year		Previous Year
	(Rs.)	(Rs.)	(Rs.)
SCHEDULE - 11			
(CURRENT ASSETS, LOANS, ADVANCES ETC.)			
B. Loans Advances and Other Assets			
1. Loan			
a) Imprest to staff	164,717.00		431,200.00
b) Other Entities engaged in activities/ objectives similar to that of the Entity		194,070.00	
c) Other projects	29,353.00		90,000.00
2. Advance and other amounts recoverable in cash or in kind or for value to be received			
a) On Capital Account -HITES Limited Const	253,874,825.00		
b) HEFA Interest to be capitalised			
a) On Capital Account -HITES Limited-Equip	19,266,365.00	273,141,190.00	5,943,805.00
c) Others			
3. Income Accrued:			
a) On Investments from Earmarked/Endowment Funds	914,047.78		
b) On Investments-CLTD Interest	5,596,389.03		3,200,528.00
c) On Loans and Advances			
d) Others - Rental	33,384.00	6,543,820.81	3,200,528.00
(includes income due unrealized-Rs.....)			
4. TCS	198,543.13		102,461.82
5. GAP TDS	285,628.00		117,552.00
6. TDS on CLTD Interest	985,816.00		985,816.00
7. GST TDS	774.00	1,470,761.13	1,205,829.82
Total (B)		281,349,841.94	10,871,362.82
Total (A+B)		706,329,897.74	476,146,120.76



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2023 (Amount in Rs.)		
PARTICULARS	Current Year (Rs.)	Previous Year (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	84,171,614.00	32,552,525.00
a) Registration Fees & Lab Test Charges		
b) Professional/Consultancy Service		
c) Agency Commission and Brokerage		
d) Maintenance Services (Equipment/Property)	74,417,775.00	
e) Others		
Total	158,589,389.00	32,552,525.00
SCHEDULE - 13 (Grants/Subsidies) (Irrecoverable Grants & Subsidies Received)		
1. Central Government -		
a) Grant-in Aid (For Salary)	988,560,320.40	730,589,110.00
b) Grant-in Aid (For General)	348,679,551.04	110,681,345.28
c) Grant-in Aid (For Dep)	735,201,629.95	149,933,862.00
d) Grant-in Aid (For SAP)	1,503,113.00	
e) Grant-in Aid (For ECRP Gen)	3,104,050.00	4,162,656.00
2. State Government		
3. Government Agencies PGIMER Chandigarh		
4. Institutions/Welfare Bodie		
5. International Organisations		
6. Others (Specify)		
Total	2,077,048,664.39	995,366,973.28
SCHEDULE - 14 (Fees/Subscriptions)		
1. Guest House Fees	503,700.00	1,121,823.00
2. Admission Fees	3,147,039.00	1,289,504.00
3. Recruitment Application Fees	391,510.00	269,360.00
4. Consultancy Fees/ Project Overhead	375,016.00	
5. Others (Specify)		
Total	4,417,265.00	2,680,687.00



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA						
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2023						
(Amount in Rs.)						
PARTICULARS	Investment from Earmark Fund		Investment- Others		Current Year (Rs.)	Previous Year (Rs.)
	Current Year (Rs.)	Previous Year (Rs.)	Current Year (Rs.)	Previous Year (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	-	-	-	-	-	-



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2023				
(Amount in Rs.)				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 17				
(Interest Earned)				
1. On Term Deposit				
a) With Schedule Bank				
i) Interest Received	-		4,944,559.74	
ii) Interest Accrued	-		3,200,528.00	
b) With Non-Scheduled Banks				
c) With Institutions				
d) Others		-		8,145,087.74
2. On Savings Bank Account				
a) With Schedule Bank			22,742.00	
b) With Non-Scheduled Banks				
c) With Institutions				
d) Others		-		22,742.00
3. On Loans				
a) Employees/Staff				
b) Others		-		-
4. Interest on Debtors and Other Receivables				
		-		-
Total				8,167,829.74
SCHEDULE- 18				
(Other Income)				
a) Surety Bond Recovery	7,205,000.00		2,000,000.00	
b) Tender Fees	94,400.00		147,386.00	
c) Guest House Rent	-		335,200.00	
d) Licence Fee	649,539.00		349,082.00	
e) Miscellaneous Income	248.47		440.00	
f) Rental Income	1,098,937.00	9,048,124.47	240,744.90	3,072,852.90
Total		9,048,124.47		3,072,852.90



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2023					
PARTICULARS	Current Year		Previous Year		(Amount in Rs.)
	(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	962,138,627.40		670,116,924.00		
b. Allowance & Bonus	26,000,338.00		20,739,199.00		
c. Staff Welfare Expenses					
d. Expenses on Employees Retirement and Terminal Benefits	421,355.00		39,732,987.00		
e. Others					
Total			988,560,320.40		730,589,110.00
			988,560,320.40		730,589,110.00



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2023 (Amount in Rs.)		
PARTICULARS	Current Year	Previous Year (Rs.)
SCHEDULE - 21		
A) Administrative Expenses etc.		
Hospital Consumable, Ayushman Electricity & Power Bill	25,271,642.00 113,896,537.00	63,545,803.00
Telephone & Internet exp	1,189,904.00	708,300.00
Printing & Stationery	5,509,464.25	3,362,638.47
Guest House Exp	55,707,703.29	23,389,179.98
Chemical & Hospital consumables Exp		-346.53
Bank Charges	11,467,406.00	5,072,664.00
Website/ Computer & Software maintenance	4,015,259.00	959,849.00
Consumables Store	1,908,281.00	238,257.00
Laundry & CSSD	37,910.10	28,456.00
Postage	46,635.00	139,301.00
Advertisements & Publicity exp	504,948.00	1,252,475.00
Travelling Expenditure	134,430,199.00	34,786,491.00
Outsource Manpower	764,201.00	
TRAVELLING ALLOWANCE TOUR (EXTERNAL)	2,513,531.00	1,374,069.00
Local Transport/Vehicle/Ambulance Expenses	640,650.00	278,425.00
Honorarium	123,695.00	198,381.00
Water Charge	383,641.00	213,909.00
Department Contingency	540,145.00	442,304.00
Biomedical waste expenses	276,250.00	
Auditors Remuneration	3,235,478.00	
Travelling Allowance Conference	1,009,870.00	223,601.00
Expenses on Seminar/Workshops/Training	55,999,594.00	24,609,166.00
Repair and Maintenance Engineering	271,529.50	354,845.00
Hospitality Expenses	1,762,086.00	140,128.00
Statutory Registration Expenses	102,749.00	
Rashtriya Netra Jyoti Abhiyan - Exp.		
TOTAL	421,609,308.14	161,317,895.92



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2023 (Amount in Rs.)		
PARTICULARS	Current Year (Rs.)	Previous Year (Rs.)
SCHEDULE- 22		
(Expenditure on Grants, Subsidies etc.)		
a. Grants given to Institute / Organisation	0	0.00
b. Subsidies given to Institute / Organisation	0	0.00
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 aegis of Ministry of Health and Family Welfare under PMSSY Division. A Gazette Notification was issued on 04th Dec 2019 for establishment of the All India Institute of Medical Sciences at Bathinda in Punjab. The Government of Punjab transferred land measuring 175 acres to the Central Government in Nov, 2016 for 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.

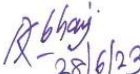
4. Depreciation

- 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. However assets related to the previous financial years, which requires to be capitalized in current financial year are taken into consideration with the accumulated depreciation in current year.

Place: Bathinda

Date: 28.06.23


(Leena Kumari)
Accounts Officer


(Kumar Abhay, IAAS)
Financial Advisor


(Prof. Dr. D K Singh)
Executive Director



CONTINGENT LIABILITIES & NOTES ON ACCOUNTS

SCHEDULE - 25

1. Contingent Liabilities

The Institute has no contingent liabilities towards claims, bank guarantees, letter of credit, bill discount disputed demand etc.

2. Grant-in-Aid

Government Grants are accounted on realization basis. During the financial year 2022-23, Institute has received a total Grant-in-Aid of Rs. 135.37 Cr. from Ministry of Health and Family Welfare, PMSSY Division. Out of the total grant Rs.96.37 Cr. received under GIA-Salary, Rs.29.00 Cr. under GIA- General, Rs.10.00 Cr. under GIA-Capital. (Refer Schedule 3).

(In Cr.)

GiA Head	F.Y. 2019-20	F.Y.2020-21	F.Y.2021-22	F.Y.2022-23
Salary	04.81	17.50	89.00	96.37
General	01.00	13.00	10.00	29.00
Capital	01.00	07.00	15.00	10.00
ECRP (GEN)	-	-	01.45	-
ECRP (SALARY)	-	-	00.44	-
SAP	-	01.00	02.00	-
Total	06.81	38.50	117.89	135.37

3. Investment & Deposits

The fund available in current account is kept in Corporate Liquid Term Deposit (CLTD) mode.

4. Interest Accrued but not due

The interest accrued but not due comes to Rs. 65,10,436.81 as on 31.03.2023 (Refer Sch 11.B).

5. Taxation

In view of no taxable income under Income tax act 1961, no provision for income tax has been considered necessary.

6. Expenditure Payable (Provision)

A provision for expenses payable to the tune of Rs.13,85,45,826.70 has been made as on 31.03.2023 (Refer Schedule 7(B), this includes salary & other expenses.

7. Current Assets, Loans And Advances

Current assets, loan and advances has been stated in the balance sheet on actual transaction basis.

8. Contributory Provident Fund Account (New Pension Scheme)

As per OM No. 1(13)/EV/2001 dated 13th Nov 2003, Institute is covered under New pension Scheme (NPS). Accordingly, Institute is regularly depositing the employer and employee contribution with NSDL.

9. 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 the previous (21-22) financial year.

10. Retirement and Other employee`s Benefits

The provision for leave encashment and gratuity has been mentioned in contingent liabilities as on 31.03.2023.

11. Capital Fund (Donation etc)

During the financial year 2022-23, no donation received.

12. Foreign Currency Transactions

During the year Institute has not entered into any foreign currency transaction.

**13. Fixed Assets**

The Assets for establishment of AIIMS Bathinda Project funded by MoHFW & HEFA have been considered for capitalization only as per records made available.

Buildings were handed over in 2019 and 2022, provision till 31.03.2022 for an amount of Rs 4,20,085.00 has been charged from corpus fund.

14. The Government of Punjab has allotted 175 acres and the same has been shown in Fixed Assets (Schedule-8) at nominal value of Rs. 1.00 while creating Capital Reserve Fund (Schedule-2(1)).

15. An amount of Rs 11,28,000/- related to current financial year towards water and air license advance given to Punjab pollution control board (for 5 years) in FY 21-22, has been charged to Income and Exp A/c .

16. An expenditure of Rs 1,25,71,433 forms part of previous financial year 21-22.

17. Schedule 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2023 and the Income and Expenditure Account for the year ended on that date.

18. Financial Statement and schedules has been compiled as per Uniform Format of Accounts for Central Autonomous Bodies and other AIIMS like Institutes.

19. Security refundable (Student) related to the prior period till 31.03.2022 has been adjusted from Corpus and shown as liability (sec 7).

20. As Treasury Single Account has been implemented in the institute from FY 2022-23 therefore recurring grant (Gen) and provisions of the Institute has been charged to Income and Expenditure Account.

Place: Bathinda

Date: 28.06.23

(Leena Kumari)
Accounts Officer

(Kumar Abhay, IAAS)
Financial Advisor

(Prof. Dr. D K Singh)
Executive Director



SEPARATE AUDIT REPORT FOR THE FY. 2022-23



भारतीय लेखापरीक्षा तथा लेखा विभाग
कार्यालय महानिदेशक लेखापरीक्षा (केन्द्रीय), चण्डीगढ़
Indian Audit & Accounts Department
Office of The Director General of Audit (Central),
Chandigarh



सं/No: डी.जी.ए. (सी) के व्यय SAR/ 2022-23/AIIMS Bathinda/2023-24/939 दि०/Dated: 25-09-23

सेवा में,

सचिव,
Ministry of Health & Family Welfare,
Government of India,
Nirman Bhawan,
New Delhi - 110001

विषय: All India Institute of Medical Sciences, Bathinda (Panjab) के वर्ष 2022-23 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन

महोदय,

कृपया All India Institute of Medical Sciences, Bathinda (Panjab) के वर्ष 2022-23 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।

भवदीय,

संलग्न: उपरोक्त अनुसार

- दृष्टा -
महानिदेशक

उपरोक्त की प्रतिलिपी वर्ष 2022-23 की पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित आवश्यक कार्यवाही हेतु Director, All India Institute of Medical Sciences, Bathinda, Dabwali Road, Bathinda, Punjab- 151001 को प्रेषित की जाती है।

भवदीय,

उप- निदेशक (केन्द्रीय व्यय)



iii) In our opinion, proper books of accounts and other relevant records have been maintained by the All India Institute of Medical Sciences, Bathinda (Panjab) in so far as it appears from our examination of such books.

iv) We further report that: -

A. Balance Sheet

**A.1 Corpus /Capital Fund and Liabilities
Current Liabilities & Provisions (Schedule 7)
Current Liabilities: ₹ 611.58 lakh**

As per Rule 230 (8) of General Financial Rules (GFR) 2017, “All interest or other earnings against Grant in Aid or advance (other than reimbursement) released to any Grantee Institution should mandatory be remitted to the Consolidated Fund of India immediately after finalization of the accounts. Such advances should not be allowed to be adjusted against future releases”

It was pointed out in the previous year’s Separate Audit Report for the year 2021-22 (comment No. A.1.1) that interest of ₹ 81.45 lakh earned on grant funds was incorrectly depicted as income instead of liability under Current Liabilities & Provisions. The Institute has still to remit this amount of interest to the Consolidated Fund of India. However, the same was not shown as liability in the annual accounts for the year 2022-23 despite being pointed out in the previous year. This has resulted in understatement of Current Liabilities and overstatement of Corpus/ Capital Fund by ₹ 81.45 lakh.

A.2 Assets

A.2.1 Fixed Assets (Schedule 8)

A.2.1.1 Plant & Machinery- NIL

The Institute has adopted the written down value (WDV) method of depreciation as per the rates specified under Income tax Act 1961. As per Income tax Act, depreciation rates for 'Plant & Machinery' and 'Buildings' are 15 percent per annum and 10 per annum respectively.

The Institute has included plant and machinery amounting to ₹ 51.61 crore under the head “Building” which has resulted in overstatement of Buildings by ₹ 46.45 crore (after depreciation at the rate of 10 percent per annum), understatement of Plant & Machinery by ₹ 43.87 crore, overstatement of Buildings by Rs. 46.45 crore and understatement depreciation by ₹ 2.58 crore.

**A.2.1.2 Buildings: ₹ 508.14 crore**

Above included residential buildings of ₹ 46.76 crore. The Institute charged depreciation on these residential building at the rate of 10 percent annum (WDV method). However as per Income tax Act, applicable depreciation rate for residential buildings is 5 percent per annum. This has resulted in overstatement of depreciation and understatement of Buildings by ₹ 2.34 crore.

A.2.2 Current Assets, Loan & Advances (Schedule 11)

Advances and other amount recoverable in cash or kind or for value to be received

On Capital Account-HITES Ltd Const.: ₹ 25.39 crore

Ministry of Health & Family Welfare is releasing funds directly to HLL Infra Tech Services Limited (HITES) for construction works and supply of equipment's to the Institute.

(i) The Institute has shown advance pending for construction works amounting to ₹ 25.39 crore by including interest earned of ₹ 0.52 crore as advances to HITES as well as its income. As per Rule 230 (8) of General Financial Rules 2017, interest earned on Government grant funds is reimbursable to the Consolidated Funds of India. As such, interest earned by HITES amounting to ₹ 0.52 crore is reimbursable to the Consolidated Fund of India. This has resulted in overstatement of income and understatement of liabilities by ₹ 0.52 crore.

(ii) Further, the above balance of advances amounting to ₹ 24.87 crore was also booked as addition to Corpus/ Capital Funds. However, as these funds of ₹ 24.87 crore have not utilized till 31.03.2023, these should have been shown under Earmarked/ Endowment Funds instead of Corpus/ Capital Funds. This has resulted in overstatement of Corpus/ Capital Fund and understatement of Earmarked/ Endowment Funds by ₹ 24.87 crore.

(iii) Moreover, the Institute has not booked advance released directly by the Ministry to HITES amounting to ₹ 48.49 crore for supplying of equipment (s) to the Institute. This has resulted in understatement of Advances as well as Earmarked/ Endowment Funds by ₹ 48.49 crore.

B. Net impact of Audit comments on the Annual Accounts

Net impact of Audit comments on the annual accounts of the Institute for the year ending 31 March 2023 is as under:



- i. Assets understated by ₹48.25 crore;
- ii. Liabilities understated by ₹ 74.69 crore;
- iii. Corpus/Capital Fund overstated by ₹26.44 crore. Besides, the surplus is overstated by ₹0.76 crore.

C. General

C.1 The Institute has received 50 no. of oxygen gas cylinder fee of cost from Ministry of Health & Family Welfare on 09.12.22 having a value of ₹44.83 lakh. However, the same were not booked in Fixed Assets. The same are required to be shown in books of accounts.

C.2 Ministry of Health & Family Welfare is releasing funds directly to HITES for construction works and supply of equipment's to the Institute. As per HITES statement, up to 31.03.2023, total amount of capital work in Progress was ₹ 44.76 crore (43.98¹ + 0.78² for supply of equipment (s) and construction works respectively). However, the Institute has booked the same at ₹ 84.70 crore. Reasons for the difference amount of 39.94 crore booked under Capital Work in Progress are to be reconciled by the Institute.

C.3 Accounting policies regarding accounting treatment of HEFA Loan & assets acquired through it, advances released to HITES by the Ministry of Health & Family Welfare on behalf of the Institute & assets acquired from HITES and policy regarding capitalisation of these assets were not declared through Significant Accounting Policies (Schedule 24).

C.4 Under the AYUSHMAN Bharat Scheme, the govt. has fixed the limit of package in monetary terms. The Institute provides the treatment to Ayushman card holders free of cost by purchasing medicines & consumables at its own level which are reimbursed by the State Health Authority. Sometimes hospitals make excess expenditure over & above the package and sometime surplus lies with the Institute on the packages. The hospital has not disclosed the accounting treatment of such excess expenditure or surpluses in significant accounting policies. Further accounting treatment of payment to supplier for medicines/consumables as well reimbursement of payment was not disclosed.

¹ Total expenditure by HITES, ₹ 138.75 crore – ₹94.75 crore capitalization done by the Institute

² Total expenditure by HITES, ₹ 585.39 crore – ₹584.61 crore capitalization done by the Institute



C.5 As per expenditure statement (Construction work) of HITES, an expenditure (Addition) of ₹ 13.99 crore was incurred during the year 2022-23. However, workwise details of expenditure of ₹ 13.99 crore were not furnished.

C.6 As per Accounting Standard 15, provision for retirement benefits (gratuity, leave encashment etc.) should be made on actuarial valuation basis in the annual accounts.

As per the note at Sr. no. 10, the provision for leave encashment and gratuity has been mentioned in contingent liabilities as on 31.03.2023. However, no such provision has been depicted in contingent liabilities in the note at Sr. no.1. Thus, note at Sr. no. 10 contrary to the note at Sr. No. 1. Further the position regarding implementation of payment of gratuity act with reference to ministry of Education circular issued vide F.No. 19-1/2017-1 FD dated 27.01.2022 has not been disclosed in Notes to Accounts.

D. Grant-in-Aid

As per Schedule 3 ,out of total available funds of ₹165.05 crore including the unutilized balance of the previous year of ₹29.67³ crore and Grant-in-Aid received during the year ₹ 135.38 crore; the Institute utilized ₹ 154.26 crore leaving an unutilized balance of ₹ 10.79⁴ crore at the end the year. However, the negative balance of ₹ 14.10 crore (as pointed out in SAR 20-21) have been adjusted under the head 'Grant in Aid Salary'. If such negative balance was not adjusted against this year's grant, then the balance of grant in aid should have been ₹ 24.89 crore.

E. Management letter

Deficiencies which have not been included in the Audit report have been brought to the notice of the Institute's management through a management letter issued separately for remedial/corrective action.

v) Subject to our observations in the preceding paragraphs, we report that the Balance Sheet, Income and Expenditure Account and Receipts and Payments Account dealt with by this report are in agreement with the books of accounts.

³Balance as per previous SAR was ₹43.78 crore, difference of ₹ 0.01 crore was due to rounding off the figures.

⁴ 10.79= Nil (OH-31) + 4.89 (OH-35) + 3.29 (OH-36) + 0.08 (HEFA Loan Interest repayment) + 1.37 (SAP) + 0.72 (ECRP-General) + 0.44 (ECRP-Salary).



vi) In our opinion and to the best of our information and according to the explanations given to us, the said financial statements read together with the Accounting Policies and Notes on Accounts, and other significant matters stated above and other matters mentioned in Annexure to this Audit Report give a true and fair view in conformity with accounting principles generally accepted in India:

- a. In so far as it relates to the Balance Sheet, of the state of affairs of the All India Institute of Medical Sciences, Bathinda (Panjab) as at 31 March 2023; and
- b. In so far as it relates to Income & Expenditure Account, of the surplus for the year ended on that date.

For and on behalf of the C & AG of India

A handwritten signature in black ink, appearing to be 'S. P. Singh', with a date '25/9/23' written below it.

Director General of Audit (Central), Chandigarh

Place: Chandigarh

Date: 25.09.23



Annexure to Separate Audit Report

1. Adequacy of Internal Audit System

Internal audit system is not in existence in the Institute. However, Internal Audit of the Institute was conducted by Ministry of Health & Family Welfare up to 31.03.2023.

2. Adequacy of Internal Control system

(i) The Institute has neither shown assets acquired from sponsored projects nor the status regarding ownership of assets has been disclosed in Notes to Accounts in contravention to guidelines prescribed in uniform format of account by Ministry of Finance.

(ii) No meeting of Institute Body (IB) the Governing Body of the Institute was conducted during 2022-23

3. System of Physical verification of Fixed Assets

Physical verification of Fixed Assets was conducted for the period 2022-23. However, no independent committee was constituted for conducting the physical verification. The concerned department, to whom stock/assets pertains, has itself verified its own Assets.

4. System of Physical verification of Inventory

Physical verification inventory was conducted for the period 2022-23. However, no independent committee was constituted for conducting the physical verification. The concerned department, to whom stock/assets pertains, has itself conducted the verification.

5. Regularity in Payment of statutory dues

No irregularity was found in payment of statutory dues.



Dy. Director (CE)



Annexure to the management letter

ART A: Persistent Irregularities being included in the Separate Audit Reports

As compliance of these observations included in the previous year Separate Audit Reports/ Management Letter (s), was not made, following observations have been repeated in the current year Separate Audit Report for the year 2022-23 (kindly refer to Separate Audit Report): -

1. Non-remittance of interest earned on grant funds
(Comment at Sl.No. A.1 of Separate Audit Report for the year 2022-23)
(Comment at Sl.No. A.1.1 of Separate Audit Report for the year 2021-22)
2. Non-obtaining of specific approval of Government/ Ministry for regularization of excess expenditure incurred under the head Grant-in-Aid (Salary) amounting to ₹ 14.10 crore
(Comment at Sl.No. D.2 of Separate Audit Report for the year 2022-23)
(Comment no. C.3. (i) of Separate Audit Report for the year 2021-22);
(Comment no. C (ii) of Separate Audit Report for the year 2020-21)
3. Non-furnishing of details of work-wise expenditure incurred by HITES
(Comment no. C.4 of Separate Audit Report for the year 2022-23);
(Comment no. B.2.1 of Management Letter for the year 2021-22)

PART B: Other Irregularities noticed during the audit of accounts of the Institute for the year 2021-22 which have not been included in the Separate Audit Report

- B.1 Balance Sheet**
 - Assets**
 - B.1.1 Fixed Assets (Schedule 8)**
 - Tube wells & Water Supply Systems- NIL**

As per the uniform format prescribed for Autonomous Bodies by Ministry of Finance (page 34), Tube wells and water supply system may be shown as a distinct category.



संजीव गोयल, आई.ए.ए.एस.
SANJEEV GOYAL, IAAS



महानिदेशक लेखापरीक्षा (केन्द्रीय), चण्डीगढ़
DIRECTOR GENERAL OF AUDIT
(CENTRAL), CHANDIGARH

डी.पी.ए. (सी) / के.के.एस. / SARA
No. 2022-23 / AIIMS Bathinda
Date 2023-24 / 940
25-09-2023.

Dear Mr. D.K. Singh Sir

The audit of annual accounts of your Institute for the year ended 31 March 2023 was conducted and audit comments in respect of the same have been reported through the Separate Audit Report. In this regard, it is to bring to your kind attention that corrective action, to certain persistent irregularities which are repeatedly included in the Separate Audit Reports/ Management Letters (as briefed in the Part A of the annexure enclosed), has not been taken by the management of the Institute, which needs your immediate intervention. Besides, there are certain other deficiencies noticed which have not been included in the Separate Audit Report but, nevertheless, are significant (as detailed in the Part B of the annexure), are also being brought to your attention for remedial /corrective action.

You are requested to issue instructions for taking corrective measures in this regard.

With regards,

Yours sincerely,

25/11/23

Prof. D K Singh
Director
All India Institute of Medical Sciences, Bathinda
Punjab



Above does not include water supply system & Borewells of ₹ 2.63 crore which has been wrongly booked under head “Buildings”. This has resulted in overstatement of Buildings and Understatement of Tube wells & Water Supply by ₹ 2.63 crore.

B.1.2 Current Assets, Loan & Advances (Schedule 11)
Advances and other amount recoverable in cash or kind or for value to be received
Others: ₹19.27 crore

Above did not include ₹ 14.33 lakh which is recoverable under AYUSHMAN BHARAT Scheme from State Health Authority (SHA) on account of expenses of medicines as on 31.03.23. This is further payable to M/sAmrit Pharmacy who had supplied these medicines. The amount was rejected by SHA at the first instance due to wanting of documents. This has resulted in understatement of Current Liabilities & Provisions as well as Current Assets, Loan and Advances by ₹14.33 lakh.

B.2 General

As per the handing over/taking over Note of HITES, out of building amounting to ₹ 584.61 crore, the building of ₹ 86.81 crore were handed over on 23, December, 2019 and balance building were handed over in between the period 28 October 2020 to 31 march 2022.

However, an office order 16.02.2023 was issued by the Institute to shift the date of taking over of buildings as per the details given below:

Value of Assets	Actual Date of handing over by HITES	Date shifted/considered for handing over/ taking over as per office order of hospital (dated 16.02.23)
₹ 86.91 crore	Assets handed over on 23 rd December 2019	23 rd December 2019
497.70 crore	Rest of Assets (20.10.22 to 31.03.22)	30 th April 2022

The Institute has neither disclosed this fact in Notes to Accounts nor depicted the reason for the same. Thus, Notes to Accounts are deficient to that extent.

Dy. Director (CE)



AIIMS BATHINDA