

ALL INDIA INSTITUTE OF MEDICAL SCIENCES BATHINDA

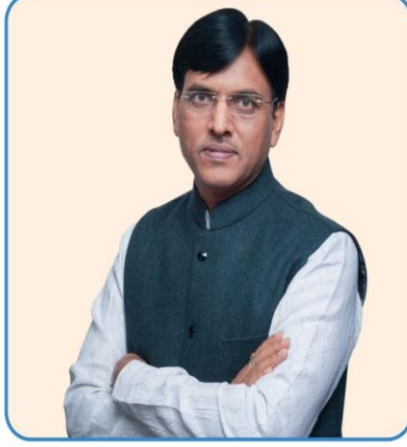
ਅਖਿਲ ਭਾਰਤੀ ਆਯੁਰਵਿਗਿਆਨ ਸੰਸਥਾਨ ਬਠਿੰਡਾ

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3rd Annual Report
April 2021- March 2022

**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

Dr. Bharati Pravin Pawar

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 2021-22

Mandi Dabwali Road, Bathinda
Phone: 0164-2867481 (Administration)
Email: adminoffice@aiimsbathinda.in
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From the Desk of Executive Director

Dr. Dinesh Kumar Singh

Thank you 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 the completion of the project and patient care. AIIMS Bathinda has started the IPD services, because of the shortage of Senior & Junior residents we are unable to run all the beds in patient care. However, we are trying to do our maximum absorbed that the faculty and other staff will keep working hard so that the patient care should not be suffered.



We are trying to get the posts sanctioned from the MoH&FW and this year will try to start the super speciality courses in few departments where the faculty strength is good. This will not only create the better patient care but also create teaching facility in the super speciality departments.

I would request all the Faculty Members, Residents, Nursing other Staff members to keep working hard so that the aims and objective of the institute be achieved.

Edited jointly by:

Dr. Rakesh Kakkar, Professor and HoD, Department of CFM

Dr. Monika Sharma, 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

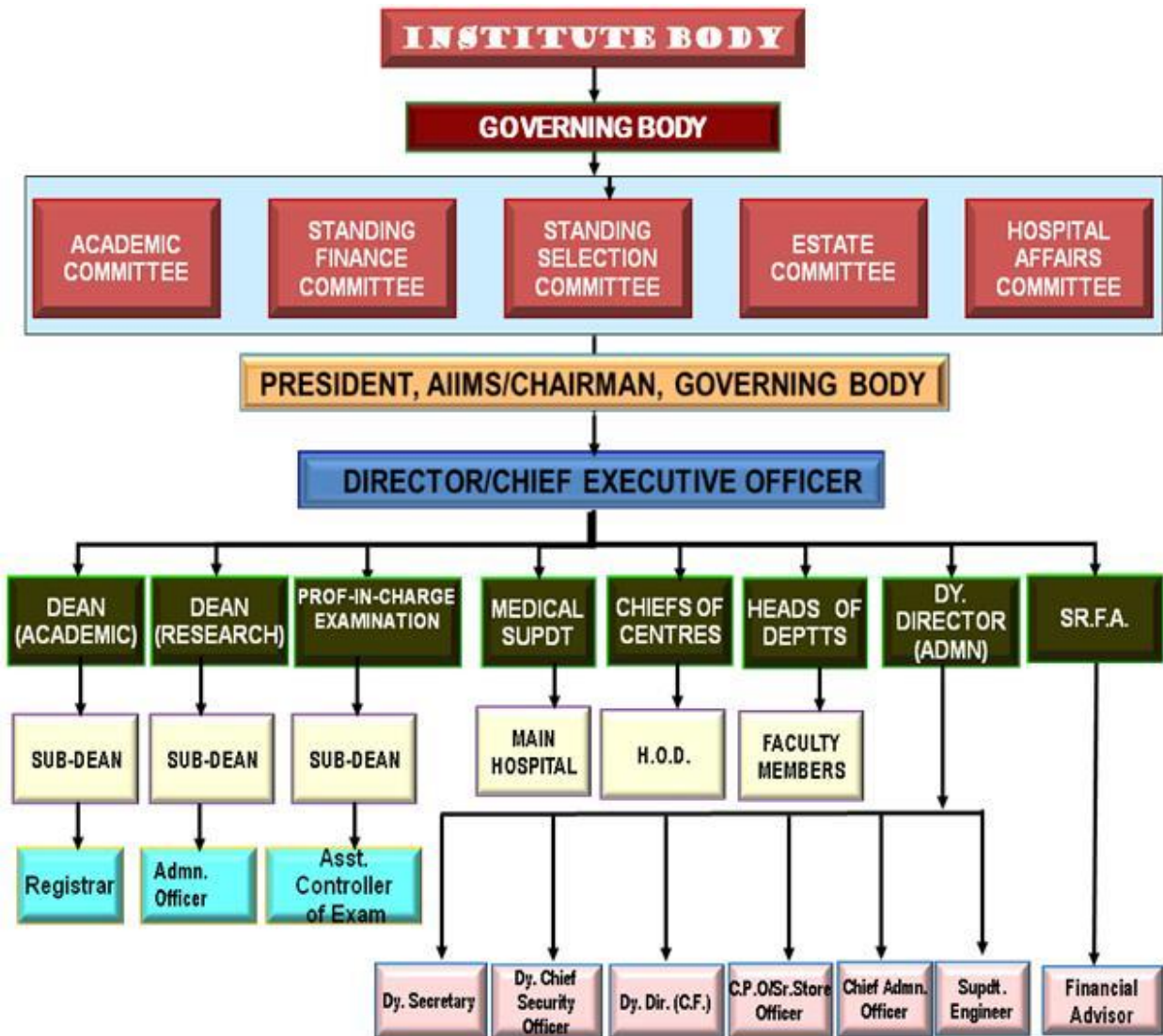
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Organisation of AIIMS Bathinda





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:**

- 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;
- Create an excellent academic and educational environment for providing a platform for development of quality medical services, teaching and research.
- 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 Frame Work 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.	Dr. S.C. Sharma, Former Head Otolaryngology and Head & Neck Surgery, AIIMS Delhi.	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.) Sunil Kumar, Director General of Health Services, Govt. of India	Member
8.	Sh. Ashish Shrivastava IAS, Additional Secretary & Financial Advisor, Ministry of Health & Family Welfare, Govt. of India	Member
9.	Prof. Ajay Kumar Sharma, 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.	Prof. Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical College	Member
13.	Dr. Kamlesh Upadhyay, Professor and in-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	Member
14.	Dr. Ashok Panagariya, Professor Emeritus, Sawai Man Singh Medical College, Jaipur, Rajasthan	Member
15.	Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab	Member
16.	Dr. Yogendra Malik, Associate Professor, Bhagat Phool Singh Govt. Medical College, Sonapat, Haryana	Member
17.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary



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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. S.C. Sharma, Former Head Otolaryngology and Head & Neck Surgery, AIIMS Delhi												
2.	Secretary, Ministry of Health & Family Welfare, Gol	Shri. Rajesh Bhushan, IAS, Secretary, MoHFW, Gol												
3.	Chief Secretary, Government of Punjab	Chief Secretary, Government of Punjab (Ex. Officio)												
4.	Director General of Health Services (Ex-Officio)	Prof. (Dr) Sunil Kumar, Director General of Health Services, Govt. of India												
5.	Representative of the Ministry of Finance (Ex-Officio)	Sh. Ashish Srivastava IAS, Additional Secretary & Financial Advisor, MoHFW, Gol												
6.	Six Members of the Institute Body	<table border="1"> <tbody> <tr> <td>(i)</td> <td>Shri Shwait Malik, Member of Parliament, Rajya Sabha</td> </tr> <tr> <td>(ii)</td> <td>Prof. Rajeev Ahuja, Director, IIT Ropar</td> </tr> <tr> <td>(iii)</td> <td>Prof. K.S. Rangappa, General President, Indian Science Congress Association, Kolkata</td> </tr> <tr> <td>(iv)</td> <td>Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab</td> </tr> <tr> <td>(v)</td> <td>Dr. Kamlesh Upadhyay, Professor and In-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat</td> </tr> <tr> <td>(vi)</td> <td>Prof. (Dr.) Dinesh Kumar Singh Executive Director, AIIMS Bathinda</td> </tr> </tbody> </table>	(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. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab	(v)	Dr. Kamlesh Upadhyay, Professor and In-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	(vi)	Prof. (Dr.) Dinesh Kumar Singh Executive Director, AIIMS Bathinda
(i)	Shri Shwait Malik, Member of Parliament, Rajya Sabha													
(ii)	Prof. Rajeev Ahuja, Director, IIT Ropar													
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(iv)	Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab													
(v)	Dr. Kamlesh Upadhyay, Professor and In-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat													
(vi)	Prof. (Dr.) Dinesh Kumar Singh Executive Director, AIIMS Bathinda													



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(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; and
- (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. Ashish Srivastav IAS, Additional Secretary & Financial Advisor, MoHFW, Govt. of India	Vice-Chairman
3.	Prof. (Dr.) Sunil Kumar, 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.	Sh. Vikas Garg, IAS, Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab.	Member
7.	Dr. Yogendra Malik, Associate 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.	Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab	Member
4.	Chief Secretary, Government of Punjab (Ex. Officio)	Member
5.	Sh. Ashish Srivastav, IAS Additional Secretary & Financial Advisor, MoHFW, Gol	Member
6.	Prof. Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical College	Member
7.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary



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(d) Standing Academic Committee (SAC):

S.No	Name of the Member	Status in SAC
1.	Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab	Chairman
2.	Prof. Rajiv Ahuja, Director, IIT Ropar	Vice-Chairman
3.	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.	Prof. Vikas Garg, IAS, Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab	Member
6.	Prof. Anil Kumar Gupta, Senior Professor & Head, Post Graduate Institute of Medical College	Member
7.	Dr. Yogendra Malik, Associate Professor, Bhagat Phool Singh Govt. Medical College, Sonapat, Haryana	Member
8.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary



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(e) Standing Selection Committee (SSC):

S.No	Name of the Member	Status in SSC
1.	Dr. Rajiv Kumar, Professor & Head, Cardio-Vascular, DMC & Hospital, Ludhiana, Punjab	Vice-Chairman
2.	Prof. (Dr.), Sunil Kumar, Director General of Health Services, Govt. of India	Member
3.	Dr. Kamlesh Upadhyay, Professor and in-charge, HoD Medicine, Byramjee Jeejeebhoy Medical College and Hospital, Ahmedabad, Gujarat	Member
4.	Prof. Rajeev Ahuja, Director, IIT Ropar	Member
5.	Sh. Vikas Garg, IAS, Vice Chancellor, I.K. Gujral Punjab Technical University, Jalandhar, Punjab	Member
6.	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. Rajiv Kumar, Professor & Head, Cardio-vascular DMC & Hospital, Ludhiana, Punjab	Vice-Chairman
3.	Dr. Yogendra Malik, Associate Professor, Bhagat Phool Singh Govt. Medical College, Sonapat, Haryana	Member
4.	Chief Secretary, Government of Punjab	Member
5.	Dr. Atul Goel, Director General of Health Services, Govt. of India	Member
6.	Dr. Kamlesh Upadhyay, Professor and Head, Department of Medicine, Byramjee J. Medical College and Civil Hospital, Ahmedabad, Gujrat	Member
7.	Prof. (Dr.) Dinesh Kumar Singh, Executive Director, AIIMS Bathinda	Member-Secretary



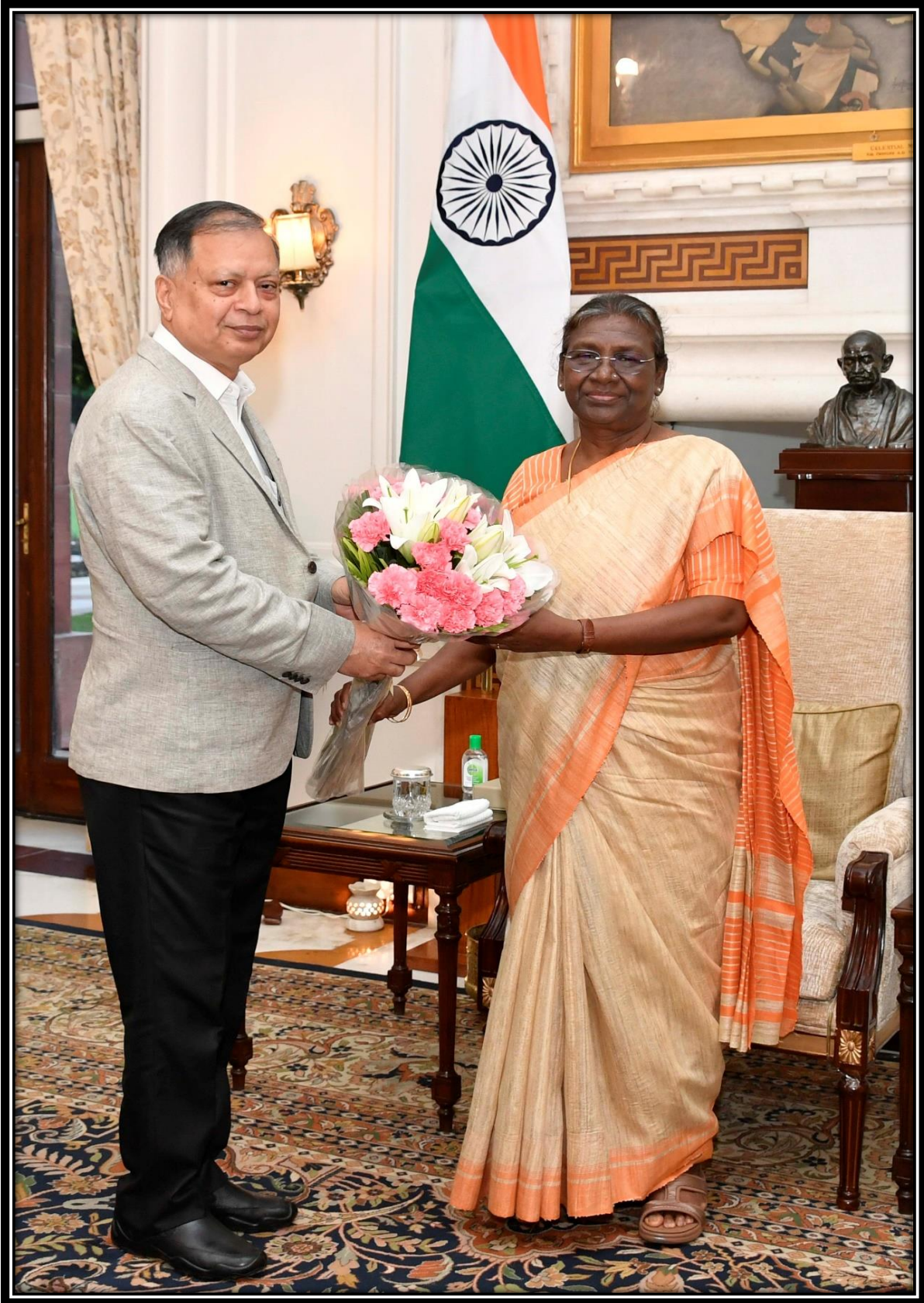
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(g) Standing HR Sub Committee (SHSC):

S.No	Name of the Member	Status in SHSC
1.	Sh. Ashish Srivastav, IAS, 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.	Director of the Concerned AIIMS as Convener of the Sub Committee of the Governing Body (GB)	Member-Secretary



ADMINISTRATIVE REPORT



Courtesy meeting with the Hon'ble President of India



General Administration

SANCTIONED STRENGTH AND IN-POSITION

As on 31 March 2022

During the year, Faculty and Non- Faculty recruitment was done. Accordingly, the Sanctioned and working Strength of faculty and Non-faculty in FY 2021-22 is as follows:

S.No.	Category	Sanctioned Strength	In-position (As on 31.03.2022)
1.	Project Cell	08	02
2.	Faculty	183	91
3.	Senior Residents and Junior Residents	100	96
4.	Non-Faculty – Nursing College and Hospital Services	915	448
5.	Other Non- Faculty (Group A)	03	02
6.	Other Non- Faculty (Group B and C)	20	09
	Total	1229	648



PROJECT CELL

Detail of Project Cell Post

Director	-	Prof. (Dr.) Dinesh Kumar Singh
Medical Superintendent	-	Prof. (Dr.) Anil Kumar Goel (From 26-12-21 to 26-03-22)
Deputy Director (Administration)	-	Lt. Col. Devender S. Rawat (Upto 15-03-22)
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. Devender S. Rawat (Upto 15-03-2022)
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 Mr. Mohit Arora
Stenographer
Mr. Vikas Kumar
Cashier
Mrs. Kamal Jeet Mr. Charanjeet Kumar
Jr. Admin. Assistant
Mr. Prabhjot Singh



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BUILDING AND ENGINEERING DEPARTMENT

BRIEF OF AIIMS, BATHINDA PROJECT

(a)	Date of Cabinet Approval	27.07.2016
(b)	Approved Project Cost	925 Crores
(c)	Construction Component Cost	747 Crores
(d)	Equipment Component Cost	178 Crores
(e)	Area	179 Acres 02 Kanal 03 Marla
(f)	Executing Agency	HLL Infra Tech Services Ltd.
(g)	Contractor	M/s. NCC Limited
(h)	Date of Agreement between MoHFW & Executing Agency	Memorandum of Agreement dated 07.12.2017
(i)	Agreement between EA and Contractor	HITES/IDN/AIIMS-BATHINDA/65-C/2018-19 dated 04.07.2018
(j)	Stipulated time and date of start	08.06.2018 (LOA No. HITES/IDN/AIIMS-BATHINDA/65-C/2018-19/268 dated 08.06.2018)
(k)	Actual Date of start of project	25.08.2018
(l)	Stipulated time and date of completion	07.06.2020 Extended upto June 2022 by MoHFW, GoI
(m)	Brief of Construction	<ol style="list-style-type: none">Hospital Block: 750 Bedded with OPD, IPD, AYUSHAcademic Block: Medical College, Nursing CollegeResidential 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 College	100 Admissions (Medical College)
4.		60 Admissions (Nursing College)
5.	Auditorium	500 Seats
6.	Night Shelter	150 Beds
7.	Shopping Centre	01 No.
8.	Central Dining & Mess	01 No.
9.	Cafeteria	01 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.



IPD Building (Block A) Emergency Services



IPD Block D



AUDITORIUM



Medical College Building (Includes Administrative Block and Nursing College)



Working Nurse Hostel



Student Nurse Hostel



Type II Residential Block



Type V Residential Block



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Facilities for Uninterrupted Oxygen supply at AIIMS Bathinda



Liquid Medical Oxygen Tanks of 20 KL + 10k KL capacity for continuous supply of Oxygen to ICU, MICU, NICU, Emergency, Wards



PSA Oxygen Plant of 1000 LPM capacity for augmentation of Oxygen supply efforts



In order to cater to the daily needs of AIIMS Bathinda Faculty, Staff, Residents, Students, visiting Patients and their attendants, a Milk & Milk Products Booth has been provisioned at the campus.



For water preservation efforts at AIIMS Bathinda, Drip Irrigation system has been provisioned at all parks, lawns, green areas of the campus for efficient utilisation of water resources at the campus.



ACADEMIC SECTION



Academic Section

Dean: Prof. Satish K. Gupta

Associate Dean: Dr Bhola Nath

Registrar: Dr. Navita Aggarwal

The Academic Section develops policy and plans, and executes academic activities. These activities encompass the undergraduate programmes for medical and nursing. These activities are conducted by the undergraduate and paramedical cells. The department functions under the Administrative Control of Dean (Academic) supported by Associate Dean (Academic) and Registrar.

UNDERGRADUATE EDUCATION

The section handles postadmission formalities for new students, develops and revises curriculum and administers teaching programmes including internal assessment of undergraduate students admitted to various courses. The courses include MBBS, and BSc (Hons) Nursing courses.

Bachelor of Medicine and Bachelor of Surgery (MBBS)

The MBBS course is of 5½ years duration and comprises of 3 phases and an internship. The details are as follows:

Phase	Duration (years)	Training
First	One	Pre-clinical
Second	One and a half	Para-clinical
Third	Two	Clinical
Internship	One	Compulsory rotation in various departments

At present, 100 Indian students are admitted every year to the MBBS course (41 General Category, 15 Scheduled Caste, 7 Scheduled Tribe, 27 Other Backward Classes and 10 economically weaker section). These admissions were made based on merit through an All-India Entrance Examination. For persons with disabilities (PWD), 5% reservation was provided on a horizontal basis. Soon the institute will be starting new postgraduate courses.



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Academic indicators for the year 2021-22

S. No.	Indicators	Achievements
1.	UG seats (MBBS): Intake per annum	100
2.	PG seats sanctioned per session: Cumulative	50 (January 2022 session)
3.	DM/M.Ch. seats	Nil
4.	B.Sc. Nursing seats functional	60 per session
5.	M.Sc. Nursing seats functional	Nil
6.	Paramedic seats functional	Nil



**ACADEMIC
PERFORMANCE OF
THE INSTITUTE**



DEPARTMENT OF ANAESTHESIOLOGY AND CRITICAL CARE

Name of the Department	Anaesthesiology
Head of the Department	Dr. Mayank Gupta

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Mayank Gupta	Associate Professor	02-08-21
2	Dr. Navneh Samagh	Associate Professor	09-11-19
3	Dr. Jyoti Sharma	Associate Professor	01-02-20
4	Dr. Jyoti Kanwat	Assistant Professor	14-08-21
5	Dr. Gegal Pruthi	Assistant Professor	23-08-21
6	Dr. Shashank Umesh Paliwal	Assistant Professor	14-08-21
7	Dr. Gopal Krishan Jalwal	Assistant Professor	14-08-21
8	Dr. Ankita Dey	Assistant Professor	03-01-21

II. Brief Introduction of the department:

Vision:

To be a centre par excellence in academics, research and practice in the field of Anaesthesiology, Critical Care and Pain Medicine.

Mission:

The mission of the Department of Anaesthesiology, AIIMS Bathinda is -

Excellence in Medical Training:

- To provide the best academic environment and to train the next generation of anaesthesiologists, intensivists and pain medicine specialists to address current and emerging challenges in anaesthesia critical care and pain.
- To train medical and paramedical staff and students in basic life support skills.
- To promote continuing education in the field of Anaesthesiology, critical care and pain by organizing CME's, conferences and workshops.
- To provide evidence-based peri-operative services to patients undergoing Surgeries (General Surgery, ENT, Ophthalmology, Paediatric Surgery, OBG, Neurosurgery, Cardiac Surgery) at AIIMS Bathinda
- To provide state-of-the-art evidence-based multi-modal pain management services to patients suffering from Acute, chronic non-cancer and cancer pain.



Excellence in Research:

To promote translational and implementational research in anaesthesia, critical care, and pain medicine to advance patient care.

OPD schedule:

- Pre-anaesthetic Check-up Clinic: Monday to Saturday
- Pain Clinic: Monday to Saturday

Diagnostic Services:

Image Guided diagnostic pain blocks (like diagnostic selective nerve root block or median branch block) in patients suffering from chronic non-cancer pain to determine if the pain is actually coming from a particular nerve or joint.

Investigation timings/ Location in hospital:

Monday to Friday: 9 AM to 5 PM

Saturday: 9 AM to 1 PM

Location: Operation theatre complex, IPD Complex, First Floor, AIIMS Bathinda

III. Major Equipment available:

1. State of the Art Anaesthesia Workstations with multimodal monitoring including advanced hemodynamic monitoring, depth of anaesthesia monitoring and neuromuscular monitoring.
2. Fiberoptic bronchoscope with adult and pediatric scopes.
3. Rapid point 500 ABG Machine
4. High end ICU Ventilators with advanced ventilatory modes
5. High flow nasal oxygen machines
6. High end ICU monitors

IV. 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 & Designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Mayank Gupta: Participated as Faculty (Lecture)	History Taking: A Pivotal Aspect for Successful Management of chronic Pain patients	68 th annual conference of the Indian Society of Anaesthesiologist (ISACON 2021)	Indian Society of Anaesthesiologist (ISACON 2021)



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S. No	Name & Designation of faculty	Title/Topic	Details of the Event	Organised by
2	Dr. Mayank Gupta: Participated as faculty (Lecture and workshop)	Managing patients with difficult pain	29 TH National conference of the Indian Association of Palliative Care (IAPCON-2022).	Indian Association of Palliative Care
3	Dr. Mayank Gupta: participated as faculty (Lecture)	Trigeminal NEURALGIA: Evidence based management	National Update on Chronic Pain	AIIMS Bathinda
4	Dr Mayank Gupta	Central venous cannulation	CME & Hands on workshop on "Central Venous Cannulation" August 2021	AIIMS Bathinda
5	Dr. Navneh Samagh Associate Professor	Management of TBI in resource limited settings	23rd Annual National Conference of ISNACC 2022 held on 21-23 rd Jan 2022.	ISNACC
6	Dr. Navneh Samagh Associate Professor	Care of Comatose Patient	ANC (Acute Neuro Care) - 18-19 Dec, 2021.	NCSI and AIIMS Bathinda
7	Dr. Navneh Samagh Associate Professor	Quiz Master	ANC (Acute Neuro Care) - 18-19 Dec, 2021.	NCSI and AIIMS Bathinda
8	Dr. Navneh Samagh Associate Professor	Evidence based Practices	CME & Hands on Workshop on Central Venous Cannulation- 8 th August, 2021.	AIIMS Bathinda
9	Dr. Navneh Samagh Associate Professor	Anaesthesia and Intraoperative Neurophysiological Spinal Cord Monitoring	Clirnet Masterclass on 26 th Oct 2021	----
10	Dr. Navneh Samagh Associate Professor	Assessment of a comatose Patient	Mega Online Anaesthesiology Course on 13 th March 2022	Mega Learning Platform
11	Dr. Navneh Samagh Associate Professor	Basics of Oxygen Therapy and oxygen delivery devices	Training of trainers on Acute care & emergency response in Management in COVID-19 patients	AIIMS Bathinda in collaboration with WHO Collaborating Centre for Emergency & Trauma, AIIMS,



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S. No	Name & Designation of faculty	Title/Topic	Details of the Event	Organised by
				New Delhi and USAID RISE program on 1- 2 nd July 2021.
12	Dr. Navneh Samagh Associate Professor	Mechanical Ventilation	Training of trainers on Acute care & emergency response in Management in COVID-19 patients	AIIMS Bathinda in collaboration with WHO Collaborating Centre for Emergency & Trauma, AIIMS, New Delhi and USAID RISE program on 1- 2 nd July 2021.
13	Dr. Navneh Samagh Associate Professor	Care bundles for ICU	Training of trainers on Acute care & emergency response in Management in COVID-19 patients	AIIMS Bathinda in collaboration with WHO Collaborating Centre for Emergency & Trauma, AIIMS, New Delhi and USAID RISE program on 10- 11 th June 2021.
14	Dr. Navneh Samagh Associate Professor	High Flow Oxygen Therapy	Training of trainers on Acute care & emergency response in Management in COVID-19 patients	AIIMS Bathinda in collaboration with WHO Collaborating Centre for Emergency & Trauma, AIIMS, New Delhi and USAID RISE program on 10- 11 th June 2021.
15	Dr. Navneh Samagh Associate Professor	Non Invasive ventilation	Training of trainers on Acute care & emergency response in Management in COVID-19 patients	AIIMS Bathinda in collaboration with WHO Collaborating Centre for Emergency & Trauma, AIIMS, New Delhi and USAID RISE program on 10- 11 th June 2021.



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S. No	Name & Designation of faculty	Title/Topic	Details of the Event	Organised by
16	Dr Jyoti Sharma: Panel discussion	Panel discussion on opioid and opioid sparing strategies	68 th Annual Conference of, ISACON 2021- November 2021	Indian Society Of Anaesthesiologists, ISA
17	Dr Jyoti Sharma:	Total Intravenous Anaesthesia Master Class	National conference of "SOAPCCON 2021" in September 2021	Society of Onco-Anaesthesia and Perioperative Care
18	Dr Jyoti Sharma:	Angiotensin II Agonist And Levosimenden	Recent Advances in Anaesthesia (RAA) 2021, - October 2021	ABVIMS, Dr RML Hospital
22	Dr Jyoti Sharma:	ASA Classification	Anaesthesia Postgraduate Pre-Examination Course (APPEC), 26th Feb - 4th March 2022	ABVIMS & Dr. RML Hospital,
23	Dr Jyoti Sharma: Panel discussion: interesting case discussion	Panel discussion : interesting case discussion	TMC 1 st HPB & GI Anaesthesia and Perioperative Care National Conference- March 2022	Tata memorial hospital, Mumbai
24	Dr Jyoti Sharma:	CVP: indications and techniques	CME & Hands on workshop on "Central Venous Cannulation" August 2021	AIIMS, Bathinda
25	Dr Jyoti Sharma:	Comparison of different methods of cuff inflation in PVC and Microcuff tracheal tubes	TRAUMA 2021 virtual - Oral paper presentation	Indian Society For Trauma And Acute Care
26	Dr Jyoti Sharma:	ISCCM leads the fight against covid"	28 th ISCCM Day 2021, E -Poster competition	Indian Society Of Critical Care Medicine
27	Dr. Gopal Jalwal: Participated as Faculty (chairperson/Judge)	chairperson/Judge	68 th annual conference of the Indian Society of Anaesthesiologist (ISACON 2021)	Indian Society of Anaesthesiologist (ISACON 2021)
28	Dr. Gegal Pruthi: Oral Presentation	Impact of End-of-Life Care Nursing Education Consortium (ELNEC) on knowledge and attitude of nurses in palliative care and care of dying in India	29 th National conference of the Indian Association of Palliative Care (IAPCON-2022).	Indian Association of Palliative Care



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S. No	Name & Designation of faculty	Title/Topic	Details of the Event	Organised by
29	Dr Gegal Pruthi: Oral Presentation	Comparison of duration of action of cisatracurium and rocuronium during hypothermic cardiopulmonary bypass- a prospective randomized double blind trial in cardiac surgery	IACTACON- 2022, Madurai	IACTA

V. Faculty achievements – awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Mayank Gupta	Commonwealth distance learning scholarship to pursue MSc Palliative Medicine from Cardiff University, UK 2020-2023	MSc Palliative Medicine from Cardiff University, UK	Cardiff University, UK
2	Dr. Mayank Gupta	Received Scholarship from the International Association of Hospice and Palliative care to attend 29 TH National conference of the International Association of Hospice and Palliative Care (IAPCON-2022).	29 TH National conference of the International Association of Hospice and Palliative Care (IAPCON-2022).	Indian Association of Palliative care
3	Dr. Navneh Samagh Associate Professor	Scholarship	17 th World Congress of Anaesthesiologists	WFSA
4	Dr Jyoti Sharma	3 month Basic online fellowship course in pain management	July 21 to October 21	Daradia-The Pain Clinic
5	Dr. Gopal Jalwal	First prize in Chess Championship on AIIMS Bathinda Institute-2021	AIIMS Bathinda	AIIMS Bathinda



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
6	Dr. Shashank Umesh Paliwal	First prize in Chess Championship on AIIMS Bathinda Institute-2021	AIIMS Bathinda	AIIMS Bathinda
7	Dr. Gegal Pruthi	IACTA National travelling fellowship 2021	IACTACON 2022, Madurai	IACTA

VI. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Navneh Samagh Co PI	Incidence of adverse outcomes and risk factors for mortality among mucormycosis patients in India; A multicentric ambispective cohort study 2021-2022	Extramural	Ongoing	----

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

- **Gupta M.** COVID-19: Mjolnir's Blow to Terminal Palliative Care Patients. Indian J Palliat Care. 2022 Jan-Mar; 28(1):124-125. Doi: 10.25259/IJPC_132_21.
- **Gupta M**, Rao SR, Salins N, Singhai P, Rao KS. Maggots in the Intercostal Drain: Case Report of a Rare Presentation with a Brief Review of Literature. Indian J Palliat Care. 2021 Jul-Sep;27(3):439-441. Doi: 10.25259/IJPC_428_20.
- Bhat K V, Rao KS, Vijayasekharan K, Venkatagiri AM, Ashwini S, Singhai P, Rao SR, **Gupta M**, Salins N. Evaluating the Need for Integrated Pediatric Palliative Care Services in a Pediatric Oncology Setting: A Retrospective Audit. Indian J Palliat Care. 2021 Apr-Jun; 27(2):286-290. Doi: 10.25259/IJPC_460_20.
- Rao SR, Rao KS, Singhai P, **Gupta M**, Rao S, Shanbhag V, et al. COVID-19 palliative and end-of-life care plan: Development and audit of outcomes. Indian J Palliat Care 2022;28:272-9.
- **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. 2022 Jun 15:10499091221108342. doi: 10.1177/10499091221108342. Epub ahead of print. PMID: 35703389.
- Let bubble solve the trouble'- accepted for publication (JOACP)



- **Samagh N**, Singh N, Jangra K, Kumar A. Endovascular Coiling in a Patient with Chronic Kidney Disease—A Challenge for Anesthesiologist. *J Neuroanaesth Crit Care* 2021; 08(03): 207-210. Scopus
- **Samagh N**, Panda NB, Gupta V, Bharti N, Tripathi M, Bhagat H, Chhabra RK, Jangra K, Luthra A. Impact of Stellate Ganglion Block in the Management of Cerebral Vasospasm: A Prospective Interventional Study. *Neurol India*. 2022 Jan-Feb;70(1):289-295. doi: 10.4103/0028-3886.338735. PMID: 35263898. Pubmed, Scopus
- Kaur A, **Samagh N**, Nimish, Kaur N. Dengue and COVID-19 Coinfection- A Double Trouble. *J Assoc Physicians India*. 2021 Aug;69(8):11-12. PMID: 34472817. Pubmed
- Kaur B, Singh S, Kaur H, **Samagh N**. Spontaneous Pneumomediastinum in a Patient with Covid-19. *J Assoc Physicians India*. 2022 Mar; Aug; 70 (3):87-88. Pubmed

VIII. Detail of Book published with indexing database

- Jangra K, Bhagat, H., **Samagh, N**. (2021). Anesthetic Concerns During Surgical Excision of Intracranial Arteriovenous Malformations. In: Rath, G.P. (eds) *Fundamentals of Pediatric Neuroanesthesia*. Springer, Singapore. https://doi.org/10.1007/978-981-16-3376-8_21.
- **Samagh N**, Singh N, Singh DK (2021). Organ Donation: Current Guidelines. In: Todi S, Chaudhry D, Govil D (eds) *Critical Care Update 2021*. Jaypee Brothers, New Delhi.
- Kumar P, Abhilasha, **Sharma J**, Kaur K, Bharadwaj M, Singh A. Evaluation of audible leak *versus* pressure volume loop closure for polyvinyl chloride cuff and polyurethane microcuff in endotracheal tube inflated with air: a prospective randomized study. *Med Gas Res* 2021 ;11:6-11
- **Sharma J**, Bala R, Seema S: Correlation of venous blood sugar measured by Lab method and capillary blood sugar measured by glucometer in neurosurgical patients receiving dexamethasone, *Asian journal of neurosurgery* (Ahead of print)
- Kumar P, Singh A, **Sharma J**, Parshad S, Johar S, Kaur K: Erector spinae block: novel analgesia technique for breast surgery, *Medical Gas Research* (Ahead of print)
- **Kanwat J**. To Study the Correlation between Estimated Ultrasound Depth and Actual Needle Depth of Epidural Space in Transverse Plane in Parturients Undergoing Cesarean Section. *J Anesth Clin Res*. 12:1009.
- Praveen MS, Shetty AN, Devalkar PS, Sakrikar GR, **Paliwal US**, Hemantkumar C I. A Novel method of airway management in a neonate with a large occipital encephalocele. *J Pediatr Neurosci* [Epub ahead of print]. Available from: <https://www.pediatricneurosciences.com/preprintarticle.asp?id=335203>

In chronological order and written in Vancouver style with the name of the AIIMS-Bathinda.



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

Training activities conducted,

Surgeries, camps, etc.:1

Number of Conference Organized: 2

Number of Workshop Organized: 4

The department of Anaesthesiology organized:

- Central venous cannulation workshop
- NUCP (National Update on Chronic Pain) 2021- Sept. 18th, 2021
- Pain Awareness Month September 2021-Sept., 2021
- World Hospice & Palliative Care Day Celebration 2021
- COLS (Compression Only Life Support Workshop) – on World Anaesthesia Day- Oct. 16th, 2021
- Co-organized AUTLS-N (AIIMS Ultrasound Trauma and Life Support Course for Nurses)
- Ultrasound Guided Workshop on Pain Intervention 2021 –Sept. 19th, 2021
- ANC (Acute Neuro Care)- Dec 18th-19th, 2021
- ELNEC Core training programme

Number of Thesis Supervised MD/MS: 8

Any other achievements in number

- Dr. Mayank Gupta: Cleared Diploma in Palliative Medicine from Cardiff University, UK.
- Dr. Gopal Jalwal: BCBR (Basic course of biomedical research) certified course cleared-march 2022
- Dr. Shashank Umesh Paliwal: Cleared EDAIC Part I
- Dr. Jyoti Kanwat: BCBR (Basic course of biomedical research) certified course cleared-march 2022



CME and Hands-on-workshop on Central venous cannulation



Ultrasound Guided Workshop on Pain Interventions



National Update on Chronic Pain Conducted by Department of Anaesthesiology, Critical Care and Pain Medicine in association with the Indian Society for Study of Pain (ISSP)





World Hospice and Palliative Care Day



End of Life Nursing Education Consortium in collaboration with the American College of Nursing



World Anaesthesia Day Celebrations

RESUSCITATION WAS and WILL BE ALWAYS IMPORTANT

ANCIENT RESUSCITATION

MODEREN RESUSCITATION



Poster and slogan writing competition on the theme Resuscitation: Bringing back to life"





DEPARTMENT OF ANATOMY

Name of the Department	Anatomy
Head of the Department	Dr. Priti Chaudhary

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1.	Dr. Priti Chaudhary	Additional Professor	23-08-2019
2.	Dr. Navita Aggarwal	Associate Professor	22-08-2019
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

II. Brief Introduction of the department:

Academics and teaching:

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

Mission

- 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.
- To create an intellectually vibrant environment within the department.
- To set up Skill Lab for the purpose of training & research.
- To impart Clinical Skills to the students by various innovative teaching-learning methods

III. Expansion planned for the future:

- a. Clinical Services:** The department plans to conduct hands on workshops for different clinical branches. For the same, Body donation program has been started and planning in future to start cadaveric organ donation program.
- b. 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.



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IV. 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
International conferences				
1	Dr. Priti Chaudhary (As Co-Author)	Reappraising the clinical significance of the Kaplan's cardinal line as a reliable surface marker for the superficial palmar arch during carpal tunnel release	FIRMST International Conference on Applied Anatomy: 11-12 February 2022 (FICAA 2022)	Forum for interdisciplinary research in medical science and technology (FIRMST)
National conferences				
2	Dr. Priti Chaudhary	Clinical anatomy of Thyroid Gland with its surgical aspect	Clinical/Academic meet	AIIMS Bathinda in October, 2021.
3	Dr. Priti Chaudhary	Participated as Panelist & presented trends in body preservation in G.M.C. Amritsar & G.G.S. Medical College Faridkot	National CME Cum Updates on Recent Trends in Body Preservation	Department of Anatomy, AIIMS Bathinda on 27 th April 2021.
International conferences				
4	Dr. Apurba Patra	Integration Of Innovative Educational Technologies In Anatomy Teaching- New Normal In Anatomy Education	BMS e-CON 2nd International e-conference on "Exploring the Newer modalities in Teaching – Learning and Research in Basic Medical Sciences during COVID era"	the Departments of Anatomy, Biochemistry, Physiology and Center for Biomedical Research, AVMCH, Puducherry, India
5	Dr. Apurba Patra	Inter-thalamic adhesions' prevalence, position, dimensions and its clinical insinuation: corpse brain analysis	FIRMST International Conference on Applied Anatomy: 11-12 February 2022 (FICAA 2022)	Forum for interdisciplinary research in medical science and technology (FIRMST)
6	Dr. Apurba Patra	Reappraising the clinical significance of the Kaplan's cardinal line as a reliable surface marker for the superficial palmar	FIRMST International Conference on Applied Anatomy: 11-12 February 2022 (FICAA 2022)	Forum for interdisciplinary research in medical science and technology (FIRMST)



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
		arch during carpal tunnel release		
National conferences				
7	Dr. Apurba Patra	The prevalence and distribution of the variants of Gantzer's muscle: a meta-analysis of cadaveric studies	National Anatomy Conference of Anatomical Society Of India February 2022	Anatomical Society Of India
International conferences				
8	Dr. Anjali Singal Assistant professor	Evolving trends in anatomy- A global perspective (written contest)	International workshop of Anatomy IWA, Oct, 2021, (Under aegis of ASI)	Department of Anatomy Teerthanker Mahaveer Medical College & Research Center
National conferences				
9	Dr. Anjali Singal Assistant professor	Google Trends in Anatomy Dissection Before & During COVID-19 Pandemic	3 rd Annual conference of North chapter of Anatomists Society & CME on Demystifying Immunohisto Chemistry (Sep, 2021)	Department of Anatomy PGIMER Chandigarh
10	Dr. Anjali Singal Assistant professor (Co-author)	Poster "Morphology and Location of Major Duodenal Papilla and Its Clinical Implications"	3 rd Annual conference of North chapter of Anatomists Society & CME on Demystifying Immunohisto Chemistry (Sep, 2021)	Department of Anatomy PGIMER Chandigarh
11	Dr. Anjali Singal Assistant professor	Superior and inferior mesenteric artery communications: Typical & Atypical Scenario" at national conference	National conference NATCON, by Anatomical society of India on 27.1.2022	Department of Anatomy, KGMU Lucknow
12	Dr. Anjali Singal Assistant professor	Poster "Osseous deficiencies and pockets in Scapula: An unusual case"	National conference NATCON, by Anatomical society of India on 27.1.2022	Department of Anatomy, KGMU Lucknow



V. Faculty achievements –awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Priti Chaudhary, Additional Professor	Received the Award of Scroll of Membership of National Academy of Medical sciences (MAMS)	Convocation of the Academy	National Academy on 8 th April, 2021 at International Centre, New Delhi
2.	Dr. Priti Chaudhary, Additional Professor	Awarded Fellowship (FIMSA)	Convocation	INTERNATIONAL MEDICAL SCIENCES ACADEMY in August, 2021.
3.	Dr. Priti Chaudhary, Additional Professor	Awarded certificate for Successfully completing the Basic course in Bio-medical Research (NPTEL)	----	ICMR in November, 2021.
4	Dr. Navita Aggarwal, Associate Professor	Awarded Fellowship	----	INTERNATIONAL MEDICAL SCIENCES ACADEMY
5.	Dr. Navita Aggarwal, Associate Professor	Completed STS project report - Assessment of knowledge of cord blood banking among health professionals of Northern India (report submitted and accepted by ICMR)	----	ICMR
6.	Dr. Anjali Singal Assistant professor	Elected as member “National Academy of Medical sciences” New Delhi	Annual conference (NAMSCON-2021)	Held at Banaras Hindu University
7.	Dr. Anjali Singal Assistant professor	Elected as executive member “North Chapter of Anatomists Society”	3 rd Annual conference of North chapter of Anatomists Society	Held at PGIMER Chandigarh
8.	Dr. Vandana Tiwari	passed	DNB -ANATOMY	NBE



VI. Research activities undertaken in the department:

Ongoing Research Projects in the Department (Intramural without any funds requirement/sanctioned)- 09 (Nine)

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Navita Aggarwal – as Guide – for STS project	Assessment of knowledge of cord blood banking among health professionals of Northern India (report submitted and accepted by ICMR)	extramural	Completed and REPORT ACCEPTED	40,000/-
Projects submitted					
1	Dr. Priti Chaudhary As guide/ Mentor for STS project (submitted during the period of report)	Developing an Integrated Teaching Atlas of Human Brain Anatomy using Cadaveric sections and annotated MRI images	Extramural	Ongoing (got accepted in May 2022)	40,000

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

Research papers

- **Patra A**, Chaudhary P, Arora K, Ravi KS. Surgical anatomy of the radial nerve in the anterior compartment of the arm: relationship with the triceps aponeurosis. *Surg Radiol Anat.* 2021 May;43(5):689-694. doi: 10.1007/s00276-021-02683-z. PMID: 33515288.
- **Patra A**, Kaur H, **Chaudhary P**, Asghar A, **Singal A**. Morphology and Morphometry of Human Paracentral Lobule: An Anatomical Study with its Application in Neurosurgery. *Asian J Neurosurg.* 2021 May 28;16(2):349-354. doi: 10.4103/ajns.AJNS_505_20. PMID: 34268163; PMCID: PMC8244697.
- **Singal A**, Bansal A, **Chaudhary P**, Singh H, **Patra A**. Anatomy education of medical and dental students during COVID-19 pandemic: a reality check. *Surg Radiol Anat.* 2021;43:515–521. [https:// doi. org/ 10. 1007/ s00276- 020- 02615-3](https://doi.org/10.1007/s00276-020-02615-3); **Citations-45**
- **Singal A**, Sahni D, **Chaudhary P**, Singh H. Virtual thanks giving to a cadaver by medical students exposed to learning anatomy before and amidst COVID-19 pandemic. *Surg Radiol Anat.* 2021;43(4):523-527. doi: 10.1007/s00276-021-02715-8. Epub 2021 Feb 25. PMID: 33630106; PMCID: PMC7905426.



- **Patra A**, Singla RK, Mathur M, **Chaudhary P**, **Singal A**, Asghar A, Malhotra V. Morphological and Morphometric Analysis of the Orbital Aperture and Their Correlation With Age and Gender: A Retrospective Digital Radiographic Study. *Cureus*. 2021 Sep 5;13(9):e17739. doi: 10.7759/cureus.17739. PMID: 34659952; PMCID: PMC8491795.
- **Singal A**, Sahni D, Gupta T, Aggarwal A, Gupta AK. Surgical anatomy of basal turn in relation to middle cranial fossa and round window as pertaining to middle fossa cochlear implant technique. *Surg Radiol Anat*. 2021;43(7):1195-1201. doi: 10.1007/s00276-020-02647-9. Epub 2021 Jan 5. PMID: 33399918.
- Arora KK, Kapila R, **Chaudhary P**. Efficacy of antiglide plate in vertical shear fractures of medial malleolus due to supination adduction injury around ankle: a prospective clinical study. *Int Surg J*. 2021 Dec; 8(12): 3626-3633.
- **Aggarwal N**, Verma N, Singh H. Student-led seminar as a teaching learning technique to introduce first year medical undergraduate students to self-directed learning. *J Educ Technol Health Sci* 2021;8(2):59-63.
- **Aggarwal N**, Bansal N, Mahajan R, Verma N, Gupta M. Perception analysis of an early clinical exposure module in anatomy for first year undergraduate medical students in a North Indian medical college. *J Educ Technol Health Sci* 2021;8(2):26-32.
- **Singal A**. Anatomy examination amidst COVID-19 pandemic: Need of the hour [published online ahead of print, 2021 May 6]. *Morphologie*. 2021;S1286-0115(21)00066-7. doi:10.1016/j.morpho.2021.05.001
- Kaur H, Mahajan D, Seth AB, **Patra A**, Singh M. Superficial group of muscles of posterior compartment of the forearm -an anatomical study. *Int J Appl Res* 2021; 11(4): 20-23. DOI : 10.36106/ijar
- Haldar A, Gaikwad M, **Patra A**, Chakraborty S. Cytological, Histochemical, and Ultrastructural Study of the Human Fetal Spleen of Various Gestational Age With Future Implications in Splenic Transplantation: An Anatomical Perspective. *Cureus*. 2021 Oct 19;13(10):e18911. doi: 10.7759/cureus.18911. PMID: 34820226; PMCID: PMC8602882.
- **Patra A**, Asghar A, Ravi KS, Duparc F, Arora S. The morphological and morphometric analysis of the variant patterns of the tricipital aponeurosis: A new anatomical classification with possible clinical implications. *Folia Morphol (Warsz)*. 2021 Sep 30. doi: 10.5603/FM.a2021.0097. Epub ahead of print. PMID: 34590297.
- **Patra A**, Bhat GM, Ravi KS. Anatomy education amid the second wave of COVID-19 pandemic: Challenges and solutions for instructional delivery. *Natl J Clin Anat* 2021;10:109-11.
- **Patra A**. Medical education amid pandemic: challenges and opportunities. *Academia Edu* 2021: 1-5. Article 1144. <https://doi.org/10.20935/AL1144>.
- **Patra A**, Asghar A, **Chaudhary P**, Ravi KS. Integration of innovative educational technologies in anatomy teaching: new normal in anatomy education. *Surg Radiol Anat*. 2022 Jan;44(1):25-32. doi: 10.1007/s00276-021-02868-6. Epub 2022 Jan 8. PMID: 34997275; PMCID: PMC8741575.



- Arora KK, Kapila R, Kapila S, **Patra A, Chaudhary P, Singal A**. Management of Lateral Epicondylitis: A Prospective Comparative Study Comparing the Local Infiltrations of Leucocyte Enriched Platelet-Rich Plasma (L-aPRP), Glucocorticoid and Normal Saline. *Malays Orthop J*. Mar2022; 16(1): 58-69. doi: 10.5704/MOJ.2203.009. PMID: 35519524; PMCID: PMC9017925.
- **Arora KK, Patra A, Chaudhary P (Corresponding author)**. Proficiency of topical platelet rich plasma with vacuum assisted closure over platelet rich plasma alone in diabetic foot ulcers: A clinical prospective comparative study. *Biomedical Research (2022) Volume 33, Issue 3*. Accepted in March 2022.
- Haldar A, Rajanand Gaiwad M, **Patra A**, Bhattacharya SC. Cytological, histochemical, and ultrastructural study of human foetal liver of various gestation with future implications in segmental resection: an anatomical perspective. *Anat Cell Biol*. 2022 Mar 31;55(1):92-99. doi: 10.5115/acb.21.152. PMID: 34759067; PMCID: PMC8968233.
- Iwanaga J, **Patra A**, Ravi KS, Dumont AS, Tubbs RS. Anatomical relationship between the foramen ovale and the lateral plate of the pterygoid process: application to percutaneous treatments of trigeminal neuralgia. *Neurosurg Rev*. 2022 Jun;45(3):2193-2199. doi: 10.1007/s10143-021-01715-x. Epub 2022 Jan 15. PMID: 35031899.
- Asghar A, Jha RK, **Patra A**, Chaudhary B, Singh B. The prevalence and distribution of the variants of Gantzer's muscle: a meta-analysis of cadaveric studies. *Anat Cell Biol*. 2022 Mar 31;55(1):3-13. doi: 10.5115/acb.21.141. PMID: 34785621; PMCID: PMC8968234.
- Asghar A, Naaz S, Narayan RK, **Patra A**. The prevalence and distribution of sternalis muscle: a meta-analysis of published literature of the last two hundred years. *Anat Sci Int*. 2022 Jan;97(1):110-123. doi: 10.1007/s12565-021-00632-9. Epub 2021 Sep 30. PMID: 34591276
- **Singal A**. Transforming anatomy education: then and now. *Anat Sci Int*. 2022; **97**, 230–231 <https://doi.org/10.1007/s12565-021-00645-4>
- **Singal A**, Bansal A. Google trends in "anatomy": pre-pandemic versus during COVID-19 pandemic. *Surg Radiol Anat*. **2022** Jan DOI: 10.1007/s00276-021-02806-6 (Accepted)
- Bhadoria P, Bisht K, Singh B, **Tiwari V**. Cadaveric Study on the Morphology and Morphometry of Heart Papillary Muscles. *Cureus*. 2022 Feb 28;14(2):e22722. doi: 10.7759/cureus.22722. PMID: 35382408; PMCID: PMC8975613.

VIII. Conference abstracts:

- **Patra A**, Ravi KS, Chaudhary P. Inter-thalamic adhesions' prevalence, position, dimensions and its clinical insinuation: corpse brain analysis (FICAA22| Abstracts | phy-7-2-ficaa22| March 2022. (<https://doi.org/10.38192/1.7.2.ficaa22>)
- **Patra A**, Kaur H, Kalyan GS, Singh M. Reappraising the clinical significance of the Kaplan's cardinal line as a reliable surface marker for the superficial palmar arch during carpal tunnel release(FICAA22| Abstracts | phy-7-2-ficaa22| March 2022. <https://doi.org/10.38192/1.7.2.ficaa22>.



IX. According to Google Scholar database

Dr. Priti Chaudhary

1. Number of citations- 325
2. i10 index-8
3. h-index-8

Dr. Apurba Patra

1. Number of citations: 204
2. i10 index:5
3. h-index: 7

Dr. Anjali Singal

1. Number of citations- 300
2. i10 index- 9
3. h-index- 9

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

- Number of Conference/ contest Organized - 02
- Number of Thesis/Plan Supervised MD/MS - 01
- Any other achievements in number

Dr. Priti Chaudhary

1. **Organized CME** on “Recent trends in body preservation including Covid-19 suspected deaths” on 27th April 2021 as **organizing Chairperson**.
2. Celebrated **World Anatomy Day** and organized **Rangoli contest based on the drawings of Anatomy for the first year MBBS Students batch 2020-2021** on 1st Oct, 2021 as **Organizing Chairperson**.
3. **Body donation Program** has been started in Department and procured 3 cadavers for teaching & research purpose.
4. **Cadaveric oath ceremony** conducted in March 2022.
5. Worked as **section editor** of National Journal of Clinical Anatomy and had undertaken Editorial review for Journal of Clinical and Diagnostic Research, PLOS ONE, NJCA.
6. Worked as **Member Secretary, IEC**; Chief Vigilance Officer; Co-convenor of Anti-Ragging committee; Girl’s Hostel Superintendent; Member of organizing committee & selection committee; **in charge for setting of labs** in Medical College, OPD and IPD; **officer in charge, Lecture Theatre** AIIMS Bathinda.

Dr. Navita Aggarwal

As the Co-ordinator of the program started the BODY DONATION PROGRAM at AIIMS Bathinda under the banner of ‘**Deh daan Maha daan**’ in February 2021. The program is successfully running and have received donated bodies and pledge forms for voluntary body donation.



Dr. Apurba Patra

1. Assistant editor, national journal of clinical anatomy
2. Organized virtual CME cum updates on recent trends in body preservation on 22nd April 2021 as joint organizing secretary and moderated panel discussion.
3. Executive member (elected) of north chapter of anatomists society of india (ncas)
4. One research paper (co-authored) entitled “the prevalence and distribution of the variants of gantzer's muscle: a meta-analysis of cadaveric studies” received gold medal in national anatomy conference of anatomical society of India (2022).
5. Organized webinar on world anatomy day-research in anatomical sciences on 15th oct, 2021 national journal of clinical anatomy under the aegis of society of clinical anatomists (soca) and wolters Kluwer
6. Organized rangoli art competition in the department of anatomy on the eve of world anatomy day celebration
7. Participated in the international intercollegiate essay competition during international workshop anatomy in Oct 2021.
8. Organised two webinars as joint organising secretary under the aegis of national journal of clinical anatomy. Titled: “publication ethics” and preparing and publishing scientific manuscripts”.

Dr. Anjali Singal

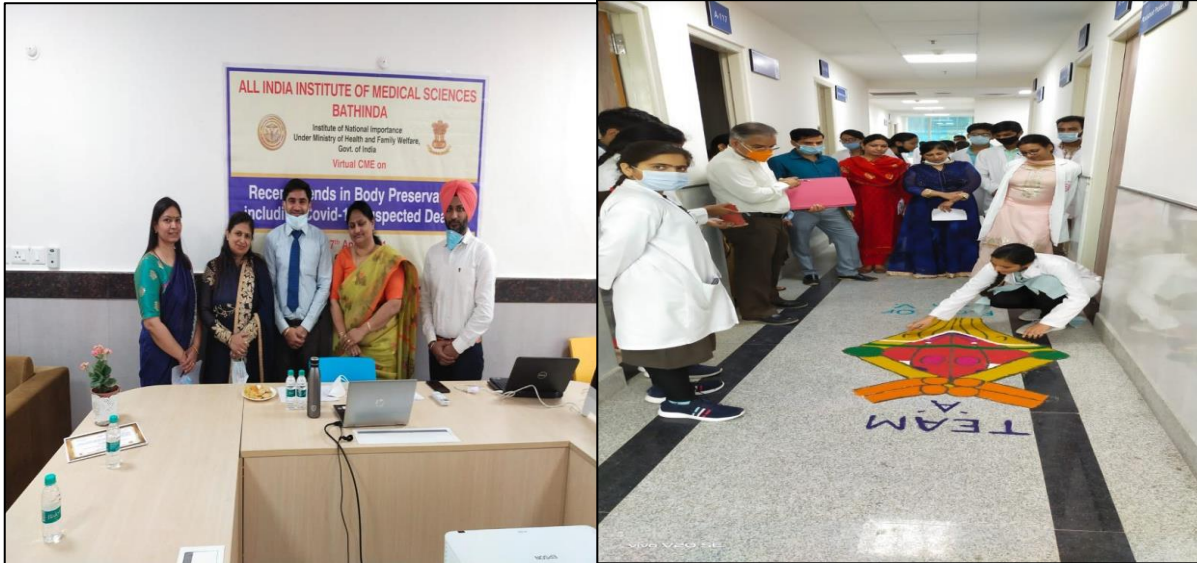
Number of Conference Organized - Joint Organizing Secretary “virtual CME cum updates on Recent trends in Body Preservation”

Number of Workshop Organized - Co-organizer “Rangoli contest based on drawings of anatomy” for MBBS first year students

- **Editorial Board member** of Acta Scientific Otolaryngology
- As Team Member Commencement of “Body donation Program” in the department
- **Reviewer of International Journals-** Anatomical science education; Surgical and radiological anatomy; Developing World Bioethics; Journal of Clinical and Diagnostic Research; Journal of Pediatric Intensive Care
- Participated in workshops organized by CMET of the institute “Designing Effective questions, Jigsaw teaching, SDL, E- learning tool”
- Co-organized various activities like Quiz, Mela, slogan, poster competition during “Vigilance Awareness week” in 2020 & 2021
- Co-organized indoor-games during Sports week in the Institute, Nov 2021

Dr. Vandana Tiwari

Participated in hands –on training workshop on “SELF DIRECTED LEARNING” organized by centre for medical education and technologies, AIIMS Bathinda, Punjab.



Anatomy/01- CME on “Recent trends in body preservation including Covid-19 suspected deaths” has been conducted on 27th April 2021

Anatomy/02- Celebration of World Anatomy day -Rangoli contest based on the drawings of Anatomy was organized for the first year MBBS Students batch 2020-2021.



Anatomy/03- Official Inauguration of the ‘Deh Daan Maha Daan’ - Body Donation Program



Anatomy/04- Facilitation of relatives of first body donor



Anatomy/05- Cadaveric Oath ceremony in March 2022 in the



Anatomy/06- Cadaveric dissection has been started in the Department



Anatomy/07- Histology Lab Made Functional



Anatomy/08- Setting up of Museum



Anatomy/09- Setting up of Museum

**DEPARTMENT OF BIOCHEMISTRY**

Name of the Department	Biochemistry
Head of the Department	Dr. Gitanjali

I. Faculty Details:

S.No	Name of faculty	Designation	Date of Joining
1	Dr. Gitanjali	Professor and Head	17-12-2021
2	Dr. Monica Kakkar	Additional Professor	11-12-2021
3	Dr. Sanjay Kumar	Associate Professor	13-08-2019
4	Dr. Saket Sinha	Assistant Professor	09-09-2019
5	Dr. Himanshu Sharma	Assistant Professor	14-08-2019
6	Dr. Rajani	Assistant Professor	14-08-2019

II. Brief Introduction of the department:

The Department of Biochemistry has six faculty members for providing Teaching par excellence- With the 2021Batch joined recently the Department infrastructure is ready for practical classes. The schedule has been made according to competency based Medical Education with incorporation of skill based learning, ECE, Integrated teaching and SDL.

The Department is providing OPD Diagnostic services and almost all routine blood Biochemistry investigations are being done.24X7 STAT lab will be functional soon for IPD and emergency patients. Besides this immunoassay based Hormonal profile, tumour markers and vitamins will be started soon.

Departmental Research lab are ready and equipped with basic research equipments and many sophisticated instruments are to be inducted as soon as possible. Two funded projects and two STS projects are going on/completed. Besides this Clinical Biochemistry and Research facility is ready for spectrophotometric investigations

III. 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
International conferences				
1	Dr. Himanshu Sharma	Role of laboratory medicine in emerging and re-emerging infection	47th annual conference of association of clinical biochemist of India.	Association of clinical biochemist of India.



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Himanshu Sharma	Frequency of Y chromosome microdeletion in Indian infertile males	32 nd annual meeting of the ISSRF. 11-13 Feb 2022	Indian society for study of reproduction and fertility
2	Dr. Himanshu Sharma	Role of Extracellular vesicles in HIV Infections: From Immunopathogenesis to Therapeutic	Invited speaker in a national webinar series	Organised by IAMBSS and Maharishi Markandeshwar university

IV. Faculty achievements –awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Monica Kakkar	President	ACCLMP Punjab state chapter	ACCLMP
		Central Executive member	ACCLMP Punjab state chapter	ACCLMP
2	Dr. Saket Sinha	Elected to the Executive Committee as Chairperson, Corporate Affairs	Punjab State Chapter	ACCLMP (Association of Clinical Chemists and Laboratory Medicine Practitioners)
3	Dr. Rajani	Chairperson, Student & Academic affairs	1 st GB of ACCLMP-Punjab State Chapter	ACCLMP (Association of Clinical Chemistry and Lab Medicine Practitioners)

V. Research activities undertaken in the department:

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

Project Sanctioned with amount (Pl. mention the amount only)

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

Number of Project undergoing with the name of Funding Agency



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	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	40,28,640/-
2	Dr. Himanshu Sharma	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	17,00,000/-
3	Dr. Saket Sinha (Mentor) Ms. Priya Garg (Student fellow)	Assessment of the obesity profile of Chronic Kidney Disease (CKD) biomarkers in prediabetes and early diabetes mellitus: A pilot study	Institutional support (AIIMS Bathinda) STS Project sanctioned by ICMR	Completed	----
4	Dr. Himanshu Sharma Assistant Professor	Predicting most Effective highly Active antiretroviral therapy (HAART) against HIV drug resistance variant prevalent in Indian HIV positive population: An in-silico drug Repurposing approach	Under ICMR STS scheme	Approved	----
5	Dr. Rajani, Assistant professor	Perceived concerns regarding COVID-19 vaccination and its experience amongst vaccinated groups- A survey-based cross-sectional study	Intramural	Completed	Nonfunded



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
6	Dr. Rajani, Assistant professor	To start testing and treatment for Haemoglobinopathies and Hemophilia.	Extramural	Ongoing	Funded by MoHFW.
		A prospective study to evaluate Anaemia as Disease burden in Geriatric patients at a tertiary care centre in Punjab-Non-funded Project.	Dr. Rajani, Assistant professor	Ongoing	Nonfunded
Projects submitted					
1	Dr. Gitanjali	To predict the risk of metabolic syndrome using Data visualization viz artificial intelligence	ICMR	Submitted	17,89800/-
2	Dr. Sanjay Kumar	Expression Analysis of Blood Derived Exosomal miRNA from ER+or PR+ /HER2 and TNBC Breast Cancer	ICMR	Submitted	49,50,724/-
3	Dr. Sanjay Kumar	Therapeutic Potential of Exosome Derived Pharmacological Preconditioned Mesenchymal Stem Cells against Ischemic/Reperfusion Injury in Myocardial Infarction	DHR- ICMR Government of India	Submitted	49,85,400/-
4	Dr. Himanshu Sharma Assistant Professor	Extracellular vesicle mediated induction in pro-inflammatory response leading to pulmonary endothelial dysfunction in cystic fibrosis patients	Extramural (ICMR)	Approved	

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

Detail of Paper published with indexing database

- Mitri C, **Sharma H**, Corvol H, Tabary O (2021). TMEM16A/ANO1: Current Strategies and Novel Drug Approaches for Cystic Fibrosis. Cells. 2021 Oct 24;10(11):2867. (Impact factor 7.6)



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- **Sharma H**, Sharma U, Kumar S, Kumar Singh S, Prasad R (2021). Prevalence of Y chromosome microdeletion in north Indian infertile males with spermatogenesis defect. Journal of Genetics. 2021; 100:39. (Impact factor 1.5)
- Ahirwar A, Kaim K, Ahirwar P, **Kumawat R**. The second wave of COVID-19 results in outbreak of mucormycosis: diabetes and immunological perspective. Hormone Molecular Biology and Clinical Investigation. 2021; Dec. 16; PMID: 34908254
- Misra S, Ahirwar A, Sakarde A, Kaim K, Ahirwar P, Jahid M, Sorte S, Lokhande S, Kaur A, **Kumawat R**. COVID-19 infection in pregnancy: a review of existing knowledge. Hormone Molecular Biology and Clinical Investigation. 2022; Feb. 16; PMID: 35172416

VII. Detail of Book published with indexing database

Kumar S. Stem Cell & Regenerative Medicine as Editor of Book (SPRINGER, under review)

VIII. According to Google Scholar database

1. Number of citations 702
2. i10 index 23
3. h-index 24

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

Training activities conducted-

- Sensitization program for PG residents was conducted to make them aware of Preanalytical, Analytical and post analytical errors in Biochemistry Investigations
- **Quality In Quality Out – Common Errors and Remedies in Biochemistry Diagnostics** on 28th March 2021.



Biochemistry/01



Biochemistry/02



Biochemistry/03



DEPARTMENT OF BURNS & PLASTIC SURGERY

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

I. 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

II. 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, gynaecomastia correction, and scar revision is being done. Minor surgical procedure room has being 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 applied for approval of admission for One M.Ch. superspeciality seat per session (semester) and post doctoral certificate course (PDCC) two seats per year.

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

Number of Papers presented in National Conference – 01



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. M Altaf Mir Associate Professor	Optimization of wound	ON 26 th NOVEMBER 2021.	Department of Burns & Plastic Surgery AIIMS Bathinda

IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. M Altaf Mir Associate Professor	Cureus Laureate Award	23 rd March 2022	The Cureus Journal of Medical Science, USA

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

Book Chapter

- **Mir M A** , lokesh arora and vishal mago SPONTANEOUS GALLBLADDER PERFORATION NEW FRONTIERS IN MEDICINE & MEDICAL RESEARCH VOLUME 3 CHAPTER 11, PAGE 92 – 101 AUGUST 2021 <https://doi.org/10.9734/bpi/nfmmr/v3/3486F> print ISBN : 978-93-91473-93-8 BP INTERNATIONAL PUBLISHER (**Mir M A** 1ST & corresponding author)

Paper Published

- **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. 2021 Apr 21:15347346211002367. (Mir MA 1ST & corresponding author)
- **Mir MA**, Praveen AJ, **Maurya RK**. Free vascularized supraclavicular autologous heterotopic lymph node transfers without skin paddle for lymphedema lower limb. International Journal of Applied and Basic Medical Research. 2022 Jan;12(1):57. (**Mir M A** 1ST & corresponding author, **Maurya RK** 3RD author)
- **Mir MA**, Chattopadhyay D, Manohar N, Vathulya M, Mago V, Kapoor A, Rao N. The COVID-19 pandemic impact on clinical load of plastic and reconstructive surgery in a tertiary care hospital of north India: A retrospective comparative analysis. Journal of Education and Health Promotion. 2022 Jan;11. (**Mir M A** 1ST & corresponding author)



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- **Mir MA**, Nath A, **Maurya RK**. Photogrammetric Anthropometry to Determine the Female Waistline. Cureus. 2022 Jan 31;14(1). (**Mir M A** 1ST & corresponding author, **Maurya RK** 3RD author)
- **Maurya R**, **Mir MA**, Mahajan S. Various Options for Scrotal Reconstruction: A Prospective Observational Study. Cureus. 2022 Feb 27;14(2). (**Mir M A** 2ND & corresponding author, **Maurya RK** 1ST author)
- Patil V, Sarkar B, **Mir MA**, Azam Q, Uniyal M, Kumar A, Mago V, Jagne N, Goyal D, **Maurya RK**. Immediate Versus Late Flap Coverage for Traumatic Soft Tissue Defects of Lower Extremity: A Comparative Observational Study. Cureus. 2022 Mar 3;14(3). (**Mir M A** 3RD & corresponding author, **Maurya RK** 10TH author)
- **Mir MA**, **Maurya R**, Parkash O, Kaushal G, Rakesh NR. Harmonic Lingual Frenotomy for Ankyloglossia: A Newer Novel Technique. Cureus. 2022 Mar 16;14(3). (**Mir M A** 1ST & corresponding author, **Maurya RK** 2ND author)

S. No.	Parameter	Dr. M Altaf Mir Associate Professor	Dr. Rajesh K Maurya (Assistant Professor)
1.	Research papers	47	14
2.	Book/Book chapter	1	-
3.	Number of citations	143	6
4.	i10 index	7	-
5.	h-index	3	2

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

A. Notable Surgeries by Department of Burns & Plastic Surgeries



Burns & Plastic Surgery/01



Burns & Plastic Surgery/02



Burns & Plastic Surgery/03



B. Number of Conference Organized – 01

SIGNIFICANT EVENT
DEPARTMENT OF BURNS & PLASTIC SURGERY

DEPARTMENT OF BURNS AND PLASTIC SURGERY ORGANIZED A CME & WORKSHOP ON WOUND CARE ON 26TH NOVEMBER 2021 (PRESIDENT ASSOCIATION OF PLASTIC SURGEON OF INDIA ALSO ATTENDED)



C. Number of Workshop Organized – 01

SIGNIFICANT EVENT
DEPARTMENT OF BURNS & PLASTIC SURGERY

DEPARTMENT OF BURNS AND PLASTIC SURGERY ORGANIZED A CME & WORKSHOP ON WOUND CARE ON 26TH NOVEMBER 2021



**DEPARTMENT OF COMMUNITY AND FAMILY MEDICINE**

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

I. Faculty Details:

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

II. Brief Introduction of the department:

The department aspires to develop an Integrated Resource Centre for teaching, patient care and research with a focus on preventive and promotive health care. It envisages to develop a policy framework based on evidence-based medicine and research to address key public health issues or diseases. Through our field practice areas and Rural and Urban Health Training Centres, at Badal and Beant Nagar respectively, we provide holistic patient care, case-based learning, family adoption, curriculum teaching, training of undergraduate students. 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.

III. 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
International conferences				
National conferences				
1	Dr. Ramnika Aggarwal	CHAIRPERSON	24 th IAPSM-NZ 2021 ORAL SESSION	SGRD Amritsar
2	Dr. Ankita Kankaria	Care pathways and current practices of Diabetic Retinopathy	RCOphth Annual Congress 2021,	RCOphth Annual Congress 2021,



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
		Screening in public health facilities: a pilot study from northern India	Virtual Meeting, 24-27 May 2021.	
3	Dr. Madhur Verma	Awareness regarding the anti-tobacco laws and perceptions regarding interventions for effective tobacco control among young adults of Haryana, India	National Conference on Tobacco or Health, 25- 27 Sept 2021	PGIMER Chandigarh
4	Dr. Soumya Swaroop Sahoo	Past research on smokeless tobacco: "A citation analysis" of top fifty cited articles.	National Conference on Tobacco or Health, 25- 27 Sept 2021	PGIMER Chandigarh

IV. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc	Status	Budget
Projects sanctioned					
1	Dr. Rakesh	Prioritizing hypertension control and care by strengthening primary health care	----	Ongoing	----
2	Dr. Rakesh	Exposure to Second-hand smoke an elapsed risk factor for COVID-19 Infection- Multicenter case-control study with AIIMS Gorakhpur	----	Ongoing	----
3	Dr Ramnika	Myths and Beliefs about Cancer causation and prevention: A cross-sectional study	intramural	Ongoing	----
4	Dr. Ramnika Dr. Madhur	Effect of advertisement on nutritional products on purchases and consumption choices made by the school-going children and their parents – Initial assessment from Punjab, India	intramural	completed	----
5	Dr. Ankita Kankaria	Assessment of Health Status, Psychological Profile and Lifestyle Habits	----	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc	Status	Budget
		of Indian medical graduate students in a tertiary care institute in north India			
6	Dr. Ankita Kankaria	Study on experience and psychological health of health care providers engaged in COVID 19 care in health facilities in India	----	Completed	----
7	Dr. Madhur Verma	Mapping the of febrile illnesses hotspots in Punjab from 2010 to 2019	----	Completed	----
8	Dr. Madhur Verma	Feasibility of using artificial intelligence to ensure social distancing measures in a health care institute of North India	----	Ongoing	----
9	Dr. Madhur Verma	Implementation of PPH bundle in the districts of Punjab	----	Ongoing	----
10	Dr. Madhur Verma Dr. Soumya Swaroop Sahoo	Setting up of Science Technology Innovation (STI) Cell at AIIMS Bathinda for vulnerable population	----	Completed	----
11	Dr. Soumya Swaroop Sahoo	Validation of the Indian (Hindi) version of the Life-Space Assessment in community-dwelling older adults	----	Ongoing	----
12	Dr Soumya Swaroop Sahoo	Determinants of medication adherence in hypertensive patients: A hospital based cross sectional study in North India	----	Completed	----
Projects submitted		Establishment of Population Based Cancer Registry in the Bathinda District of Punjab, India (Technical support: Tata Memorial Hospital, Mumbai)	----	Ongoing	
1	Dr. Rakesh Kakkar	Community CPR collaborative initiative (American Heart Association and All India Institute of Medical Sciences, Bathinda)	----	Ongoing	
		Patient safety Implementation Research and Patient Safety (IRAPS)		Ongoing	



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc	Status	Budget
		Collaborative research between INIs			
		Occupational Health Hazards among Beedi Rollers in India– A Mixed-Methods Approach"	----	sanctioned	----
		"Project Breathe" Bloomberg Initiative to Reduce Tobacco Use Project (ID: INDIA-30-18) with AIIMS Gorakhpur	----	Submitted	----
		Project "Healthy Food for All" with AIIMS Rishikesh	----	----	----
2	Dr. Madhur	A novel agent-based model to predict COVID-19 infections	----	----	----
		Strengthening Midwifery services at NMTIs	----	----	----
3	Dr. Ankita	Study on multiple long term chronic conditions among pregnant women in a rural block of Punjab, North India	----	----	----
4	Dr. Soumya	Scaling up partner testing of index PLHIV in Bathinda district: A pragmatic trial	----	----	----

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

Detail of Paper published with indexing database

- Shankar S, Jamir L, **Kakkar R**, Babji K, Mangayarkarasi V, Tripathi M, Tak H. 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. Journal of Family Medicine and Primary Care. 2022 Feb;11(2):480.
- Gupta A, Aravindakshan R, Sathiyarayanan S, Naidu NK, Santhoshi KN, **Kakkar R**. Validation of Gender Friendly Breastfeeding Knowledge scale among young adults. Journal of Preventive Medicine and Hygiene. 2021 Dec;62(4):E892.
- Jamir L, Tripathi M, Shankar S, **Kakkar R**, Ayyanar R, Aravindakshan R. Determinants of Outcome Among Critically Ill Police Personnel With COVID-19: A Retrospective Observational Study From Andhra Pradesh, India. Cureus. 2021 Dec 13;13(12).
- Goel N, **Aggarwal R**, Grover K, Kumar V, Singroha V, Goel S, Aggarwal M, Singh Goel K, Jain RB. Psychological Impact and Factors Associated with It in



COVID-19 Patients of a Designated COVID-19 Hospital. Available at SSRN 3633180. 2020 Jun 21.

- **Kankaria A**, Narang R, Saxena A, Ramakrishnan S, Desai A, Thangjam RS, Krishnan A. Determinants of Waist-to-Height Ratio and Its Relation to Hypertension among School Children in India: A Multicenter Study. *Indian Journal of Pediatrics*. 2021 Aug 18:1-7.
- **Kankaria A**, Duggal M, Chauhan A, Sarkar D, Dalpath S, Kumar A, Dhanjal GS, Kumar V, Suri V, Kumar R, Kumar P. Readiness to Provide Antenatal Corticosteroids for Threatened Preterm Birth in Public Health Facilities in Northern India. *Global Health: Science and Practice*. 2021 Jul 26.
- **Kankaria A, Sahoo SS, Verma M**. Awareness regarding the adverse effect of tobacco among adults in India: findings from secondary data analysis of Global Adult Tobacco Survey. *BMJ open*. 2021 Jun 1;11(6):e044209.
- **Nath B**, Gupta SD, **Kankaria A**, Kumari R. Cardiovascular morbidity, quality of life, and cost of care among diabetic patients: A comparative study from a Tertiary Care Hospital of Uttarakhand, India. *Indian Journal of Community Medicine: Official Publication of Indian Association of Preventive & Social Medicine*. 2021 Jul;46(3):459.
- Testi I, Aggarwal K, Jaiswal N, Dahiya N, Thng ZX, **Kankaria A, et al**. Antiviral Therapy for Varicella Zoster Virus (VZV) and Herpes Simplex Virus (HSV)-Induced Anterior Uveitis: A Systematic Review and Meta-Analysis. *Front Med (Lausanne)*. 2021 Jul 2;8:686427. doi: 10.3389/fmed.2021.686427. PMID: 34277661; PMCID: PMC8284188
- Grover S, **Verma M**, Singh T, Dahiya N, Nehra R. Screening for Abuse of Older Adults: A Study Done at Primary Health Care Level in Punjab, India. *Indian J Psychol Med*. 2021 Jul;43(4):312–8.
- Chavan BS, Sidana A, Arun P, Rohilla R, Singh GP, Solanki RK, et al. Factors Leading to Reverse Migration Among Migrant Workers During the COVID-19 Pandemic: A Multicenter Study From Northwest India. *Prim care companion CNS Disord*. 2021 Jun;23(2).
- **Verma M**, Sharma N, Rashi, Arora V, Bashar MA, Nath B, et al. Diabetic Foot Care Knowledge and Practices in Rural North India: Insights for Preventive Podiatry. *J Assoc Physicians India*. 2021 Feb;69(2):30–4.
- Kendrick PJ, Reitsma MB, Abbasi-Kangevari M, Abdoli A, Abdollahi M, Abedi A, et al. Spatial, temporal, and demographic patterns in prevalence of chewing tobacco use in 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019. *Lancet Public Heal*. 2021 Jul;6(7):e482–99.
- Reitsma MB, Kendrick PJ, Ababneh E, Abbafati C, Abbasi-Kangevari M, Abdoli A, GBD Collaborator Group. Spatial, temporal, and demographic patterns in prevalence of smoking tobacco use and attributable disease burden in 204 countries and territories, 1990–2019: a systematic analysis from the Global Burden of Disease Study 2019. *Lancet*. 2021;6736(21):1–24.
- Goel S, Kar SS, **Verma M**, Sivanantham P, Naik BN, Gupta D. Evidence on article 5.3 of FCTC (tobacco industry interference in tobacco control activities) in India- a qualitative scoping study. *BMC Public Health*. 2021;21(1):1–17.



- **Verma M**, Sharma P, Khanna P, Srivastava R, Sahoo SS. Nutrition Status of School Children in Punjab, India: Findings from School Health Surveys. *J Trop Pediatr*. 2021 Jan 29;67(1).
- Kishore K, Jaswal V, **Verma M**, Koushal V. Exploring the Utility of Google Mobility Data During the COVID-19 Pandemic in India: Digital Epidemiological Analysis. *JMIR Public Heal Surveill*. 2021 Aug 30;7(8): e29957.
- **Verma M**, Das M, Sharma P, Kapoor N, Kalra S. Epidemiology of overweight and obesity in Indian adults - A secondary data analysis of the National Family Health Surveys. *Diabetes Metab Syndr Clin Res Rev*. 2021;15(4):102166. Collaborators M. Global, regional, and national progress towards Sustainable Development Goal 3.2 for neonatal and child health: all-cause and cause-specific mortality findings from the Global Burden of Disease Study 2019. *Lancet (London, England)*. 2021;398(10303):870–905.
- Kankaria A, Sahoo SS, **Verma M**. Awareness regarding the adverse effect of tobacco among adults in India: findings from secondary data analysis of Global Adult Tobacco Survey. *BMJ Open*. 2021 Jun;11(6): e044209.
- Garg P, Das M, Goyal LD, **Verma M**. Trends and correlates of intimate partner violence experienced by ever-married women of India: results from National Family Health Survey round III and IV. *BMC Public Health*. 2021 Nov;21(1):2012.
- Patro BK, Taywade M, Mohapatra D, Mohanty RR, Behera KK, **Sahoo SS**. Cost of Ambulatory Care in Diabetes: Findings from a Non-Communicable Disease Clinic of a Tertiary Care Institute in Eastern India. *Cureus*. 2022 Jan 13;14(1).
- Pattnaik JI, Ravan JR; Kumar, Padhy S, **Sahoo SS**; Kumar S, Rath A. Tofisopam as an alternative intervention in organic catatonia: An open label study. *Indian Journal of Psychiatry*: March 2022;64(3). doi: 10.4103/0019-5545.341494
- Kaur N, **Sahoo SS**, Chhabra HS, Kaur A, Singh N, Garg S. High-resolution chest computed tomography findings of coronavirus disease 2019 (COVID-19)—A retrospective single center study of 152 patients. *Journal of Family Medicine and Primary Care*. 2021 Oct;10(10):3753.
- Jindal HA, **Sahoo SS**, Jamir L, Kedar A, Sharma S, Bhatt B. Higher coronavirus disease-19 mortality linked to comorbidities: A comparison between low-middle income and high-income countries. *Journal of Education and Health Promotion*. 2021;10.
- Mohanty CR, Bellapukonda S, Mund M, Behera BK, **Sahoo SS**. Analysis of publication speed of anesthesiology journals: a cross-sectional study. *Brazilian Journal of Anesthesiology*. 2021 May 24;71:110-5.
- **Verma M**, Sharma P, Khanna P, Shrivastava R, **Sahoo SS**. Nutrition status of school children in Punjab, India: Findings from school health surveys. *J Trop Pediatr*. 2021 Nov 1; doi: 10.1093/tropej/fmaa068.

VI. Detail of Book chapter published with indexing database

- **Aggarwal R**. Adulteration of foods. Handbook of food borne illness;2021
- **Aggarwal R**. Clinics in Covid pandemic. 1st ed. Century publications. New Delhi;2021



- Parija PP, **Sahoo SS**. Multidisciplinary Skills of Primary care staff in Public Health. Steps towards achieving excellence in Community Medicine. Century Publishers. New Delhi 2021. 121-26
- Kaur N, **Sahoo SS**, Rana S. Advanced Magnetic Resonance Imaging (MRI) of Brain. Springer Publishers. 2022

Dr. Rakesh Kakkar

1. Number of citations received over Google Scholar - 584
2. i10 index over google scholar - 17
3. H-index over Google Scholar -12

Dr. Ramnika

1. Number of citations received over Google Scholar 101
2. i10 index over google scholar - 04
3. H-index over Google Scholar - 04

Dr. Ankita Kankaria

1. Number of citations received over Google Scholar - 310
2. i10 index over google scholar - 09
3. H-index over Google Scholar - 09

Dr. Madhur Verma

1. Number of citations received over Google Scholar 1005
2. i10 index over google scholar - 24
3. H-index over Google Scholar - 16

Dr. Soumya Swaroop Sahoo

1. Number of citations received over Google Scholar - 223
2. i10 index over google scholar - 08
3. H-index over Google Scholar - 09

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

Training activities:

Dr. Rakesh Kakkar:

- Organized Workshop on Research Methodology for PG Students as Convenor
- Organized (FOPL)National CME on World Obesity Day at AIIMS Bathinda Addressing Childhood obesity through Front of Package Label
- National Deliberation on Front of Package (FOPL) Labelling as an essential policy tool for reducing burden of Non-Communicable Diseases in India” at NAMS new Delhi with AIIMS Rishikesh as chairperson of scientific session.
- Panelist- Virtualworkshop on the topic of ‘Healthy Ageing: Vaccinating Adults above the age of 50 yrs’ : Feb 25 3-6 pm IST

Dr. Ramnika

- **Interactive GUEST SESSION** on the topic of ‘Nutrition for children in times of Covid’ for School children



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- **World Cancer Day:** Awareness on Risk-factors and Prevention of Cancer- at Senior Secondary School Jodhpur Romana
- Community Awareness and training session during **Breastfeeding week** at RHTC Badal
- Facilitated awareness activity on **Organ donation** at RHTC Badal
- Sensitization session on '**Vaccine hesitancy and Prevention of Covid-19**' among OPD patients
- **Nutrition week** celebration – awareness talk in OPD alongwith check-up of children of HITES labourers

Dr. Ankita Kankaria:

- As resource person for field visit to districts Bathinda and Tarn Taran, State of Punjab under Covid-19 and Continuity of NCD services project by AIIMS, New Delhi funded by WHO India Office

Dr. Soumya Swaroop Sahoo

- As a part of **State surveillance Team (SST) member**, conducted training on **HIV Sentinel Surveillance** and conducted a session as a part of Punjab Regional ToT of HRG sites surveillance among Punjab SACS site level training. Supervisory visit as SST member during HIV Sentinel surveillance 2021 at GH Malout, GH Abohar, Mansa.

VIII. Number of Workshop Organized

Dr. Rakesh Kakkar

- Organized Workshop on Research Methodology for PG Students as Convener
- Organized (FOPL).”National CME on World Obesity Day at AIIMS Bathinda Addressing Childhood obesity through Front of Package Label “

Dr. Ramnika Aggarwal

- **World No-Tobacco Day 2021:** Organized **Quiz** for Faculty; Slogan writing competition for students and **Poster competition** among security staff
- **CME- Vaccine preventable Diseases - WHO Surveillance programme under MOHFW**

Dr. Ankita Kankaria

- Co-organizer of National Webinar on Non-alcoholic Fatty Liver Disease (NAFLD): Population-level Strategies for Prevention with Institute of Liver and Biliary Sciences, New Delhi
- National CME under National Nutrition Week with the theme “Empowering vulnerable through Nutrition”

Dr. Madhur Verma

- **National CME “Management of Hypertension during the COVID Pandemic” on World Hypertension Day 17th May, 2021**
- Organised National CME on the topic “Addressing Childhood obesity through Front of Package Label (FOPL) on World Obesity Day” on March 4th, 2022



Dr. Soumya Swaroop Sahoo

- Organized AIDS day activities among truckers and high-risk groups at Truckers union office and high-risk groups with NGOs in Bathinda on 1st December, 2021

IX. Any other achievements in number

Dr. Ramnika Aggarwal:

- Attended 48th National conference **IAPSMCON 2021** at PGIMER Chandigarh
- NURSING Induction training sessions:** Organised **Hands-on Training sessions** for newly recruited nursing staff, including didactic lectures
- Nurses MODULE** preparation: Contributed actively in Capacity Building of Nurses in Covid time sponsored by **Motwani Foundation USA**
- Completed **Certificate course in BASIC HEALTH ECONOMICS** from SPH-PGIMER
- NBE-DNB QUESTION PAPER CONTRIBUTOR:** MCQ based Q-papers for NEET-PG
- Trained as **NMC ASSESSOR** for medical colleges
- Appointed as **External Examiner**-University Practical Examination in subject of community medicine at various Medical colleges in Haryana, Rajasthan and Himachal Pradesh.
- Active contribution **MBBS student's cultural** program- **AAROHA**, involved as Judge for Mask-making and Pencil drawing competition

Photographs:





ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ : ਡਾ. ਸਾਹੂ

ਏਡਜ਼ ਦੇ ਡਾਕਟਰਾਂ ਨੇ ਬਠਿੰਡਾ ਜ਼ਿਲ੍ਹੇ 'ਚ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ

ਪੁੱਤਰ ਪੁੱਤਰ, ਚੌਕਿਤਾ : ਵਿਸ਼ਵ ਏਡਜ਼ ਦਿਨ ਮੌਕੇ ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ।



ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ।

ਸੈਮੀਨਾਰ ਦੌਰਾਨ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੀ ਸੇਵਾ ਕੀਤੀ ਗਈ।
ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ। ਏਡਜ਼ ਡਾਕਟਰਾਂ ਨੇ ਚੌਕਸੀ ਹੀ ਏਡਜ਼ ਦਾ ਇਲਾਜ ਕਰਨ ਲਈ ਔਚਰਆਈਵੀ ਮਰੀਜ਼ਾਂ ਦੇ ਅੰਕੜੇ ਪੇਸ਼ ਕੀਤੇ।



**DEPARTMENT OF FORENSIC MEDICINE AND TOXICOLOGY**

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

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Akhilesh Pathak	Professor	13-12-2019
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

II. Brief Introduction of the department:**Mission:**

The Department of Forensic Medicine and Toxicology, AIIMS Bathinda is progressing with future mission of establishing a world class mortuary with in-house facilities of radiographic imaging equipped with performing virtual autopsy. Department is also striving to establish, state of the art laboratories such as Toxicology, Crime-scene, Anthropology, Histo-pathology and DNA within the department. Department is also planning to establish of one stop centre (OSC) for examination & evaluation in cases of sexual offences.

Teaching:

The department provides undergraduate teaching in forensic medicine and toxicology to the students of 2nd Professional MBBS (semester III, IV and V) as well as MD in F.M.T (Post Graduate). The purpose of teaching is to produce a physician who is well informed about medicolegal responsibilities in practice of medicine and efficiently make observations as well as inferring conclusions by logical deductions to set enquiries on the right track in criminal matters and connected medicolegal problems.

Patient related service:

Department is also providing the clinical forensic medicine work like preparation of Medicolegal report in cases of various type of medicolegal cases round the clock.

III. Patient care:**For departments engaged in clinical patient care:**

S. No	Category	Number
1.	Patients seen in OPD	NA
2.	Patients admitted in IPD	NA
3.	Teleconsultations	NA
4.	Procedures performed A. Major B. Minor	NA
5.	Any other special clinic/activity	Medico-Legal Reports Preparation for clinical Forensic cases.



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IV. 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. Ajay Kumar	To study Advanced Medical Directives of the serious COVID 19 patients admitted in AIIMS Bathinda: A retrospective study	national conference of IAFM	SGPGI, Lucknow
2	Dr. Ajay Kumar	Clinical Forensic Medicine - way forward	AIIMS Forensic Guild Conclave	AIIMS Bathinda
3	Dr. Ajay Kumar	Good Health and well being	Lovely Professional University	Lovely Professional University

V. Faculty achievements –awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Akhilesh Pathak (Professor)	Eminent Scientist award-2022	Drug Engineering	Adesh Vijendra institute of pharmaceutical sciences
2.	Dr. Ajay Kumar (Additional Professor)	Fellowship award 2021 (PAFMAT)	Annual Conference PAFMAT - 2021	Punjab academy of Forensic Medicine and Toxicology
4.	Dr. Rattan Singh (Assistant Professor)	Covid Warrior	2 nd Inter-departmental badminton tournament	Central Bank of India

VI. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Jyoti Barwa (Associate Professor)	Study of pattern of tattoos among adult population with substance abuse in Bathinda district.	Intramural	Ongoing	NA
2	Dr. Rattan Singh	Applicability of non-toxic	Intramural	Ongoing	NA



S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
	(Assistant Professor)	substances for visualization of latent fingerprint			

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

Book:

- OSCE and OSPE in Forensic Medicine – Innovation Publication.

Book chapters:

- Singh R, Aggarwal R, Bansal M, Barwa J, Das S. Study on Sex Differentiation by Foot Measurements in North Indian Population. New Frontiers in Medicine and Medical Research. 1ST ed. Vol. 14; 2021
- Barwa J, Singh R. Study on Estimation of Stature from Arm Span Using Regression Equation in Dehradun Region, India, New Frontiers in Medicine and Medical Research 1st ed. Vol. 14; 2021

Published Papers:

- Singh R**, Barwa J, Sekhon H, Aggarwal A, Stature Estimation by Carrea's Index in Dead and Live Subjects. Journal of Forensic Research Criminal Investigation (JFRCI), 2022; 3(1): 120-124.
- Barwa J, **Singh R**, Pradhan M, Overcoming the Challenges in Deaths by Intravenous Potassium Chloride: A Case Report. Asia Pacific Journal of Medical Toxicology, 2022; 11(1): 33-36.
- Singh P I, Kumar A, Singh A, Harish D, Weight and histopathological changes in pancreas in alleged suicide cases. Indian Journal of forensic and community medicine, 2021;8(2):67-71.
- Tripathi P, Singhal H, **Singh R**, Das S, Estimation of Sexual Dimorphism by Mesiodistal Dimension of Permanent Maxillary Incisors and Canines. Indian Journal of Forensic Medicine & Toxicology, 2021;15(2):552-558.
- Shandilya H, **Singh R**, Barwa J, Das S, Atal D, Mandibular Canine Index For Sex Determination. Odisha Medical Journal, 2021; 41(2): 11-16.
- Tripathi P, S Mansi, K Mansi, **Singh R**, Das S, Evaluation of Lip Prints and Its Association with Sex Determination and Blood Group in Adults. Indian Journal of Forensic Medicine & Toxicology, 2021; 15(2): 545-551.



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

1. Training activities conducted, surgeries, camps, etc.
 2. Number of Conference Organized - 2
 3. Number of Workshop Organized - 0
- **'Third Annual AIIMS Forensic Guild Conclave-2022'** was conducted in All India Institute of Medical Sciences, Bathinda, Punjab on 24th & 25th March 2022. The theme of this conclave was "Challenges in AIIMS: Overcoming" where AIIMS Forensic Faculties all over the India participated discuss their issues. Conclave aims was to delineate the problems & suggest possible solutions for executing new ventures in our respective institutes.
 - CME title: **DNA finger printing: past, present & future** held on 12th June 2021 in FMT department AIIMS Bathinda.

IX. Number of Thesis Supervised MD/MS - 1

- MD Thesis title: Estimation of facial soft tissue thickness by 3D CT in north Indian population for craniofacial reconstruction.

X. Any other achievements in number



PIC.01. FMT/01



PIC.01. FMT/02



PIC.01. FMT/03



DEPARTMENT OF DERMATOLOGY

Name of the Department	Dermatology
Head of the Department	Dr. Shivani Bansal

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1.	Dr. Shivani Bansal	Assistant Professor	11-03-2020

II. Brief Introduction of the department:

Department of dermatology started its clinical services after the inauguration of outpatient facility at AIIMS Bathinda on 23rd December 2019. The department has grown in last two years. Expansion of department is being done as

Minor OT room – This clinic runs in 2001 room. The department has started various minor procedures radiofrequency, woods lamp, platelet rich plasma therapy, platelet rich fibrin for ulcers, cryotherapy.

Major OT room – This clinic runs in room no 2010. Vitiligo surgeries, ear lobe repair, cyst excision, hair transplantation, nail surgeries, cosmetic procedures like chemical peels, botox and dermal filler are being done.

Leprosy Clinic - The clinic runs in room no 2113 1st floor OPD Block B.

STD Clinic - This clinic runs under NACO. The clinic runs in room no 2114 1st floor OPD Block B.

Phototherapy Clinic - The department has facilities for NBUVB phototherapy.

Academics and teaching: Department is actively involved in undergraduate teaching. From January 2022, department has started post graduate teaching (2 post graduate students per year).

Side Lab Room - The department of dermatology has facilities for dark room examination for woods lamp, dermatoscopy, laboratory services for taking smear for tzanck, KOH mount, gram staining in room no 2012.

IPD – The department has started daycare admissions and in-patient admission.

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

Number of Papers/Poster presented in National Conference - 02



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Shivani Bansal	Female pattern hair loss – cross sectional questionnaire based study”	Wodecon 2021	WDS/IDS
2	Dr. Shivani Bansal	Alopecia areata and DLE	National PG update-North South Zone 2021	Lady Hardinge Medical College, New Delhi
3	Dr. Shivani Bansal	MARSI, MASD, IAD	CME workshop on wound Care 2021	AIIMS Bathinda
4	Dr. Shivani Bansal	Nevus lipomatosis cutaneous superficialis-unusual site (Poster)	e-DERMACON 2022	IADVL
5	Dr. Shivani Bansal	Neonatal dermatoses	ASPD module	Asian Society of Pediatric Dermatology

IV. Faculty achievements –awards, honours etc

Dr. Shivani Bansal

1. Member of Outreach committee, ASPD 2021-22
2. Member of National Academy of Medical Sciences
3. Completed basic course in biomedical research in March 2022

V. Research activities undertaken in the department:

S. No	Name & designation of PI/Co-PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Shivani Bansal (PI)	Assessing quality of life, depression, anxiety, stress and stigma among caregivers of children with Atopic Dermatitis and its correlation with severity of atopic dermatitis	Intramural	Ongoing	Nil
2	Dr. Shivani Bansal (PI)	A clinico-epidemiological study of facial acanthosis nigricans and its association with	Intramural	Ongoing	Nil



S. No	Name & designation of PI/Co-PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		metabolic syndrome in Indian population			
3	Dr. Shivani Bansal (Co-PI)	Understanding the role of specific miRNA in psoriasis patients with immunological perspective	Extramural	Ongoing	----

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

- Kapoor P, Bansal S, Boparai AS, Kaur N, Brar AK, Khera U. Molluscum contagiosum localised to sites of superficial dermatophytosis. Indian J Dermatol Venereol Leprol. 2021 Sep-Oct;87(5):748. (Corresponding Author) (PUBMED)
- Kumar S, Kapoor P, Brar AK, Bansal S, Meena MK. Autoclavable metallic skin peeler: Novel modality for paring of callosities. J Am Acad Dermatol. 2021 Oct 30: S0190-9622(21)02723-7. (PUBMED)
- Bansal S, Sarkar R. Post inflammatory Hyperpigmentation. In: Sarkar R ed. Melasma a monograph. 3rd ed. Jaypee; 2021.p.93-103
- Sarkar R, Bansal S, Sethi S. Hydroquinone based therapies for melasma. In: Sarkar R ed. Melasma a monograph. 3rd ed. Jaypee; 2021.p.41-9.
- Bansal S, Brar A. Cutaneous manifestations and COVID 19. Sent
- Bansal S. Invitation of chapter (Laser hair reduction) in post graduate book of aesthetic
- Total Number of citations – 279
- i10 index – 6
- h-index – 8

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



DERMATOLOGY /01



DERMATOLOGY /02





DEPARTMENT OF DENTISTRY

Name of the Department	Dentistry
Head of the Department	Dr. (Prof.) Satish K Gupta

I. Faculty Details:

S.No	Name of faculty	Designation	Date of Joining
1.	Dr. Satish K Gupta	Professor and Head	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	04-11-2019

II. Brief Introduction of the department:

Mission:

We aim to provide provision of optimal oral health care to all sections of the society while maintaining highest standards of ethics. We also encourage patient education and creating awareness regarding dental problems. We strive our best to provide excellent treatment to all sections of the society. We plan and continuously provide excellent infrastructure, learning resources required for quality education and innovations. We will foster specialty training and research in all disciplines of oral health sciences.

Teaching:

1. Undergraduate Teaching MBBS students.
2. Postgraduation Teaching:
3. MDS: Prosthodontics and Crown & Bridge.
4. MDS: Periodontics

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
5. **Periodontics:** Flap Surgeries, Root Coverage, Gingivectomy, PRP procedures, Implants, Laser, Microsurgeries
6. **Endodontics:** Root Canal Treatment, Vital Pulp Therapy, Esthetic Procedures, Veneers
7. **Pedodontics:** Pediatric Restorations, pulpectomy, crowns



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8. **Oral and Maxillofacial Surgery:** Impaction, cyst enucleation, Maxillofacial Trauma, TMJ

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

Number of Papers presented in International/National Conference 7

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
Paper Presented				
1.	Dr. Shailendra Singh Rana (Assistant Professor)	Surface scanned silicon impression approach for palatal volume measurement.	NAMSCON 2021, 26-28 Nov, held in BHU	National Academy of Medical Sciences
2	Dr. Lata Goyal (Assistant Professor)	Treatment of Gingival Recession associated with non-carious cervical lesion with and without PRF	19 th ISP PG Convention 28 th - 30 th May 2021	Indian Society of Periodontology
3	Dr. Lata Goyal (Assistant Professor)	Crown Fragment Reattachment technique- Case Series	3 rd National Conference on Indian Society of Dental Traumatology 16 th October, AIIMS Delhi	Indian Society of Dental Traumatology
4	Dr. Lata Goyal (Assistant Professor)	Treatment of gingival recession associated with cervical abrasion: Systematic Review and Meta-Analysis	45 th ISP National Conference ISP, Pune 21 st -23 rd October 2021	Indian Society of Periodontology
5	Dr. Lata Goyal (Assistant Professor)	Periodontitis and Diabetes: 2-way relationship	Poster Presentation Diabetes Awareness week 14 th -20 th November 2021 AIIMS Bathinda	AIIMS Bathinda
6	Dr. Tarun Kumar Singh (Assistant Professor)	Clinical management of delayed reimplantation of avulsed permanent central incisor	3 rd National Conference on Indian Society of Dental Traumatology 16 th October	Indian Society of Dental Traumatology
7	Dr. Tarun Kumar Singh (Assistant Professor)	Comparative evaluation of effect of different ph and mixing agents on compressive strength of Mineral Trioxide Aggregate	12 th IFEA World Endodontic Congress 2021-22	IACDE and IES



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
Lectures Delivered				
1	Dr. Shailendra Singh Rana (Assistant Professor)	A pilot study for calibration of panoramic image for posteroanterior cephalometric analysis	55th Indian Orthodontic Conference 2021, Amritsar	Indian Orthodontic society
2	Dr. Lata Goyal (Assistant Professor)	Ist National Perio quiz 2 nd August 2021	National Periodontal quiz 2021	Indian Society of Periodontology & SDC Lucknow
3	Dr. Lata Goyal	Guest Lecture on Management of Endo perio lesion 27 th Feb 2022	CDE	Indian Dental Association
4	(Assistant Professor)	Oral Hygiene in Hospitalised Patients	BSc Nursing programme	Punjab skill Development & AIIMS Bathinda
5	Dr. Lata Goyal	Hands on Training on Literature Search and review writing 2 nd Feb 2022	PG orientation Research Methodology Course	AIIMS Bathinda
6	(Assistant Professor)	Hands on Training concepts in Biostatstics 11 th Feb 2022	PG orientation Research Methodology Course	AIIMS Bathinda
7	Dr. Lata Goyal	Reporting Guidelines on research 17 th Feb 2022	PG orientation Research Methodology Course	AIIMS Bathinda
Conferences Attended				
1	Dr. Shailendra Singh Rana (Assistant Professor)	55th Indian Orthodontic Conference 2021, Amritsar		Indian Orthodontic society
2	Dr. Shailendra Singh Rana (Assistant Professor)	NAMSCON 2021, 26-28 Nov, held in BHU		National Academy of Medical Sciences
3	Dr. Lata Goyal (Assistant Professor)	19 th ISP PG Convention 28 th -30 th May 2021		Indian Society of Periodontology
4	Dr. Lata Goyal (Assistant Professor)	5 th Penn Periodontal Conference 25 th July -29 th July 2021, Philadelphia, Pennsylvania		University of Pennsylvania
5	Dr. Lata Goyal (Assistant Professor)	27 th National Conference of Indian Society of Oral Implantologist 2021 2 nd to 4 th July 2021		Indian Society of Oral Implantology



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
6	Dr. Lata Goyal (Assistant Professor)	3 rd National Conference on Indian Society of Dental Traumatology 13 th , 14 th and 16 th and 17 th October 2021		Indian Society of Dental Traumatology
7	Dr. Lata Goyal (Assistant Professor)	45 th ISP National Conference ISP, Pune 21 st -23 rd October 2021		Indian Society of Periodontology
8	Dr. Lata Goyal (Assistant Professor)	5 th National Conference on Tobacco or Health 25-27 th September at PGIMER Chandigarh		PGIMER Chandigarh
9	Dr. Lata Goyal (Assistant Professor)	IDA-FDI-CE Global continuing education \Program Virtual Conference 2021 4 th and 5 th Dec 2021		Indian Dental Association and Fedre Dental Internationale
10	Dr. Tarun Kumar Singh (Assistant Professor)	3 rd National Conference on Indian Society of Dental Traumatology 16 th October, AIIMS Delhi		Indian Society of Dental Traumatology
11	Dr. Tarun Kumar Singh (Assistant Professor)	12 th IFEA World Endodontic Congress 2021-22		IACDE and IES

IV. Faculty achievements –awards, honours etc

Number of Award/ Recognition Received (only from registered professional organization of national and international repute) 9

S. No	Name & designation of faculty	Award/honour	Event Organised by
1.	Dr. Shailendra Singh Rana (Assistant Professor)	Member of Faculty of Dental Sciences, MFDS RCPS (Glasg), (PID): 151280	----
		Member of National Academy of Medical Sciences, India.	NAMS
		Fellow Member of WFO.	----
		S. Ramachandran-national bioscience award for career development (in final stage)	----
2.	Dr. Lata Goyal (Assistant Professor)	Associate Fellowship World Clinical Laser Institute, USA	WCLI, USA
		Course Certificate: Introduction to Systematic Review for Dental Health Professional with 95%	NIE- ICMR
		Course Certificate: Stastical methods in Clinical Trials workshop conducted by ICMR, New Delhi March 2022	ICMR



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S. No	Name & designation of faculty	Award/honour	Event Organised by
3.	Dr. Tarun Kumar Singh (Assistant Professor)	American Academy of Cosmetic Dentistry (AACD)	AACD
		International Association for Dental Research	IADR

V. Research activities undertaken in the department

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Shailendra Singh Rana (Assistant Professor)	Volumetric upper airway analysis using 2-D Dimension cephalogram.	Extramural ICMR (9211)	Ongoing	22.36 L
		3D cephalometric analysis comparison in adult human subjects based on MRI and CT imaging modalities	Extramural SERB (114)	Ongoing	12.64 L
		Automatic 3D Cephalometric analysis using 3 Tesla Magnetic Resonance Imaging based on Artificial Intelligence (C0- PI)	Extramural ICMR(10018)	Ongoing	35.14 L
		A pilot study to derive the measurements of PA cephalogram image using orthopantomogram and Lateral cephalogram images by estimating the magnification.	Intramural	Ongoing	----
		Cervical Vertebrae Stage Prediction in Lateral Cephalogram using Reinforcement Learning Algorithms of Artificial intelligence.	Intramural	Ongoing	----
		Etiology of temporomandibular disorders in Malwa region of Punjab	Intramural	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		A novel approach to measurement of palatal volume in skeletal Class I, Class II and Class III subjects	Intramural	Ongoing	----
2	Dr. Lata Goyal (Assistant Professor)	Oral Health Status and oral health related quality of life in patients with metabolic syndrome: A cross sectional study	Intramural	Ongoing	----
		Treatment of gingival recession using conventional vs minimally invasive coronally advanced flap with platelet rich fibrin in thin gingival biotype	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- PI)	Intramural	Ongoing	----
3	Dr. Tarun Kumar Singh (Assistant Professor)	Retention of posts luted with a resin cement in canals obturated using a calcium hydroxide-based sealer – An invitro study	Intramural	Ongoing	----
		A comparative evaluation of intensity of post endodontic pain following single visit root canal treatment with manual, rotary and reciprocating	Intramural	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		instruments with two different irrigation methods: an in vivo study”			
Projects submitted					
5	Dr. Shailendra Singh Rana (Assistant Professor)	Development of Artificial Intelligence Algorithms for automatic landmarks detection on posteroanterior Cephalogram for asymmetry analysis	ICMR (2022- 16441)	Under Review	27
		Digital workflow with 3D repositioning splints in patients with temporomandibular joint disorders	DST (TPN / 75010)	Under Review	21
		Orthodontic 3D diagnosis from 2D cephalograms	DBT	Under Review	26
		Impact of Orthodontic Intervention on Holistic Health, Psychological and Physiological Wellbeing of Adolescents (PI-Dr. Snajeev, CU, Punjab)	ICSSR	Under Review	25.92
6	Dr. Tarun Kumar Singh (Assistant Professor)	Evaluation of the Nutrition Status, Oral Health Related Quality of Life (OHRQoL) and treatment need in Children of Malwa Region, Punjab, India.	Extramural	Under Review	----

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

1. Research papers - 10
2. Book/Book chapter - 11



Papers

- **Rana SS**, Prabhat KC. Cervical Vertebral Maturation Assessment with various Machine Learning techniques using Lateral Radiography: A systematic literature review and meta-analysis. (JOBCCR-D-21-00545, Accepted)
- **Rana SS**, Prabhat KC. 2D-to-3D: Computational Method for generating 3D cephalometric landmarks from Lateral and posteroanterior X-ray images (IEEE, TMI-2022-1501, Accepted)
- Abhishek G, **Rana SS**. A multilevel calibration method for the correction of non-linear magnification of Panoramic image for PA (Posteroanterior) cephalometric analysis: A pilot study. (SOCO-D-21-03965R1 - Accept)
- **Goyal L**, Reddy GS, Rao S, Agarwal P. Oral Inflammatory Myofibroblast Tumor. An Unusual Clinical Presentation Journal of Oral and Maxillofacial Pathology 2022; 26:S73-S76 PMID 35450239
- **Goyal L**, Chawla K. Efficacy of microsurgery in treatment of localized or multiple gingival recession: A systematic Review. J Oral Biol and Craniofacial Res 2021;11(2):237-244 PMID: 3366507
- **Goyal L**. Combining PRF with alloplastic bone substitute in Endo Perio Lesion. Restor Dent Endo 2021; 11:46(3) e 45 PMID :34513651
- **Singh TK**, Kumar M, Singh DP, Arshad E. COVID-19 (SARS-CoV-2) Impact: Guidelines for Indian Dental Surgeons during dental procedures current scenario and future prospective: A Systematic Review. Int J Health and Clin Res, 2021;4(5):11-15.
- Shah SN, Meena GL, **Singh TK**, Kumar M, Agnani S. Comparison of Colour Stability of Three Types of Provisional Prosthodontic Materials in Coffee and UV Light – an In vitro Study. Int J Cur Res Rev, 2021;12(13):82-87.
- Kumar M, **Singh TK**, Arshad E, Shukla AK, Elahi SM. COVID-19 as an Emerging Pandemic and its Implications in Dental Practice: A systematic review. Int J Health and Clin Res, 2021;4(9):246-248.
- **Singh TK**, Meena GL, Chaparral A, Kumar M, Jadhav P, Tripathi RM. Evaluate the Effect of Tapered Canal Preparation on the Retention of Posts Cemented with Resin Cement - An in vitro Study. Int J Cur Res Rev, 2021;13(14):224-29.

Books:

- Chawla K, **Goyal L**. Advances in Research and Future Directions. Nova Publisher, Inc, New York ISBN: 978-1-53619-042-7.
- Gupta A, Neelapu BC, **Rana SS**. "Computer-Aided Diagnosis (CAD) Tools and Applications for 3D Medical Imaging" which will be published by Elsevier Inc. USA (Accepted in 2021, In Press).
- **Rana SS**, Prabhat KC, Abhishek G. Three-dimensional Imaging for craniofacial applications. (Proposal accepted in Springer in March, 2022).
- Gupta A, **Rana SS**, Neelapu BC. Technologies in craniofacial imaging (Proposal accepted in Springer in Nov, 2021).

Chapters

- **Rana SS**, Sharan J. 3D printing and Oral health education. In: Chaudhari PK, Bhatia D, Sharan J. "3D Printing in Oral Health Science - Applications and Future Directions" which will be published by Springer Nature Switzerland AG, 2021 (In Press).



- **Goyal L**, Kumar N, Soni K, Gupta S. Impact of COVID on oral health (Accepted)
- **Goyal L**, Amritpreet K, Arshad E, KC Prabhat, Dhingra K. Dental Office Design and Layout. In Bhatia D Ed(s). A guide to Hospital Administration and Planning. 1st ed. Springer UK, 2022 (In Press)
- Mirza M, Goyal T, **Goyal L**. Barrier Free Healthcare design for patients with Disabilities. In Bhatia D Ed(s). A guide to Hospital Administration and Planning. 1st ed. Springer UK, 2022 (In Press)
- Chaudhari PK, Were E, **Goyal L**, Almerco KKA, Dhingra K. Advance applications of polymeric green composites in medical bioscience- Bone engineering. In: Innamudin Ed(s). Biomedical Applications of Green Composite 2: Therapeutic. 1st edition. Elsevier , 2022 (In Press)
- Chawla K, **Goyal L**. Precision Medicine in Dentistry. In Chawla K & Goyal L(eds). Advances in research and Future Directions Nova (USA), 2021 ;1: 51-99
- Chawla K, **Goyal L**. Applications of Nanomaterials in Dentistry In Chawla K &Goyal L (Eds). Advances in Research and Future Directions 1st edition. Nova (USA), 2021 ;1: 1-50.

Patents Filed

Dr. Shailendra Singh Rana

- Patent filed on Multistage and multiple calibration system and method for correction of non-linear magnification of image. (Application No. 202111010330 dated March 11, 2021).
- Patent filed on Method and system for generating three-dimensional template of a particular volume of an object. (Application No. 202111034866, 2021)

VII. Google Scholar Profile

Dr. Shailendra Singh Rana

Citations 78. h index 6. i 10 Index 2

Dr. Lata Goyal

Citations 362. h index 12 i 10 Index 14

Dr. Tarun Kumar Singh

Citations 64. h index 4 i 10 Index 2

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

Training activities/Workshop/conference conducted: 4

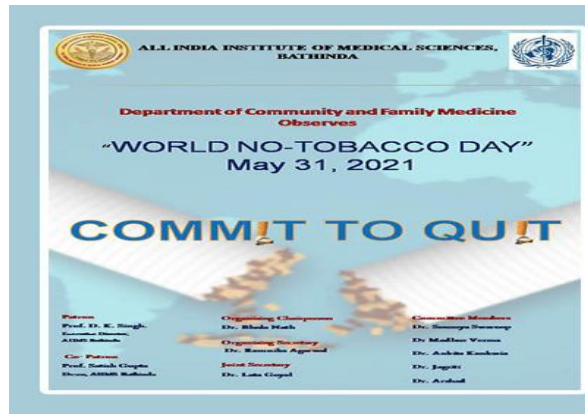
Dr Lata Goyal (Assistant Professor)	Organising Secretary	How to Write a Scientific Paper
	Organising Secretary	Swachhta week 2021
	Joint Secretary	World No Tobacco Day 2021
	Organising Team	Suicide Prevention Day



Dentistry 01

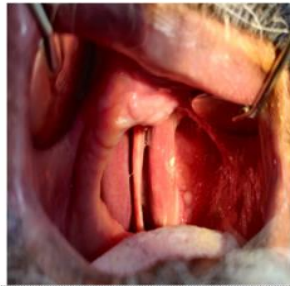


Dentistry 02



Dentistry 03

Prostodontics



Obturator



Dentistry 04



Fixed Prosthesis



Dentistry 05

Orthodontic Cases



Dentistry 06



Dentistry 07



Periodontics Cases



Dentistry 08

**Flap Surgeries
(Drug Induced)**

Dentistry 09

**Root Coverage with
PRF .**

Dentistry10

**Laser Frenectomy, with
Bone Grafting, Gingival
overgrowth). Laser
Vestibuloplasty.**

Endodontics



Dentistry 11

Root Canal Treatment followed by Cyst Removal

Number of Thesis Supervised MD/MS - 02

Prof. Satish GuptaGuide (MDS Prosthodontics)

- Evaluation of silicone soft reliner on the obturator prosthesis for different palatal defects after mucormycosis maxillectomy: Prospective Interventional Study



Dr. Lata Goyal. Guide (MDS Periodontics)

- Comparison between micro and microsurgical techniques for the treatment of localised gingival recession using coronally advanced flap and collagen matrix: randomised controlled split Mouth Trial

IX. Any other achievements in number: 1

Dr. Lata Goyal. Core Committee Member and Module Incharge for the Respiratory Therapist Course For Centre of Excellence Funded by Punjab Skill Development Mission

Source of Funding: Punjab Skill Development Mission.

**DEPARTMENT OF ENT**

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

I. Faculty Details:

S. 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

II. 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 near by 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.

III. 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

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Vikasdeep Gupta, Assistant Professor	Dermal nevus lipoma presenting as giant lipoma neck- an unusual presentation	10-21 Dec 2021	FHNO

IV. Research activities undertaken in the department:

- Number of Project Sanctioned with the name of Funding Agency 4
- Project Sanctioned with amount (Pl. mention the amount only) Nil
- Number of Project Submitted with the name of Funding Agency



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- Number of Project undergoing with the name of Funding Agency¹

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Vikasdeep Gupta, Assistant Professor	To evaluate oral cancer awareness among nursing officers of AIIMS, Bathinda	ICMR STS	Ongoing	INR 25,000
2	Dr. Vaibhav Saini Associate Professor	Prevalence of Otological disorders among school going children	Nil	Ongoing	Nil
3	Dr. Vaibhav Saini Associate Professor	Neuropsychiatric adverse effects of Monteleukast therapy in Allergic rhinosinusitis patients	Nil	Ongoing	Nil
4	Dr. Vikasdeep Gupta, Assistant Professor	Cervicogenic vertigo: Multidisciplinary assessment and evaluation	Nil	Ongoing	Nil
5	Dr. Vikasdeep Gupta, Assistant Professor	Age Related Hearing impairment: Association of Demography, Quality of life and cognitive impairment	Nil	Ongoing	Nil

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

Detail of Paper published with indexing database
Pubmed indexed

1. Kaur M, Chatterjee D, Aggarwal P, Saini V. Primary leiomyosarcoma of the thyroid gland. Indian J Pathol Microbiol. 2022 Jan-Mar;65(1):142-4.

VI. Detail of Book chapter published with indexing database

1. Essentials of rhinology- Springer

Verma, H. *et al.* Endoscopic Anatomy and Surgery. In: Verma, H., Thakar, A. (eds) Essentials of Rhinology. Springer, Singapore. 2021

1. Research papers - 01
2. Book/Book chapter - 01



3. Number of citations

Dr. Vaibhav Saini - 10
Dr. Vikasdeep Gupta
Dr. Nikhil Rajan - 05

4. i10 index

Dr. Vaibhav Saini
Dr. Vikasdeep Gupta
Dr. Nikhil Rajan - 00

5. h-index

Dr. Vaibhav Saini
Dr. Vikasdeep Gupta
Dr. Nikhil Rajan - 01

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

Training activities conducted, surgeries, camps, etc.
Number of Conference Organized- Nil
Number of Workshop Organized- 1

VIII. Case Discussion and postgraduate update programme

First update for postgraduates was conducted under the guidance of Dr. Naresh K Panda, HOD ENT, Head and Neck surgery, PGI Chandigarh in which postgraduates from all across Punjab participated. (Image ENT/01, ENT/02)

IX. Number of Thesis Supervised MD/MS - 02

X. Any other achievements in number - 04

XI. New patient care services started in the Department

1. Microscopic Laryngeal Surgery (MLS) for laryngeal lesions

The department has initiated MLS surgeries with the procurement of MLS instruments. Patients with diseases of the vocal cords and other laryngeal lesions can be successfully treated with this modality.

2. Brainstem Evoked Response Audiometry (BERA)

BERA services were started in the department with state-of-the-art BERA machine for early detection of hearing loss in neonates and children and for detailed objective audiometry of adults. (Image ENT/03)

3. Internship for BASLP Students

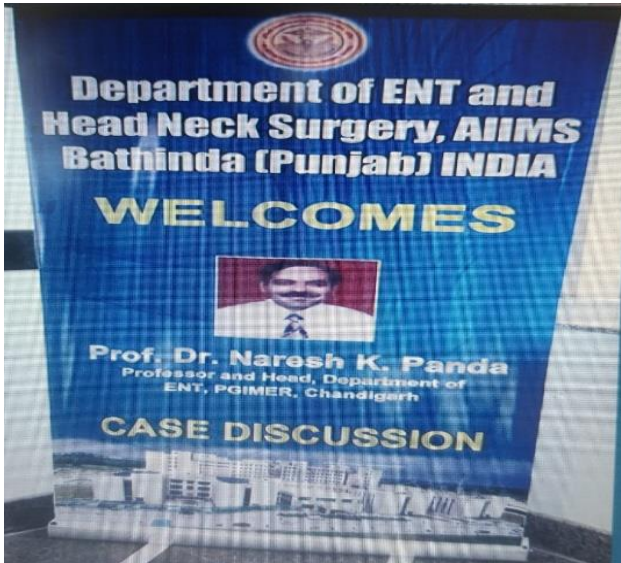
The department currently offers opportunity to BASLP students to pursue short duration internships to facilitate their training and boost their clinical acumen by providing exposure to a wide range of interesting and challenging clinical cases.



4. Training session for postgraduates

Training sessions for postgraduates were conducted by the department of ENT AIIMS Bathinda. Dr. Vaibhav Saini, Associate Professor and Dr. Vikasdeep Gupta conducted the sessions on Basic FESS and tympanoplasty respectively to the attending postgraduate students from the regional medical colleges.

KEEP THE PHOTOGRAPHS HERE.



ENT/01



ENT/02



ENT/03

**DEPARTMENT OF ENDOCRINOLOGY & METABOLISM**

Name of the Department	Endocrinology & Metabolism
Head of the Department	Dr. SATISH GUPTA

I. Faculty Details:

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

II. 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.

III. 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

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
1	Dr. Shivani Assistant professor	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

IV. Faculty achievements –awards, honours etc

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

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



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

V. Research activities undertaken in the department

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Shivani Assistant Professor	Comparison of intermittent fasting versus low caloric diet in non-diabetic obese subjects	Intramural	ongoing	Nil
2		Assessment of compliance with oral Calcium and Vitamin D and exploration of barriers for patients with Osteoporosis	Intramural	Ongoing	Nil
3		Effect of “coping strategies” on Diabetes distress- a hospital based randomized control trial	Intramural	Ongoing	Nil

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

Number of Conference Organized

Number of Workshop Organized

Training activities, camps - 03

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



VII. Number of Thesis Supervised MD/MS

VIII. Any other achievements in number

- 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
- 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.
- 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, 2021)



Department of Endocrinology and Orthopaedics





World Diabetes Day (Nov. 15,2021)

Access to diabetes care – if not now, when?

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



World diabetes week (16-18 Nov 2021)

Department of Endocrinology, Department of Gen. Medicine, Department of Ophthalmology and Department of Nephrology

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



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DEPARTMENT OF GENERAL MEDICINE

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

I. 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

II. Brief Introduction of the department:

As Department of General Medicine is backbone of any hospital, our department has been one of the key departments among all clinical specialties. The Department works with a vision of serving the patients with multitude of medical ailments. Faculty members have been working tirelessly to provide the most dedicated patient care, academic and research work, thereby contributing in making the institute center of excellence in all respect.

The department works with a vision of serving the patients with multitude of medical ailments. Faculty members have been working tirelessly to provide the most dedicated patient care, academic and research work, thereby contributing in making the institute center of excellence in all respect.

Clinical Services:

- **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.
- **TELEMEDICINE CONSULTATION:** Patients were given telemedicine consultation due to covid era. Patients were provided best high level of care and treatment at home itself through active listening and open-ended questioning in this covid era.
- **E-Sanjeevani:** e-sanjeevani services- SAFE HOME OPD National Teleconsultation services were provided to the patients in the covid era to reduce their hospital visits so that they can be safe at home.
- **FLU CLINIC:** At the beginning of the covid period duties were performed in the flu clinic to provide services to symptomatic cases of fever and as well as other positive patients.
- **IN PATIENT SERVICE:** COVID Ward had been successfully set up in 2020 with admission of COVID patients. Clinical duties in the COVID ward were performed



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followed along with the entire management of the COVID patients since the beginning of the ward.

- COVID VACCINATION CENTRE (AEFI): Identification of eligible beneficiaries and motivation for covid vaccination to all the patients was done. Beneficiaries were managed for any adverse events after vaccination.

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

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
National conferences				
1	Dr. Preeti Singh Dhoat	VITAMIN D- what's new	MAPICON 2022	MALWA API
2	Dr. Amandeep Kaur	'Non-Alcoholic fatty liver disease "Neurocysticercosis"	MAPICON Bathinda (16-19 September 2021). 25 th Annual conference of physicians of India-Rajasthan chapter on 15-16 November 2021	MALWA API
3	Dr. Niket Verma	'Preserving Mental Health Across Diabetes Mellitus Lifespan'. 'Post-Exposure Prophylaxis' at an organized by on World AIDS Day Faculty Development Programme on Mentoring Faculty Development Programme on Mentoring	DIABCON-2021 on 02 October 2021 HIV Symposium on 01 December 2021. Faculty Development Programme in March 2022 Faculty Development Programme in March 2022	Delhi Diabetic Forum Department of Medicine, Vardhman Mahavir Medical College & Safdarjung Hospital, New Delhi Government Institute of Medical Sciences, Greater Noida Atal Bihari Vajpayee Institute of Medical Sciences & Dr.



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
		<p>6. "Medi-Quiz & Best Quote Competition</p> <p>7. Free ECG camp, Free RBS Camp.</p> <p>8. WORLD TUBERCULOSIS DAY Awareness Program</p> <ul style="list-style-type: none"> • Organizing Committee Member <ol style="list-style-type: none"> 1. CME & Hands on Workshop on "Central Venous Cannulation" Organized by Department of anesthesiology and critical care, AIIMS Bathinda. 2. CME session of best practices in phlebotomy 7-8 December 2021. 3. AIIMS badminton championship 4. Workshop on Vaccine preventable Diseases Surveillance – 05 March 2021 • Organizing Executive Committee Member <ol style="list-style-type: none"> 1. Organ Donation Awareness Week 2. AIIMS Ultrasound Trauma and Life Support Courses for Nurses – in collaboration with WHO • Judge. <ol style="list-style-type: none"> 1. "Medi-Quiz & Best Quote Competition 2. Judged the Scientific Paper Presentation at the 8TH Annual Conference of the Association of Physicians of India (Malwa Branch) – MAPICON Bathinda-2021 16-19 September 2021. • Technical Advisor And Trainer <ol style="list-style-type: none"> 1. Respiratory Therapist Course – Ministry of Skill Development & Entrepreneurship. Govt of India through Punjab Skill Development Mission for 	MAPICON	<p>Organized by Department of anesthesiology and critical care, AIIMS Bathinda.</p> <p>AIIMS with WHO</p> <p>Malwa Branch, Bathinda</p> <p>Govt of India through Punjab, AIIMS Bathinda</p>



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
		<p>center of excellence at AIIMS Bathinda under SANKALAP Project of the Ministry.</p> <p>2. COVID 19 INTEGRATED HEALTHCARE TRAINING COURSE: Trainer course for COVID 19 Integrated Healthcare Training Course, conducted by distance education unit of Christian medical college, Vellore supported by TATA TRUSTS (Trainee No - T19004) -2021.</p> <p>3. Certified Covid Trainer under USAID funded RISE project (USAID RISE), JHPIEGO.</p>		Christian medical college, Vellore
	Dr. Amandeep Kaur	<p>Certificate courses</p> <p>1. HEALTH RESEARCH FUNDAMENTALS COURSE (by ICMR – National Institute of Epidemiology Certificate Course 2021).</p> <p>2. COVID 19 INTEGRATED HEALTHCARE TRAINING COURSE: Trainer course for COVID 19 Integrated Healthcare Training Course, conducted by distance education unit of Christian medical college, Vellore supported by TATA TRUSTS (Trainee No - T19004) -2021.</p> <p>3. BASIC COURSE IN BIOMEDICAL RESEARCH from ICMR -National Institute of Epidemiology Course 2022.</p> <p>4. Certificate of completion in recognition of successful completion of BASIC LIFE SUPPORT-BLS in accordance with ECC/ILCOR and AHA guidelines.</p> <p>5. Certified Covid Trainer under USAID funded RISE</p>		<p>Christian medical college, Vellore</p> <p>ICMR - National Institute of Epidemiology Course</p>



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
		3. Self-directed Learning 4. e-Learning Tools ❖ Best Quote 1 st prize – SwachhtaPakhwada 02 Oct 2021 ❖ Guest lecture 1. Delivered an online guest lecture on the topic 'Acute Complications in Diabetes Mellitus' for First Professional MBBS students of Chettinad Academy of Research and Education, Chennai on 30 October 2021. ❖ External Resource Faculty 1. Sensitization Session on AETCOM for Phase-1 MBBS Students at Government Institute of Medical Sciences, Greater Noida in March 2022 2. Sensitization Session on AETCOM for Phase-1 MBBS Students at Atal Bihari Vajpayee Institute of Medical Sciences & Dr. Ram Manohar Lohia Hospital, New Delhi in March 2022. ❖ Reviewer: IP Indian Journal of Immunology and Respiratory Medicine Journal of Education Technology in Health Sciences CHRISMED Journal of Health and Research Indian Pediatrics ❖ Dr. I. Sakuntala Devi Memorial Medal Best Innovation in Medical Education – AP MEDUCON 2021 ❖ 2nd Prize in Dr. B. Naganna Memorial Medal Best Faculty Research Poster – AP MEDUCON 2021		Chettinad Academy of Research and Education, Chennai Government Institute of Medical Sciences, Greater Noida ABVIMS& Dr. Ram Manohar Lohia Hospital, New Delhi AP MEDUCON 2021



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S. No	Name & designation of faculty	Award/honour	Event	Organised by

V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Preeti Singh Dhoat	<p>To Analyze the clinical profile of COVID-19 positive patients associated comorbidities, outcome & follow up of the patients for post COVID sequelae at tertiary care center in north India.</p> <ul style="list-style-type: none"> • To study the association of QTc interval and QTd dispersion in patients with uncomplicated metabolic syndrome. • Epidemiology and genetic diversity of Rickettsia pathogen causing human infection in Punjab and Chandigarh. • A study to evaluate mental health outcomes among COVID-19 in patients at a tertiary care hospital in Punjab. • A prospective study to evaluate Anemia Disease burden in Geriatric patients at a tertiary care Centre in Punjab. <p>Health related quality of life in patients with Epilepsy receiving Anti-Epileptic drugs in a</p>	NA	ONGOING	--



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		tertiary care teaching hospital in north India: A cross sectional study. <ul style="list-style-type: none"> • To study the prevalence, pattern, clinical spectrum, and demographic profile of congenital birth defects in a Tertiary care hospital in north India. • To study the correlation between Non-Alcoholic Fatty Liver Disease and Dyslipidemia at a tertiary care center in north India • Case of ambulatory care of diabetes and pathway of care among adult and diabetic patients in tertiary care institute of North India • Assessment of obesity profile of chronic kidney disease biomarkers in prediabetes and early diabetes mellitus: A pilot study. 			
2	Dr. Amandeep Kaur	<ul style="list-style-type: none"> • To study the association of Qtc interval and Qtd dispersion in patients with uncomplicated metabolic syndrome Prevalence of chronic mesenteric ischaemia in T2DM patients in north India: a hospital based cross sectional study Knowledge, Awareness and determinants of medication adherence in hypertensive patients: A hospital based cross sectional study in North India To evaluate the efficacy of new hematological parameters for screening 	NA	ONGOING	



S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		of the chronic obstructive pulmonary disease patients in tertiary care hospital Predicting 10year cardiovascular risk using WHO/ISG risk prediction chart in patients visiting AIIMS Bathinda Oral health status and oral health related quality of life in patients with metabolic syndrome a cross sectional study Impact of BLS Training on 1 st year MBBS students			
3	Dr.Niket Verma	Nil			

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

- 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
- 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.
- Kaur A, Dhoat PS, Kaur N, Verma M. Muscle Tuberculosis: A Diagnostic Challenge. Annals of RSCB. Accepted for publication.
- Kaur A, Dhoat PS, Upneja A, Kaur N. PUO: Can it be anti synthetase syndrome. International Journal of Health and Clinical Research, 2021;4(6):104-105.
- Poonia S, Singh K , Kaur A, Madhukar M, Kaur D, Godara R. Histopathological spectrum of CNS Tumors among rural population - A Single centre Experience. International Journal of Health and Clinical Research.2021;4(1):25-29.
- Kaur N, Chhabra HS, Kaur A. Retained surgical sponge in Abdomen- A Case Report. International Journal Of Scientific Research.2021;10(1):40-41.
- Kaur N, Sahoo S, Chhabra H, Kaur A. High resolution chest computed tomographic finding of coronavirus disease 2019 (covid-19) A retrospective single centre study of 15 patients. Journal of family medicine and Primary care: oct 2021 vol 10, issue 10, p 3753-3759.
- Kaur N, Kaur A, Chhabra H- Bull’s eye sign- A diagnostic clinch in COVID-19 pneumonia Mondii Archives for chest diesase 2022, volume 92:1908



- Aggarwal N, Verma N, Singh H. Student-led seminar as a teaching learning technique to introduce first year medical undergraduate students to self-directed learning. J Educ Technol Health Sci 2021;8(2):59-63.
- Thomas M, Verma N, Badyal DK. Online monthly discussion module of simulation-based teaching: Effect on knowledge. J Educ Technol Health Sci 2021;8(2):48-52.
- Arora S, Mahesh A, Mahesh NK, Verma N. Spectrum of malignancies among human immunodeficiency virus-infected patients at a tertiary level human immunodeficiency virus-anti-retroviral therapy center in a North Indian hospital. Indian J Sex Transm Dis 2021; 42:118-24.
- Banerjee P, Verma N, Mohan C, Rustagi SM, Nair BT, Rautela A. Listening between the lines: Introduction of a module for teaching nonverbal communication skills to MBBS students. Arch Med Health Sci 2021;9:264-9.
- Aggarwal N, Bansal N, Mahajan R, Verma N, Gupta M. Perception analysis of an early clinical exposure module in anatomy for first year undergraduate medical students in a North Indian medical college. J Educ Technol Health Sci 2021;8(2):26-32.

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

Training activities conducted,

- Camps- 03 (Fibroscan Screening camp, Free ECG Camp, RBS camp)
- Number of Conference Organized-

VIII. Number of Thesis Supervised MD/MS - 3

IX. Any other achievements in number

Dr. Preeti Singh Dhoat

- **Member**

1. Research cell
2. Medical Board
3. Infection control committee
4. BMW Management committee
5. Procurement committee
6. AIIMS VPD surveillance team
7. Selection committee subject expert for recruitments for recruitment of AP/SR/JR
8. Screening committee for applications of Medical Officers at Central University Punjab

- **Nodal Officer**

1. COVID AIIMS Bathinda
2. Thallasemia and Hemophiliastate blood cell National Health Mission Punjab

- **In-charge**

1. Junior Residents
2. Emergency Ward, COVID ward, Medicine Ward.
3. External examiner for undergraduate MBBS and BDS examinations.



Dr. Amandeep Kaur

- **Committee members**
 1. Member Library Committee
 2. Member skills lab committee

Dr. Niket Verma

- **Member**
 1. Centre for Medical Education and Technologies, AIIMS Bathinda
 2. Institutional Academic Integrity Panel, Adesh University, Bathinda
 3. Panel Member of the British Medical Journal User Advisory Panel for South Asia

FREE RBS Camp



Fibroscan Screening Camp



Free RBS Camp



CME's

1. Let's Talk about Dementia



2. World Diabetes Day



Medi Quiz





Tsunami of Heart Diseases.



**DEPARTMENT OF GENERAL SURGERY**

Name of the Department	General Surgery
Head of the Department	Dr. Mahendra Partap Singh

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1.	Dr. Mahendra Partap Singh	Additional Professor & HoD	11-04-2022
2.	Dr. Suresh Kumar Goyal	Associate Professor	16-08-2021
3.	Dr. Jaspreet Singh Shergill	Assistant Professor	20-12-2019
4.	Dr. Harmandeep Singh Jabbal	Assistant Professor	23-08-2021
5.	Dr. Amrit Pal Singh Rana	Assistant Professor	21-08-2021

II. Brief Introduction of the department:**Mission:**

The mission of the General Surgery department is to provide modern and advance surgical services to the patients, to provide outstanding clinical training in a strong academic environment, develop future academic leaders in Surgery through a commitment to their professional development and to create an environment that inculcates belongingness, respect, and value for all.

Vision:

The vision of the General Surgery department is to inventing the future of surgical care by healing through incomparable surgical skills and compassion, pioneering research, developing the next generation of leaders and to produce new information from its research programs which will contribute to the practical solutions and theoretical structure of future surgical practice.

III. 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
International conferences				
1	Dr. Harmandeep Singh Jabbal	“eTEP in Ventral Hernia”	Clinical Congress, 2021 held at Washington DC, USA	By American College of Surgeons



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S No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences				
4	Dr. Harmandeep Singh Jabbal	“Factors affecting wound healing”	Held at AIIMS, Bathinda on held at AIIMS, Bathinda on	AIIMS Bathinda

IV. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Suresh Kumar Goyal, Associate Professor (Co-PI)	Setting up of Science and Technology Innovation cell in AIIMS Bathinda for empowering SC community of Punjab” under the Punjab State Council for Science and Technology 2021 Setting up of Science and Technology Innovation cell in AIIMS Bathinda for empowering SC community of Punjab” under the Punjab State Council for Science and Technology 2021	Under the Punjab State Council for Science and Technology 2021	Ongoing	----
2	Dr. Jaspreet Singh Shergill, Assistant Professor (Co-PI)	To evaluate association of human papilloma virus infection in breast cancer in Malwa region of Punjab.	Intramural	Ongoing	----
3	Dr. Jaspreet Singh	“Effectiveness of combination of	Intramural	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/extramural etc (PI mention details)	Status (ongoing/completed)	Budget
	Shergill, Assistant Professor (PI)	Vit E and Evening Primrose oil vs placebo on severe periodic breast pain/cyclical mastalgia among premenopausal women: a double-blind randomized trial”			
4	Dr.Jaspreet Singh Shergill, Assistant Professor (Co-PI)	To study bio-chemical changes in male cancer patients.	Intramural	Completed	----
5	Dr.Jaspreet Singh Shergill, Assistant Professor (Co-PI)	National Cancer Registry	Intramural	Ongoing	----
Projects submitted					
6	Dr.Suresh Kumar Goyal, Associate Professor (Co-PI)	Exploring the diagnostic potential of a novel panel of proteomic exosomal urine biomarkers for non-invasive early clinical detection of Prostate cancer: A Cross-Sectional Study	STS, ICMR	----	----

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

Detail of Paper published with indexing database

Detail of Book published with indexing database

Papers:



- **Rana APS.** Expression of p53 and p16 in Carcinoma Breast Tissue: Depicts Prognostic Significance or Coincidence. *Cureus*. 2021;13(11):e19395. Published 2021 Nov 9. doi:10.7759/cureus.19395
- **Rana APS.** Circulating Long Non-Coding RNAs LINC00324 and LOC100507053 as Potential Liquid Biopsy Markers for Esophageal Squamous Cell Carcinoma: A Pilot Study February 2022 *Frontiers in Oncology* 12 DOI: 10.3389/fonc.2022.823953
- Prateek G, Himanshu P, Mahendra S, **Goyal S.** Functional and aesthetic outcome after ventral spatulation of urethra in partial penectomy. *Urologia Journal*. May 2021. (Impact factor- 0.833)
- **Goyal S,** Gupta S, Gupta S, Mithani M. Impact of social restrictions and lockdown due to Covid-19 on pediatric cancer care in developing countries. *J of Recent Trends in cancer research* 2021; 1(1):39-45.

For Journal: Name (as kakkarR), Title of study, Journal PubMed abbreviation (as Indian J Med Res.). Year month (as Oct)day;Vol (Issue):Page no.

For Book/ Chapter:

- **Book Chapter:** Papillary Neoplasm of Breast- Changing Trends in Diagnosis and Management, Global Women's Health, Zhengchao Wang, IntechOpen, DOI: 10.5772/intechopen.100115.

Example: Carlson BM. Human embryology and developmental biology. 3rd ed. St. Louis: Mosby; 2004.

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

1) SURGICAL SKILL LAB SETUP in the department

Number of Conference Organized - 00

Number of Workshop Organized - 05

- 1) Cme Operating Room Skills For N.O. – Basic Course
- 2) Hands-On Training Vacuum Assisted Breast Biopsy
- 3) Organ Awareness Week
- 4) Wound Care Workshop
- 5) Best Practices in Phlebotomy Workshop

VII. Number of Thesis Supervised MD/MS: - Three (being supervised)

VIII. Any other achievements in number: - Dr. Harmandeep Singh Jabbal, Nodal Officer for establishing National Emergency Life Support (NELS) skill center at AIIMS, Bathinda.



General Surgery/01 TRAINING HUBBER PORT & CHEMOPORT INSERTION



General Surgery/02 CME SUTURE & SURGICAL INSTRUMENTS ORIENTATION FOR PG STUDENTS & N.O.





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General Surgery/03 CME OPERATING ROOM SKILLS FOR N.O. – BASIC COURSE



General Surgery/04 ORGAN AWARENESS WEEK





Patron
Prof.(Dr.) D.K. Singh
Exec Director & CEO
AIIMS Bathinda



Co-Patron
Prof.(Dr.) Satish Gupta
Dean and Addl MS
AIIMS Bathinda

ADVISERS:



Prof. (Dr.) Akhilesh Pathak
Associate Dean (Examination)



Prof. (Dr.) Lajya Goyal
Associate Dean (Research)



Dr Bholu Nath
Addl Professor
Associate Dean (Academic)

Organizing Chairperson



Dr. Saurabh Nayak
Assistant Professor
Dept of Nephrology

Organizing Secretaries



Dr. Kawaljit Kaura
Associate Professor
Dept of Urology



Dr. Suresh Goyal
Associate Professor
Dept of Surgery

Organizing Committee :



Dr Niket Verma
Asst Professor
Dept of Medicine



Dr Madhur Verma
Asst Professor
Dept of CFM



Dr Amandeep Kaur
Assistant Professor
Dept of Medicine



Dr Rohit Bhowmik
Asst Professor
Dept of Pediatrics

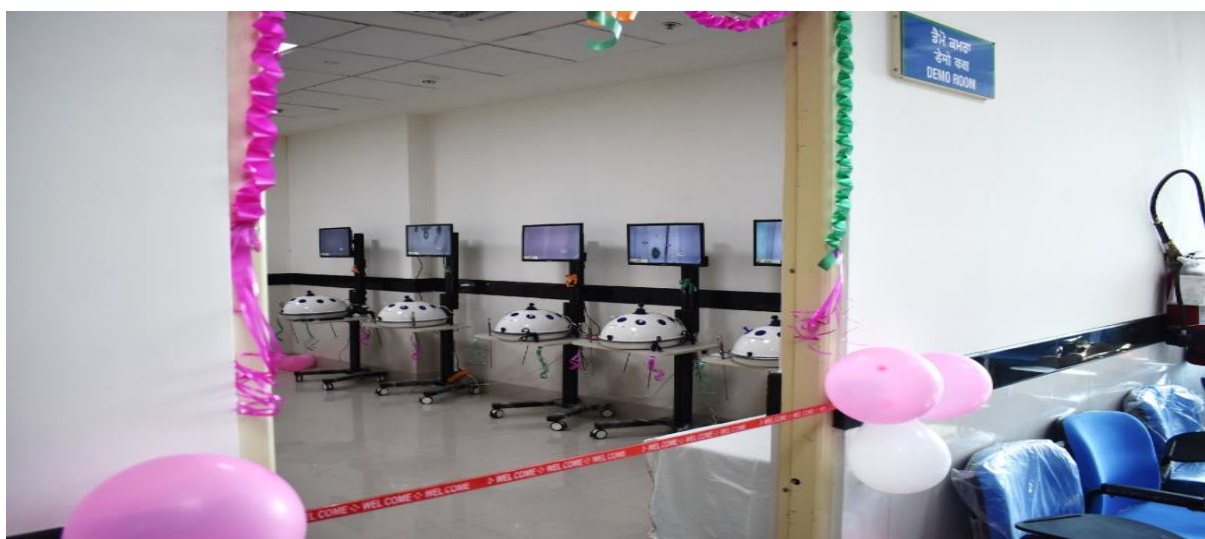
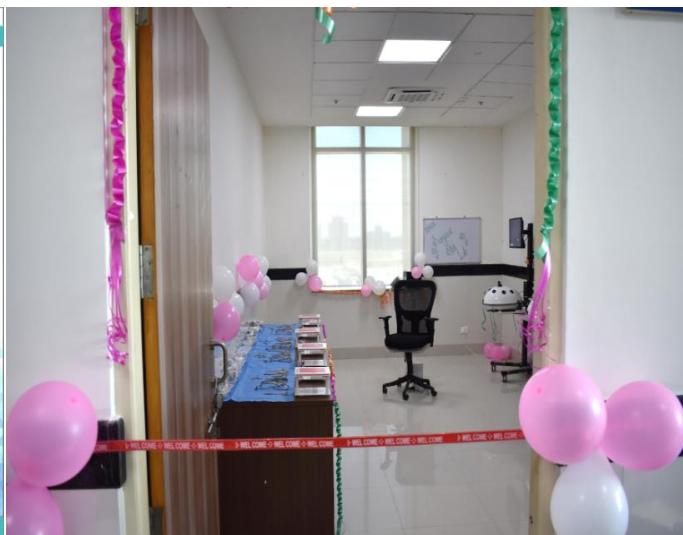
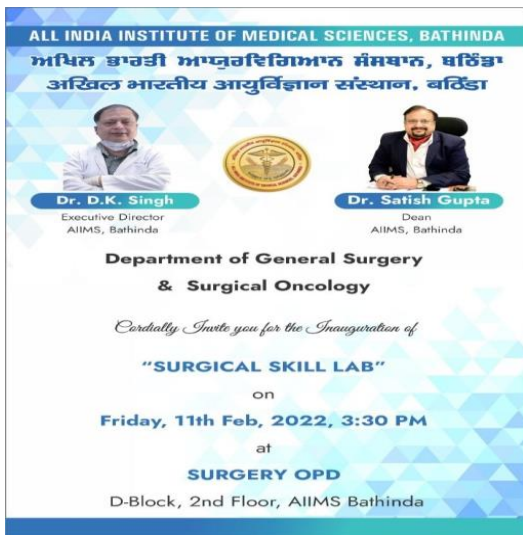
GeneralSurgery/05 HANDS-ON TRAINING VACUUM ASSISTED BREAST BIOPSY





GeneralSurgery/06

SURGICAL SKILL LAB SETUP



**DEPARTMENT OF OBSTETRICS & GYNAECOLOGY**

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

I. 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

II. Brief Introduction of the department:

The department has started with full-fledged Gynae OPD, IPD and operative services which includes both major and minor surgeries and aims to extend the scope of services by introducing minimal invasive surgeries in near future. The department is actively involved in setting up the obstetrics wing and is likely to commence the labour room and maternity services in a short span of time. The department is teaching MBBS batches from 4th semester to 7th semester as per NMC guidelines. The department has started with the Postgraduate course from January 2022 and since then department is actively involved in PG teaching. Department is actively involved in various research activities and received research grant for three funded projects from DST, PSCST and NASSCOM foundation.

III. 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	Panelist in happy learning master series	Happy learning master series:04-05-2021	Obs. & Gynaecology Society, Ludhiana
2	Dr. Lajya devi Goyal Prof. & Head	Lecture on pan India Endometriosis symposium with endometriosis committee	Pan India Endometriosis symposium with endometriosis committee. 29-05-2021	FOGSI & Obgyn Societies of Punjab
3	Dr. Lajya devi Goyal Prof. & Head	Lecture on importance of breast feeding for Global Health	Breast feeding awareness workshop 01-08-2021 to 07-08-2021	Deptt. Of Obs. & Gynaecology, AIIMS Bathinda



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
4	Dr. Lajya devi Goyal Prof. & Head	Lecture on PCOS	PCOS awareness weak -Central university of Punjab Ghudda on 14/09/2021	Dett. Of Human genetics CUP Ghudda
5	Dr. Lajya devi Goyal Prof. & Head	Lecture on Ovarian malignancies.	In Virtual CME and PG teaching program; 01-12-2021 to 03-12-2021 Under aegis of FOGSI uroendogynaecological committee	Medical College Maulana
6	Dr. Lajya devi Goyal Prof. & Head	Lecture on Medical management of PPH	National Symposium Cum Workshop On Obstetrical hemorrhage :19-12-2021	Deptt. Of Obs. &Gynaecology, AIIMS Bathinda
7	Dr. Lajya devi Goyal Prof. & Head	Panelist in Menopausal hormonal therapy casebased discussion	Menopausal hormonal therapy case based discussion in Menopause making the transition .22-10-2021	FOGSI Food & Drug committee.
8	Dr. Lajya devi Goyal Prof. & Head	Lecture on Newer novices in carcinoma of endometriosis.	FOGSI North Zone conference with Yuva25-03-2022 to 27-03-2022	Yuva FOGSI
9	Dr. Priyanka	Lecture on PCOS	Govt Sr Sec School, Badal	Deptt. of Obs. &Gynaecology, AIIMS Bathinda
10	Dr. Priyanka	Lecture on Evidence based Medicine	Workshop on Research Methodology (Aug 2021)	FOGSI JOGI E-PICSEP
11	Dr. Priyanka	Lecture on Reference management using Mendeley software	Research Methodology course for Postgraduate students	Deptt. of CFM , AIIMS Bathinda
12	Dr. Priyanka	Panellist in "Anaemia in Pregnancy"	FOGSI North Zone conference with Yuva 25-03-2022 to 27-03-2022	Yuva FOGSI
13	Dr. Supriti	Lecture as faculty in Breastfeeding awareness workshop from 1 to 7 August 2021	Civil hospital Bathinda, Punjab AIIMS Bathinda Punjab	AIIMS Bathinda, Punjab
14	Dr. Supriti	Organizes and deliver Lecture on PCOS	Organizesand deliver Lecture on PCOS awareness month as Faculty 07-09-2021 to 10-09-2021,SSD Girls college Bathinda	AIIMS (OBG) Bathinda, Punjab



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
15	Dr. Deepika	A clinical study of fetal outcome following early and delayed cord clamping in births associated with anemia in pregnancy	National conference IFS 2021 paper presentation	
16	Dr. Deepika	Lecture on Antepartum and intrapartum fetal surveillance	Faculty in Yuva FOGSI YUVA FOGSI national conference Antepartum and intrapartum fetal surveillance	Yuva FOGSI
17	Dr. Deepika	Lecture as faculty Breast feeding awareness session - importance and benefits ,caution and care	Breast feeding awareness session - importance and benefits ,caution and care-,AIIMS,Bathinda	Deptt. Of Obs. &Gynaecology, AIIMS Bathinda
18	Dr. deepika	Lecture as faculty Breast feeding awareness session - importance and benefits ,caution and care	Breast feeding awareness session - importance and benefits ,caution and care in rural area-Civil hospital Bathinda ,Badal& CHC Goniana	Deptt. Of Obs. &Gynaecology, AIIMS Bathinda
19	Dr. Deepika	<i>Lecture on PCOS as faculty</i>	PCOS Etiopathogenesis and symptoms awareness session-state nursing institute and para medical science Badal	Deptt. Of Human genetics CUP Ghudda
20	Dr. Balpreet Kaur	<i>Panellist in discussion on PCOS</i>	PCOS awareness weak -Central university of Punjab Ghudda on 14/09/20211	Deptt. Of Human genetics CUP Ghudda
21	Dr. Balpreet Kaur	<i>Lecture on PCOS</i>	Dashmesh Girls college of education Badal	Deptt. Of Obs. &Gynaecology, AIIMS Bathinda



IV. Faculty achievements –awards, honours

S. No	Name & designation of faculty	Award/ honour	Event	Organised by
1	Dr. Lajya Devi Goyal Prof. & Head	Chairperson	Yuva FOGSI optimizing perinatal health 02-04-2021 to 02-04-2021	Federation of Obs. & Gynaecology society of India PGIMER Chandigarh
2	Dr. Lajya Devi Goyal Prof. & Head	Chairperson	Webinar in vaginal hysterectomy, hallmark of Gynecology 29.05.2021	MMU Maulana Under aegis of FOGSI
3	Dr. Lajya Devi Goyal Prof. & Head	Chairperson	Breast feeding for global health. World breast feeding week 01-08-2021 to 07-08-2021	MMU Ambala Under aegis of FOGSI
4	Dr. Lajya Devi Goyal Prof. & Head	Chairperson	Virtual CME and PG teaching programme; (01- 12-2021 to 03- 12-2021)	MMU Maulana Under aegis of FOGSI uroendogynaecologic al committee
5	Dr. Lajya Devi Goyal Prof. & Head	Advisor	Tsunami in heart diseases in Indian population	AIIMS,Bathinda
6	Dr. Supriti	Awarded as post graduate diploma in sonography	Post-graduate diplomain sonography on 5 th oct. 2021	The Global open university Nagaland Recognized by JUREI- USA)
7	Dr. Deepika	Awarded Member	Awarded Member of National Academy of Medical Sciences. Dec 2021	MNAMS
8	Dr. Deepika	Membership	Indian fertility society	IFS
9	Dr. Deepika	Associate Membership	AssociateMem bership of Royal college of Obstetrics and Gynaecology20 21-22	RCOG



V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget Amount is Rs.
Projects sanctioned					
1	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Setting up of Science Technology Innovation (STI) Cell for empowering SC community of Punjab	Funded by DST, PSCST(Extramural)	Ongoing	4,65,000.00
2	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	2.Prevention of Post-partum haemorrhage related maternal morbidity and mortality through structured approach: a pilot project from two districts of Punjab	Funded by Government of under Mission of TandrustPunjab(Extramural)	Ongoing	20,22,640.00
3	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Comparative analysis of various diagnostic methods to identify women with genital tuberculosis in a tertiary care hospital in North India.”	Intramural	Ongoing	
4	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Estimating the Prevalence of von Willebrand disease in women with Heavy Menstrual Bleeding in Punjab. Multicentric Funded project	Extramural	Ongoing	



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget Amount is Rs.
5	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Validation of cervastra -a point of care system for the screening of the cervical cancer with the convention pap smear method	Aindra System company NASSCOM(Extr amural)	Ongoing	171927.60
6	Dr. Supriti Assistant Professor	Clinico - radiological co-relation of UDS(urodynamic studies) in women with LUTS (lower urinary tract infection	AIIMS,Bathinda	Ongoing	Intramural
7	Dr. Deepika	Comparison of screening method visual inspection by astaticacid , visual inspection by lugul iodine and PAPs smear for early detection of pre-cancerous lesion of cervix	AIIMS,Bathinda	Ongoing	Intramural
Projects submitted					
1	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Effect of COVID-19 pandemic on antenatal care and pregnancy outcomes amongst the rural women of Punjab	PSCST	Completed	6,00,000.00
2	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Awareness and attitude about cervical cancer preventions and Human papilloma virus vaccine among the rural women of Punjab	Intramural	Completed	



S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget Amount is Rs.
3	Dr. Lajya Devi Goyal Prof. & Head Deptt. Of Obs. & Gynaecology	Changes in the patterns of tobacco usage in Indian women- findings from the two rounds of Global Adult tobacco Survey India.”	Intramural	Completed	----

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

RESEARCH PAPERS

Papers Published

- **Goyal LD, Garg P, Kaur M, Sharma D.** Recurrent Dermatofibrosarcoma Protuberans of the **Vulva: A Rare Occurrence and Review of Literature.** **J Fam ReprodHealth** 2021; 15(2): 136-40.
- **Jindal N, Goyal LD, Singh C.** Sociodemographic features associated with Hepatitis C Virus (HCV) in pregnant females: A tertiary care centre study from Malwa region of Punjab (North India). **J Family Med Prim Care** 2021;10:2679-83.
- **Singh R, Singh Banipal RP, Goyal LD.** Cisplatin versus gemcitabine as concurrent chemoradiotherapy in squamous cell carcinoma cervix: A comparative study of clinical response and toxicities. **J Can Res Ther**
- **Goyal LD, Kaur B, Goyal G, Rajora P.** Unusual Cases of Pure Malignant Germ Cell Tumors of the Ovary: A Case Series on 10 Years Experience at a Tertiary Care Center. **J ReprodInfertil.** 2021;22(4):267-273.
- **Garg p, Verma M, Goyal LD:** Trends and correlates of intimate partner violence experienced by ever-married women of India: results from National Family Health Survey round III and IV. **BMC public Health(2021) @1: 2012**
- **Lajya Devi Goyal, Priyanka Garg¹, Rama Badyal and Shivali Bhalla:** Aggressive (deep) angiomyxomaof the vulva: a case report: **Journal of Medical Case Reports (2022) 16:71**
- **Garg P, Dhingra H.** Recurrent hydatidiform mole in nine consecutive pregnancies : a rare case report from India Recurrent hydatidiform mole in nine consecutive pregnancies: a rare case report. **J ObstetGynaecol (Lahore).** 2021;0(0):1–4.
- **Garg P, Bansal R.** Cesarean myomectomy: a case report and review of the literature. **J Med Case Rep.** 2021 Dec 1;15(1):1–4.
- **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. **JFamily Med Prim Care** 2022;11:1789-93



AIIMS BATHINDA ANNUAL REPORT 2021-22

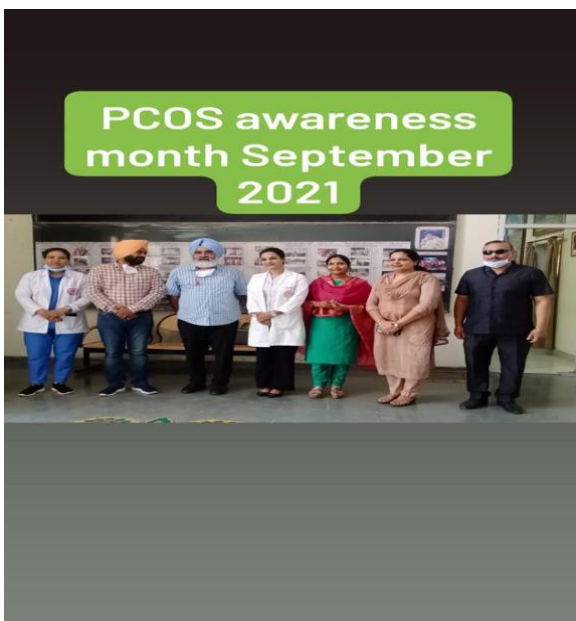
VII. Number of Workshop/Training Activities Organized

- Workshop on Breast feeding in AIIMS Bathinda Aug 1-7th 2021
- Workshop on PCOS awareness 07-9-2021 to 10-9-2021
- Workshop on scientific paper writing at AIIMS Bathinda on Oct 22nd, 2021
- National Symposium Cum Workshop on Obstetrical hemorrhage: Dec 19th 2021, AIIMS Bathinda
- Executive member in AIIMS ultrasound Trauma & life support Course for Nurses in collaboration with WHO center of emergency care, SEAR Oct 9-10th 2021

VIII. Number of Thesis Evaluation MD/MS – 6

1. AIIMS Raipur: July 2021-04
2. GMCH Chandigarh: March 2022-01
3. MMU Maullana-01

PHOTOGRAPHS



**BREASTFEEDING
AWARENESS WORKSHOP**



PCOS AWARENESS MONTH



SCIENTIFIC PAPER WRITING WORKSHOP



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ਪੰਜਾਬ ਟਾਇਮਜ਼
Leading Punjabi daily newspaper

ਏਮਜ਼ ਬਠਿੰਡਾ ਵਿਖੇ ਓਬਸਟੈਟ੍ਰਿਕਲ ਹੈਮਰੇਜ 'ਤੇ ਰਾਸ਼ਟਰੀ ਸਿੰਪੋਜੀਅਮ ਅਤੇ ਵਰਕਸ਼ਾਪ



ਪੰਜਾਬ ਟਾਇਮਜ਼ ਵਿਸ਼ੇਸ਼

ਬਠਿੰਡਾ, 21 ਦਸੰਬਰ (ਲੁਭਾਸ਼ ਸਿੰਘ) - ਗਾਇਨੀਕੋਲੋਜੀ ਵਿਭਾਗ, ਏਮਜ਼ ਬਠਿੰਡਾ ਨੇ 'ਓਬਸਟੈਟ੍ਰਿਕਲ ਹੈਮਰੇਜ' ਉੱਤੇ ਇਕ ਹਾਈਬ੍ਰਿਡ ਨੈਸ਼ਨਲ ਸਿੰਪੋਜੀਅਮ ਅਤੇ ਵਰਕਸ਼ਾਪ ਦਾ ਆਯੋਜਨ ਕੀਤਾ। ਸਮਾਗਮ ਡਾ. ਡੀ.ਕੇ.ਸਿੰਘ ਡਾਇਰੈਕਟਰ ਏਮਜ਼ ਬਠਿੰਡਾ ਅਤੇ ਡਾ ਸਤੀਸ਼ ਗੁਪਤਾ, ਡੀਨ ਅਤੇ ਏ.ਐਮ.ਐਸ, ਡਾ ਲਾਜਿਆ ਦੇਵੀ ਗੋਇਲ, ਪ੍ਰੋ ਅਤੇ ਮੁਖੀ ਗਾਇਨੀਕੋਲੋਜੀ ਵਿਭਾਗ ਅਤੇ ਬਠਿੰਡਾ ਗਾਇਨੀ ਸੁਸਾਇਟੀ ਦੇ ਪ੍ਰਧਾਨ ਡਾ ਮਨਜੀਤ ਸਿੰਘ ਸਿੰਘੂ ਦੀ

ਹੋਸਲਾ ਅਫਜਾਈ ਨਾਲ ਕਰਵਾਇਆ ਗਿਆ। ਭਾਰਤ ਵਿਚ ਹਰ ਪੰਜ ਮਿੰਟ ਵਿਚ ਇਕ ਔਰਤ ਗਰਭ ਅਵਸਥਾ ਨਾਲ ਸਬੰਧਤ ਮੌਤਾਂ ਕਾਰਨ ਆਪਣੀ ਜਾਨ ਗੁਆਉਂਦੀ ਹੈ। 25 ਜਣੇਪੇ ਦੀਆਂ ਮੌਤਾਂ ਜਣੇਪੇ ਦੇ ਆਲ-ਦੁਆਲੇ ਬਹੁਤ ਜਿਆਦਾ ਖੂਨ ਵਹਿਣ ਕਾਰਨ ਹੁੰਦੀਆਂ ਹਨ, ਜਿਸ ਨੂੰ ਰੋਕਿਆ ਜਾ ਸਕਦਾ ਹੈ। ਸਿੰਪੋਜੀਅਮ ਕਮ ਵਰਕਸ਼ਾਪ ਦਾ ਉਦੇਸ਼ ਪੰਜਾਬ ਦੇ ਬਠਿੰਡਾ ਜ਼ਿਲਾ ਅਤੇ ਆਸ-ਪਾਸ ਦੇ ਖੇਤਰਾਂ ਵਿਚ ਗਰਭ ਅਵਸਥਾ ਸੰਬੰਧੀ ਖੂਨ ਵਹਿਣ ਕਾਰਨ "ਜੀਰੇ ਮਾਵਾਂ ਦੀ ਮੌਤ" ਨੂੰ ਪ੍ਰਾਪਤ ਕਰਨਾ ਸੀ। ਡੈਲੀਗੇਟਾਂ ਨੂੰ ਪੋਸਟਪਾਰਟਮ ਹੈਮਰੇਜ ਦੀ ਸੁਰੂਆਤੀ ਜਾਂਚ ਅਤੇ ਇਸਦੇ

ਪ੍ਰਬੰਧਨ ਲਈ ਗੈਰ-ਨਿਊਮੋਟਿਕ ਐਂਟੀ ਸੈਕ ਗਾਰਮੈਂਟ (ਐਨਏਐਸਜੀ) ਅਤੇ ਇੰਟਰਯੂਟਰਾਈਨ ਬੈਲੂਨ ਟੈਪਨੋਡ ਵਰਗੇ ਘੱਟ ਲਾਗਤ ਵਾਲੇ ਇਲਾਜ ਬਾਰੇ ਜਾਗਰੂਕ ਕੀਤਾ ਗਿਆ ਤਾਂ ਜੋ ਦੂਰ-ਦੁਰਾਡੇ ਖੇਤਰਾਂ ਤੋਂ ਸੁਰੱਖਿਅਤ ਰੈਫਰਲ ਲਈ ਖੂਨ ਵਹਿਣ ਨੂੰ ਕੰਟਰੋਲ ਕੀਤਾ ਜਾ ਸਕੇ। ਸੈਸਨ ਨੂੰ ਏਮਜ਼ ਪਟਨਾ, ਏਮਜ਼ ਜਥਪੁਰ, ਪੀ.ਜੀ.ਆਈ ਚੰਡੀਗੜ੍ਹ, ਮੈਡੀਕਲ ਕਾਲਜ ਚੰਡੀਗੜ੍ਹ, ਸਰਕਾਰੀ ਮੈਡੀਕਲ ਕਾਲਜ ਪਟਿਆਲਾ, ਗੁਰੂ ਗੋਬਿੰਦ ਸਿੰਘ ਮੈਡੀਕਲ ਕਾਲਜ ਫਰੀਦਕੋਟ ਦੇ ਬੁਲਾਰਿਆਂ ਅਤੇ ਚੇਅਰਪਰਸਨਾਂ ਦੁਆਰਾ ਸੰਬੰਧਿਤ ਕੀਤਾ ਗਿਆ। ਇਸ ਵਰਕਸ਼ਾਪ ਵਿਚ ਏਸ ਭਰ ਤੋਂ ਫੈਕਲਟੀ ਮੈਂਬਰਾਂ ਅਤੇ ਡਾਕਟਰਾਂ ਨੇ ਭਾਗ ਲਿਆ ਅਤੇ ਸਾਰਿਆਂ ਵੱਲੋਂ ਖੂਬ ਸਲਾਘਾ ਕੀਤੀ ਗਈ। ਇਸ ਸਮਾਗਮ ਦੇ ਪ੍ਰਬੰਧਕ ਡਾ.ਪ੍ਰਿਅੰਕਾ ਗਰਗ, ਡਾ ਸੁਪ੍ਰੀਤੀ, ਡਾ ਦੀਪਿਕਾ, ਡਾ ਬਲਪੀਤ ਕੌਰ, ਡਾ ਸੁਰਭੀ ਬਾਂਸਲ, ਡਾ ਗਰਿਆ ਮਹਾਜਨ - ਗਾਇਨੀਕੋਲੋਜੀ ਵਿਭਾਗ ਏਮਜ਼ ਬਠਿੰਡਾ ਤੋਂ ਸਨ।

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NATIONAL SYMPOSIUM CuM WORKSHOP ON OBSTETRICAL HEMORRHAGE

**DEPARTMENT OF MICROBIOLOGY**

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

I. Faculty Details:

S.No	Name of faculty	Designation	Date of Joining
1	Dr. Kamla Kant	Associate Professor	12-12-2019
2	Dr. Sivanantham Krishnamoorthi	Assistant Professor	08-11-2019

II. Brief Introduction of the department:**Mission:**

The department of Microbiology is committed to provide quality clinical diagnostic support to various infectious diseases with specified turnaround time.

Teaching:

The department is involving in teaching and training of undergraduate and postgraduate medical as well as nursing students. Also, providing infection control and biomedical waste management training to all health care workers.

Patient related services:

The department started with COVID-19 RT PCR testing in Bathinda District. Also, the department provided services to support and manage the COVID associated mucormycosis diagnosis. The department escalated the services with various serological and microscopic investigations. The department is working on setting up various culture facility including blood culture and automated susceptibility testing. Also, the department is working on setting up State level VRDL lab with DHR-ICMR.

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

Number of Papers presented in National Conference - Nil

Number of Papers presented in International Conference - Nil

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

IV. Faculty achievements –awards, honours etc

Number of Award Received (only from registered professional organization of national and international repute) - 1



AIIMS BATHINDA ANNUAL REPORT 2021-22

Number of Recognition Received (only from registered professional organization of national and international repute) - 1

Sr No	Name & designation 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

V. Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency- 1 (technically approved) from ICMR ad-hoc scheme.

Project Sanctioned with amount (PI. mention the amount only) - 14,09,430.00/-

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

2 - SERB core research grant/ extramural & ICMR - Extramural Ad-hoc

Number of Project undergoing with the name of Funding Agency – Nil

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Institute PI – Dr. Sivanantham Krishnamoorthi	Causation and prevalence of Coxiella	ICMR (project ID 2021-10660	Technically Approved	14,09,430.00/- (For AIIMS, Bathinda)



AIIMS BATHINDA ANNUAL REPORT 2021-22

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
	(Nodal PI – Dr. Minakshi Rohilla, PGIMER, Chandigarh)	burnetti in human <i>abortion and its genetic relatedness in ticks</i>) ad-hoc scheme		
Projects submitted					
2	Institute PI - Dr. Kamla Kant(Nodal PI- Dr. Vikas Kaushik, Lovely Professional University, Jalandhar, Punjab)	<i>Identification of cross reactive immunogenic peptide as vaccine candidate against different serotypes of Dengue Virus</i>	SERB core research grant/ extramural	Submitted	52,57,000.00/-
3	Dr. Sivanantham Krishnamoorthi	<i>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</i>	ICMR - Extramural Ad-hoc	Submitted	62,80,240.00/-

VI. Papers and Books/chapters published by the faculty: Detail of Paper published with indexing database

- Kumar A, Parashar R, Kumar S, Faiq MA, Kumari C, Kulandhasamy M, **Kant K** et al. Emerging SARS-CoV-2 variants can potentially break set epidemiological barriers in COVID-19. J Med Virol. 2022 Apr;94(4):1300–14.



- Kumar A, Pareek V, **Kant K**. Letter to the Editor: Repurposing of an Antisepsis Drug in COVID-19 Patients. *Assay Drug Dev Technol*. 2021 Oct 1;19(7):407–407.
- Kumar A, Narayan RK, Kulandhasamy M, Prasoon P, Kumari C, Kumar S, **Kant K** et al. COVID-19 pandemic: insights into molecular mechanisms leading to sex-based differences in patient outcomes. *Expert Rev Mol Med*. 2021 Aug 3;23:e7.
- Kumar A, Prasoon P, Sekhawat PS, Pareek V, Faiq MA, Kumari C, **Kant K** et al. Pathogenesis guided therapeutic management of COVID-19: an immunological perspective. *Int Rev Immunol*. 2021;40(1-2):54–71.
- Roy A, Dadwal R, Yadav R, Singh P, **Krishnamoorthi S**, Dasgupta A, et al. Association of Chlamydia trachomatis, Neisseria gonorrhoeae, Mycoplasma genitalium and Ureaplasma species infection and organism load with cervicitis in north Indian population. *Lett Appl Microbiol*. 2021 Oct;73(4):506–14.

Detail of Book published with indexing database

1. **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
 1. Research papers: 5
 2. Book/Book chapter: 1
 3. Number of citations: 36 (14 + 2 + 10 + 9 + 1)
 4. i10 index - 2
 5. h-index - 3

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

Training activities conducted, surgeries, camps, etc. – Surgical hand washing, Donning and doffing of surgical gown and double gloving technique in CME on the operating room skills.

VIII. Number of Thesis Supervised MD/MS

One – MD, Microbiology

IX. Any other achievements in number

Jaya Jain and team (Jaya Jain, Pankhita Ghai, 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.



Microbiology/01



Surgical hand washing, Donning and doffing of surgical gown and double gloving technique in CME on the operating room skills.

Microbiology/02



Jaya Jain and team (Jaya Jain, Pankhita Ghai, 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.



DEPARTMENT OF NEUROSURGERY

Name of the Department	Neurosurgery
Head of the Department	Dr. Varun Aggarwal

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Varun Aggarwal	Associate Professor	16-09-2021
2	Dr. Amit Narang	Assitant Professor	16-09-2021

II. Brief Introduction of the department:

To include the department mission, teaching and patient related services being provided by the department. (*Max 200 words*). Department of Neurosurgery was started at AIIMS Bathinda on 16 September 2021- with intention to provide centre of excellence services to people of Punjab and adjoining states. Presently we are providing

Operative

- ▶ Microscopic Brain tumor Surgeries
- ▶ Microscopic Intracranial Aneurysm surgeries
- ▶ Microscopic Spinal tumors and PIVD surgeries
- ▶ Endoscopic Pituitary tumors
- ▶ Intracranial Mucor abscess
- ▶ VP shunt for hydrocephalus and EVD
- ▶ Cranioplasty
- ▶ Emergency surgeries for Head injury and spinal injuries
- ▶ Surgeries for Chronic SDH

OPD based Minor Procedures

- ▶ Training To Nursing staff

	Dr. Varun Aggarwal	Dr Amit Narang
UG classes	5	5
Nursing Classes	1	2
Respiratory Therapist classes	7	3
Departmental NO training. classes	40	38



Future plans

- ▶ Stereotactic brain biopsy
- ▶ Neuro navigation assisted brain tumor surgeries.
- ▶ Epilepsy surgery
- ▶ Intra-op CT and MRI.
- ▶ MIS – minimal invasive spinal surgeries
- ▶ DBS- deep brain stimulation for Parkinson’s disease

III. 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
International conferences				
1	Dr. Varun Aggarwal(Associate Professor)	DIFFICULTY IN SIDE SELECTION OF CRANIOTOMY FOR ACOM ARTERY ANEURYSM	----	AIIMS RAIPUR

IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/ honour	Event	Organised by
1	Dr. Varun Aggarwal (Associate Professor)	Honour	Course and Workshop	Dept. of Anaesthesiologyand Critical Care
2	Dr.Varun Aggarwal (Associate Profesor)	Honour	Symposium Cureent & Emerging Tresnds in Multiple Myeloma	Dept.Of Radiation Oncology



V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Varun Aggarwal (Associate Professor) PI	PRE-OPERATIVE SURGICAL PLANNING OF PITUITARY ADENOMAS BASED ON MAGNETIC RESONANCE (MR) ELASTOGRAPHY WITH SURGICAL AND IMMUNOHISTOPATHOLOGICAL CORRELATION.	Extramural ICMR	On going	APPRO X. 25 LACS
2	Dr. Amit Narang (Associate Professor) Co PI	PRE-OPERATIVE SURGICAL PLANNING OF PITUITARY ADENOMAS BASED ON MAGNETIC RESONANCE (MR) ELASTOGRAPHY WITH SURGICAL AND IMMUNOHISTOPATHOLOGICAL CORRELATION	Extramural ICMR	On going	APPRO X 25 LACS
Projects submitted					
1	Dr. Amit Narang (Associate Professor) Co PI	Genetic characterization of neutrophil extracellular traps for the risk of Ischemic Stroke a	Extramural SERB		

**DEPARTMENT OF OPHTHALMOLOGY**

Name of the Department	Ophthalmology
Head of the Department	Dr. Anuradha Raj

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Anuradha Raj	Additional Professor	26-11-2021
2	Dr. Sanjeev Kumar	Assistant Professor	14-11-2019

II. 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
International conferences				
National conferences				
1	Dr. Anuradha Raj	Orbital mucormycosis in covid era: a challenge	Hybrid conference 2021 on 16-17 th October 2021	Uttarakhand Society of Ophthalmological Society
2	Dr. Anuradha Raj	Morphometric evaluation and measurements of primary pterygium and its relation with astigmatism in	Virtual Keracon on 10-12 th December 2021	Cornea Society of India

III. Research activities undertaken in the department:

S. 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	Dr. Anuradha Raj As CO-PI	Association analysis of gene polymorphism in pathogenesis of diabetic retinopathy among the patients living with type 2	Extramural Grant -in-Aid(GIA) Scheme of Department of Health Research for 2022-2023	Submitted	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		diabetes mellitus from North India			
2	Dr. Sanjeev Kumar	Comparison of Effect of Homatropine, Head Elevation and Observation in Fresh Vitreous Hemorrhage using Quantitative Ophthalmic Ultrasonography”	SERB	Submitted	----

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

Dr. Anuradha Raj: 7

Dr. Sanjeev kumar 1

Detail of Paper published with indexing database

- **Raj A,** Bahadur H. [Morphological analysis of functional filtering blebs with anterior segment optical coherence tomography: A short-term prediction for success of trabeculectomy](#) European Journal of Ophthalmology, 2021 ;31(4):1978-1985.
- **Raj A.** Tele Ophthalmology for Various Ocular Sub-specialities during Novel Coronavirus Disease 2019 Pandemic in Indian Scenario. EC Ophthalmology. 2021: 59-65.
- **Raj A,** Dhasmana R, Bahadur H. Morphometric evaluation and measurements of primary pterygium by anterior segment optical coherence tomography and its relation with astigmatism. Therapeutic advances in Ophthalmology.2021; 13: 1–11
- **Raj A,** Agrawal N. “Ocular Implications in COVID Era: A Challenge”. EC Ophthalmology 12.11 (2021): 51-57.
- **Raj A,** Agrawal N. Comments on: Glycerol-preserved corneal tissue in emergency corneal transplantation: An alternative for fresh corneal tissue in COVID-19 crisis. Indian J Ophthalmol. 2021;69:169.
- **Raj A,** Kaur N, Kaur N. Cavernous sinus thrombosis with central retinal artery occlusion in COVID-19: A case report and review of literature. Indian J Ophthalmol 2021;69:1327-9
- **Dhoot Sanjeev Kumar.** Mucormycosis-Related Vision Loss in COVID-19. Ophthalmic Surg Lasers Imaging Retina.2022 Mar;53(3): 173-174.

Detail of Book published with indexing database



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- **Dr Anuradha Raj:** Penetrating keratoplasty still Gold standard: Indications, complications and management by Cambridge Scholars Publishing house, United Kingdom (Under process)

Book chapters

Dr. Anuradha Raj: 2

Dr. Anuradha Raj: CLINICS IN COVID PANDEMIC, Century publications, New Delhi

1. Changing trends in Ophthalmic practices in COVID era
2. Stress and telomeres shortening in predicting COVID-19 mortality. (UNDER PUBLICATION PROCESSOR)

Dr Anuradha Raj: Number of citations: 188, i10 index⁵, h-index; 8

According to Google Scholar database

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

1. Training activities conducted,
 2. Surgeries, camps, etc.
 3. Number of Conference Organized
 4. Number of Workshop Organized
- **Dr. Anuradha Raj** WORKSHOP Organized nurses training module with support of Motwani Jadeja Foundation May 2021- July 2021
 - **Dr. Anuradha Raj** Organized various activities as free diabetic retinopathy check upcamp on World Sight Day 14 th October 2021 at AIIMS, BATHINDA
 - **Dr. Anuradha Raj** Workshop Organized for faculty on writing a scientific paper at AIIMS, BATHINDA 22nd OCTOBER 2021
 - **Dr. Anuradha Raj** CME ORGANIZED ON Sight threatening ocular infections: An update at AIIMS, BTI, ON 12 FEB 2022
 - **Dr. Anuradha Raj** Organized various activities as free diabetic retinopathy check upcamp on World Sight Day 14 th October 2021 at AIIMS, BATHINDA
 - **Dr. Anuradha Raj** Organized Skill enhancement teaching AND Training Schedule for Induction Training Program for Nursing Officers at AIIMS BATHINDA FROM July 2021 to Feb 2022.
 - **Dr. Anuradha Raj** Organized various activities on EYE DONATION AWARENESS FORTNIGHT celebration 25th August to 8th September 2021 at AIIMS, BATHINDA
 - **Dr. Anuradha Raj** Organized various activities as free diabetic retinopathy check-up camp and awareness talk on World Diabetes Day 14 November 2021 at AIIMS, BATHINDA

VI. Any other achievements in number

Paper presented in conferences: (DR ANURADHA RAJ)



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- **Dr. Anuradha Raj** :Orbital mucormycosis in COVID ERA: A challenge in Hybrid Annual conference UKSOS 2021 on 16-17th October 2021
- **Dr. Anuradha Raj** :Morphometric evaluation and measurements of primary pterygium and its relation with astigmatism in Virtual Keracon on 10-12th December 2021
- **Dr. Anuradha Raj**: Guest Lecture delivered on EYE BANKING IN INDIA AND ITS CHALLENGES on Organ donation awareness week organised by urology department on 23rd NOV 2021, AIIMS, BTI.

Completed research project

- **Dr. Anuradha Raj**: Risk factors of post-COVID-19 rhino-orbito-cerebral mucormycosis in India: Case-control study, 2021. ICMR I-MUCOR (India - Multicentric Case-control study On ROCM) study group led byJIPMER, Puducherry&ICMR- National Institute of Epidemiology, Chennai
- **Dr. Anuradha Raj**: Cleared offline exam held with 86% SCORE course ON Basic course in Biomedical Research -Cycle 3 held by Nptel – SWAYAM CENTRAL
- **Dr. Anuradha Raj**: **GOT MEMBERSHIP OF NATIONAL ACADEMY OF MEDICAL SCIENCES ON 11TH NOV 2021.**

Dr. Sanjeev Kumar

- Online Certification, Basic Course in Biomedical Research, 2021
- Online Certification, Ethics Review of Medical Research, 2021
- Scientific Writing in Health Research, 2021.



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Inauguration of world glaucoma week 6th March-12th March 2022



Started Phacoemulsification in Operation theatre on 5th July 2022





AIIMS BATHINDA ANNUAL REPORT 2021-22

Celebration of World Diabetes Day, 14th Nov 2021



CME Organized on Sight threatening ocular infections: An update at AIIMS, BTI, on 12 Feb 2022



Organized various activities as free diabetic retinopathy check up camp on World Sight day 14th October 2021 at AIIMS, Bathinda





World Doctors Day



Free eye check up camp on NATIONAL Nutrition Week



Organized various activities on EYE DONATION AWARENESS FORINIGHT celebration 25th August to 8th September 2021 at AIIMS, Bathinda





DEPARTMENT OF ORTHOPAEDICS

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

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Tarun Goyal	Additional Professor	06-12-2019
2	Dr. Niles Barwar	Associate Professor	09-05-2022
3	Dr. Pankaj Kumar Sharma	Assistant Professor	27-11-2019
4	Dr. Kavin Khatri	Assistant Professor	06-12-2019
5	Dr. Gaganpreet Singh	Assistant Professor	13-11-2019
6	Dr. Ranjeet Chaudhary	Assistant Professor	27-12-2021

II. Brief Introduction of the department:

The department aims to provide:

- The highest quality patient care to all people through innovation, latest research and training
- Competency based training of the next generation of surgical health care professionals and scientists
- Leadership role in orthopaedic teaching and research at both regional and national level

Services Available in the department:

The department of orthopaedics treats all the musculoskeletal conditions. It deals with conditions like osteoarthritis, low backache, neck pain, congenital disorders and fractures.

The department started its OPD services for the patients in December 2019. The department is providing services to an average of 300 patient's birthday.

Total outpatient visit of the department in 2021-2022 was?

The operating services of the department started in February 2021. The following procedures are being done in the department

- Joint replacement surgeries
- Arthroscopic surgery is of the joints
- Trauma
- Tumours
- Spine surgeries
- Paediatric orthopaedic surgeries



- Hand and foot surgeries
- Arthrodesis
- Septic arthritis & Osteomyelitis
- Deformity corrections
- Tendon transfer and repair

The department is also running special clinics for sport injuries, paediatric orthopaedics, hand surgeries and spine surgeries.

The department started its postgraduate course in orthopaedics MS orthopaedics in January 2022 with intake of four post graduate students. The department also has taken one international Fellow in joint replacement in Arthroscopy for one year.

III. 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 & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Pankaj Kumar Sharma, Assistant Professor	Reviewer Trauma Free Papers	APOA 2021Trauma	Asia Pacific Orthopaedic Association
2	Pankaj Kumar Sharma, Assistant Professor	Sports injury: Medial patellofemoral ligament reconstruction versus soft tissue reefing and balancing in patellofemoral instability	APOA 2021Trauma	Asia Pacific Orthopaedic Association
3	Kavin Khatri, Assistant Professor	Low perioperative dexamethasone improves postoperative pain after anterior cruciate ligament reconstruction	8th ASEAN Society for Sports and Arthroscopy Annual Congress, Mandaluyong City, Philippines.	Philippines Orthopaedic Association
National conferences				
1	Dr. Tarun Goyal	AC joint reconstruction	Shoulder cadaveric course	AIIMS Rishikesh, 2022
2	Dr. Tarun Goyal	PCL avulsions	Young surgeon forum, 2021	APOA
3	Dr. Tarun Goyal	Diagnostic shoulder arthroscopy & SLAP repairs	Shoulder Arthroscopy e-course	Stryker
4	Dr. Tarun Goyal	Types of study design, which one is good in Busy practice?	Research symposium	Nepal Orthopaedic Association.



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
5	Dr. Tarun Goyal	Direct Anterior approach for THR	Annual meeting of Punjab Orthopaedic Association	Punjab Orthopaedic Association
6	Dr. Tarun Goyal	Role of Hip arthroscopy in FAI	Annual symposium	AIIMS Rishikesh
7	Dr. Tarun Goyal	Single row rotator cuff repair	Annual Symposium on Shoulder Arthroscopy	AIIMS Bathinda
8	Dr. Tarun Goyal	Tibial plateau fractures	Lower limb trauma symposium.	PGIMER Chandigarh.
9	Dr. Tarun Goyal	ACL reconstruction, PCL reconstruction	MAMC cadaveric course	MAMC Delhi
10	Dr. Tarun Goyal	Arthroscopy assisted core decompression and bone grafting in osteonecrosis of the femoral head Direct anterior approach without traction table for Total Hip Arthroplasty: how does it compare with posterior approach?	Annual conference	IOACON, Goa 2021
11	Dr. Tarun Goyal	Pharmacovigilance	----	Workshop-cum-conference on Pharmacovigilance and medicine safety by Department of Pharmacology
12	Dr. Tarun Goyal	OT etiquettes	Training Program for orthopaedic operating room personnel	AIIMS Bathinda, 2021
13	Dr. Nilesh Barwar	Ossification of ligamentum flavum: surgical decompression and evaluation of functional results	Association of spine surgeon of India annual conference , Patna, 2022	ASSI
14	Dr. Nilesh Barwar	Anterior decompression in thoracolumbar burst fractures using anterior approach	Spine day CME on 16 th of Oct 2021	Jodhpur orthopaedic Surgeon society
15	Dr. Nilesh Barwar	Posterior only approach for decompression and vertebral body reconstruction in thoracolumbar fractures	Indian Orthopaedics Association annual conference: Dec 2021, Goa	Indian Orthopaedic Association
16	Pankaj Kumar Sharma,	Guest Lecture “Early treatment of Pelvis fractures”,	DOACON 2021	Lady Hardinge Medical College, New



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
	Assistant Professor	<p>Guest Lecture “Resuscitation in Polytrauma Patients”</p> <p>Table instructor “Cadaveric workshop on Latarjet procedure and deltopectoral approach”.</p> <p>Guest Lecture “Early infection after nailing in femur fracture”,</p>	<p>CME and Hands on Workshop on Central Venous Cannulation</p> <p>DOACON 2021</p> <p>NZAOCON 2022</p>	<p>Delhi 26 th- 28 th November 2021</p> <p>Dept of Anaesthesiology and Critical Care</p> <p>Lady Hardinge Medical College, New Delhi 26 th- 28 th November 2021</p> <p>Govt Med College Sector 32, Chandigarh 6-8 May 2022.</p>
17	Pankaj Kumar Sharma, Assistant Professor	<p>Oral Paper Presentation “Traumatic compound gap non-union of long bones, comparison of management modalities in prospective manner.”</p> <p>Oral Paper Presentation “Infected gap non-union of both bones of leg; comparative analysis of bone transport and Masquelet techniques”.</p>	<p>ISTAC Trauma 2021</p> <p>WIROC GLOBAL, 2022</p>	<p>AIIMS, New Delhi</p> <p>Mumbai Orthopaedics Association 25th - 27th March, 2022,</p>
18	Kavin Khatri, Assistant Professor	Efficacy and Safety of Barbed Knotless Sutures in capsular closure following Distal Femur Fracture Fixation	12 th Annual Conference of the Indian Society for Trauma & Acute Care, New Delhi.	Indian Society for Trauma & Acute Care



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
19	Kavin Khatri, Assistant Professor	Robotic Knee replacement	Conference on Importance of Engineering in Medical Science	Lovely professional university, Phagwara
20	Kavin Khatri, Assistant Professor	Young arthritic knee: Magnitude of Problem	Conference on The Young Osteoarthritic knee: Dilemmas in Management	Osteoarthritis Foundation, Ludhiana.
21	Kavin Khatri, Assistant Professor	Types of wounds and wound assessment	CME & workshop on wound care	Burns and plastic surgery department, AIIMS Bathinda

IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Tarun Goyal	Associate editor Indian Journal of Orthopaedics	----	Indian Journal of Orthopaedics
2	Dr. Tarun Goyal	Patents published INSTRUMENTATION FOR ARTHROSCOPIC CORE DECOMPRESSION OF FEMORAL HEAD Inside-out Interference screw for fixation of graft in tibial tunnel in anterior cruciate ligament reconstruction	----	Patent Office New Delhi
3	Dr. Nilesh Barwar	Best case report publication in international journal	Rajasthan association of orthopaedic surgeons annual conference, Jaipur, 2022	Rajasthan Orthopedic Surgeons Association
4	Pankaj Kumar Sharma,	APOA , July 2021 Education Conference Grant, Malaysia.	Annual Conference of APOA 2021	Asia pacific Orthopaedic Society



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
	Assistant Professor	IOA – “Yuva Mentor Inland Fellowship "2021. FACS Section Editor	Annual Conference of Orthopaedic Society of India Annual meeting of American College of Surgeons 2021 IJO	Indian Orthopaedic Association American College of Surgeons Indian Orthopaedic Association

V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Tarun Goyal, Additional Professor	Outcomes of bone marrow-derived culture-expanded mesenchymal stem cells for cartilage defects of knee.	Department of Health research.	ongoing	38 lacs
2	Dr. Tarun Goyal, Additional Professor	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	Intramural sanction	ongoing	Nil



AIIMS BATHINDA ANNUAL REPORT 2021-22

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		as potential allograft.			
3	Dr. Tarun Goyal, Additional Professor	Ex-vivo characterization of articular cartilage and bone using advanced microscopy and spectroscopy.	Intramural sanction	ongoing	Nil
Projects submitted					
4	Kavin Khatri, Assistant Professor	Clinical Decision Support System (CDSS) for severity stage assessment in knee osteoarthritis by designing a Specialized Deep Neural Network OsteoSeverityNet using multimodal data of radiographs and clinical parameters and its cloud-based web implementation for remote access	Department of Health Research	Submitted	50 lakhs

VI. Papers and Books/chapters published by the faculty

Dr. Tarun Goyal

1. Number of citations: Total 1214
2. i10 index :17
3. h-index :25

- 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.
- 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.
- Sharma G, Saran S, Saxena S, **Goyal T**. Multiparametric evaluation of bone tumors utilising diffusion weighted imaging and dynamic contrast enhanced magnetic resonance imaging. J Clin Orthop Trauma. 2022; 18;30:101899. doi: 10.1016/j.jcot.2022.101899. PMID: 35664690; PMCID: PMC9157202.
 - 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.
 - Schuh A, **Goyal T**, Schmidtman M, Koehl P. In der Nacht flammt das Zehengelenk auf [Gout attack]. MMW Fortschr Med. 2022;164(8):9. German. doi: 10.1007/s15006-022-0934-8. PMID: 35449250.
 - 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.
 - **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 TraumatolArthrosc. 2022 Mar 2. doi: 10.1007/s00167-022-06955-y. Epub ahead of print. PMID: 35366076.
 - Dhingra M, **Goyal T**, Yadav A, Choudhury AK. One-year mortality rates and factors affecting mortality after surgery for fracture neck of femur in the elderly. J Midlife Health. 2021 Oct-Dec;12(4):276-280. doi: 10.4103/jmh.jmh_208_20. Epub 2022 Jan 20. PMID: 35264833; PMCID: PMC8849149.
 - Rueth MJ, Koehl P, Schuh A, **Goyal T**, Wagner D. Return to sports and short-term follow-up of 101 cases of medial patellofemoral ligament reconstruction using gracilis tendon autograft in children and adolescents. Arch Orthop Trauma Surg. 2022 Feb 16. doi: 10.1007/s00402-022-04365-w. Epub ahead of print. PMID: 35171327.
 - **Goyal T**, Dhamija P, Vardhan G, Gupta P, Trikha V. In vitro study of elution kinetics and biological activity of piperacillin/tazobactam and gentamicin in acrylic bone cement. OrthopTraumatolSurg Res. 2022 Feb 2:103230. doi: 10.1016/j.otsr.2022.103230. Epub ahead of print. PMID: 35123032.
 - Das L, Johri AS, Abdusamad V, Schuh A, **Goyal T**. Joint awareness and return to pre-injury level of activities after ACL reconstruction in athletes vs non-athletes. Eur J OrthopSurgTraumatol. 2022 Feb 4. doi: 10.1007/s00590-022-03208-z. Epub ahead of print. PMID: 35119487.
 - Singh S, Verma A, Jain A, **Goyal T**, Kandwal P, Arora SS. Infection and utilization rates of bone allografts in a hospital-based musculoskeletal tissue bank in north India. J Clin Orthop Trauma. 2021 Oct 15;23:101635. doi: 10.1016/j.jcot.2021.101635. PMID: 34722148; PMCID: PMC8531654.



- **Goyal T**, Paul S, Choudhury AK, Sethy SS. Full-thickness peroneus longus tendon autograft for anterior cruciate reconstruction in multi-ligament injury and revision cases: outcomes and donor site morbidity. *Eur J OrthopSurgTraumatol*. 2021 Oct 26. doi: 10.1007/s00590-021-03145-3. Epub ahead of print. PMID: 34698925.
- **Goyal T**, Tripathy SK, Schuh A, Paul S. Total knee arthroplasty after a prior knee arthroscopy has higher complication rates: a systematic review. *Arch Orthop Trauma Surg*. 2021 Sep 20. doi: 10.1007/s00402-021-04175-6. Epub ahead of print. PMID: 34542652.
- **Goyal T**, Paul S, Choudhury AK, Gupta T. Assessment of Acetabular Component Anteversion after Total Hip Arthroplasty: Comparison of Anteroposterior and Cross-Table Lateral Radiographs with Computed Tomography Scans. *Clin Orthop Surg*. 2021 Sep;13(3):329-335. doi: 10.4055/cios20274. Epub 2021 Aug 17. PMID: 34484625; PMCID: PMC8380526.
- Mahakalkar SS, Choudhury AK, Vathulya M, **Goyal T**, Chattopadhyay D. Limb salvage following snakebite using acute limb shortening and secondary lengthening. *Int J Crit IllnInj Sci*. 2021 Apr-Jun;11(2):98-101. doi: 10.4103/IJCIIS.IJCIIS_43_20. Epub 2021 Jun 29. PMID: 34395212; PMCID: PMC8318165.
- **Goyal T**, Singla M, Paul S. Use of contralateral lateral meniscus for medial meniscal allograft transplantation: a cadaveric study. *Arch Orthop Trauma Surg*. 2021 Apr 23. doi: 10.1007/s00402-021-03910-3. Epub ahead of print. PMID: 33890130.
- **Goyal T**, Paul S, Schuh A, Choudhury AK. Pie-crusting of proximal medial collateral ligament for correcting varus deformity in total knee arthroplasty. *Eur J OrthopSurgTraumatol*. 2021 Oct;31(7):1305-1309. doi: 10.1007/s00590-020-02849-2. Epub 2021 Jan 23. PMID: 33484344.
- Tripathy SK, Varghese P, Srinivasan A, **Goyal T**, Purudappa PP, Sen RK, Chandrappa MH. Joint awareness after unicompartmental knee arthroplasty and total knee arthroplasty: a systematic review and meta-analysis of cohort studies. *Knee Surg Sports TraumatolArthrosc*. 2021 Oct;29(10):3478-3487. doi: 10.1007/s00167-020-06327-4. Epub 2020 Oct 19. PMID: 33078218.
- Ansari S, Barik S, Singh SK, Sarkar B, **Goyal T**, Kalia RB. Role of 3D printing in the management of complex acetabular fractures: a comparative study. *Eur J Trauma Emerg Surg*. 2021 Oct;47(5):1291-1296. doi: 10.1007/s00068-020-01485-z. Epub 2020 Sep 11. PMID: 32918149.
- Jha RK, Sen RK, Tripathy SK, Gopinathan NR, **Goyal T**, Sharma SK. Cross-cultural validation of Hindi version Knee Injury and Osteoarthritis Outcome Score (KOOS) in osteoarthritis knee. *Knee Surg Sports TraumatolArthrosc*. 2021 Jun;29(6):1742-1749. doi: 10.1007/s00167-020-06211-1. Epub 2020 Aug 10. PMID: 32776241.
- **Goyal T**, Sethy SS, Paul S, Choudhury AK, Das SL. Good validity and reliability of forgotten joint score-12 in total knee arthroplasty in Hindi language for Indian



population. *Knee Surg Sports Traumatol Arthrosc.* 2021 Apr;29(4):1150-1156. doi: 10.1007/s00167-020-06124-z. Epub 2020 Jun 29. PMID: 32602037.

Dr. Nilesh Barwar

1. Number of citations: Total 408
2. i10 index :10
3. h-index :10

- **Barwar N**, Kumar N, Sharma A, Bharti A, Kumar Raj. 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).
- **Nilesh Barwar**, Amit Sharma, Naren Khatri, Nitish Kumar. Atypical Fracture of Femur in Association with Familial Hypokalemic Periodic Paralysis: A Case Report. *J Orthop Case Rep.* 2021 Dec;11(12):69-72.
- **Nilesh Barwar**. Post-traumatic L4-L5 spondyloptosis with cauda equina syndrome: A case report. *Trauma Case Rep.* 2021 Apr 21; 33:100475.
- **Sharma, P.K.**, Meena, S., Singh, G. et al. Orthopaedic surgery and its allied associations on social media: an observational study. *Arch Orthop Trauma Surg* (2021). <https://doi.org/10.1007/s00402-021-04052-2>.
- **Sharma P**, Kundu ZS, Lamba A, Singh S. (2021). Diaphyseal aneurysmal bone cysts (ABCs) of long bones in extremities: Analysis of surgical management and comparison with metaphyseal lesions. *JCOT* (2021). <https://doi.org/10.1016/j.jcot.2021.04.014>.
- **Sharma P**, Kundu Z, Tiwari V, et al. (August 06, 2021) Intraosseous Lipoma of the Calcaneum. *Cureus* 13(8): e16929. doi:10.7759/cureus.16929

Dr. Pankaj Sharma

1. Number of citations: Total 408
2. i10 index :10
3. h-index :10

- **Pankaj Kumar Sharma**, Vinit Verma, Sanjay Meena, Raj Singh, Pradyumna KM, Comparative evaluation and analysis of outcomes in non-idiopathic and idiopathic clubfeet with Ponseti method at a tertiary care centre of a developing country, *The Foot*, Volume 49, 2021, 101841, ISSN 0958-2592, <https://doi.org/10.1016/j.foot.2021.101841>
- **Sharma PK**, Tiwari V. Challenges in the Management of Clubfoot in COVID-19 Pandemic. *J Coll Physicians Surg Pak.* 2021, Jul;31(3):161-162 doi: <https://doi.org/10.29271/jcpsp.2021.Supp3.S161>.
- Rohilla R, **Sharma PK**, Wadhvani J, Das J, Singh R, Beniwal D (2021) Prospective randomized comparison of bone transport versus Masquelet technique in infected gap nonunion of tibia. *Arch Orthop Trauma Surg.*
- Rawat S, **Sharma PK**, Narang A. How COVID (Pandemics) Impacted Training of Medical Students, Trainees, and Residents? *J Coll Physicians Surg Pak.* 2021 Jul;31(7):147-148. doi: 10.29271/jcpsp.2021.Supp2.S147. PMID: 34271823.
- 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 Feb 15;12(1):13-22.

Dr. Kavin Khatri

- **Khatri K**, Sidhu G, Jindal S, Bansal D, Goyal D. Low-dose Perioperative Dexamethasone Improves 24-hour Post-Operative Pain after Anterior Cruciate Ligament Reconstruction. Malays Orthop J. 2022 Mar;16(1):76-83. doi: 10.5704/MOJ.2203.011. PMID: 35519532; PMCID: PMC9017928.
- Malhotra NK, **Khatri K**, Lakhani A, Dahuja A, Bansal D, Kamat A. Validation and Cross-Cultural Adaptation of the Hindi Version of the Oxford Knee Score in Patients With Knee Osteoarthritis. Cureus. 2022 Apr 9;14(4):e23997. doi: 10.7759/cureus.23997. PMID: 35547405; PMCID: PMC9090215.
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- Rajpal K, Singh J, Bahadur R, Bansal K, Shyam R, **Khatri K**. Postoperative Epidural Fibrosis Prevention: Which Is Better-Autologous Fat versus Gelfoam. Asian Spine J. 2021 May 10. doi: 10.31616/asj.2020.0268. Epub ahead of print. PMID: 33957745.
- Lakhani A, Sharma E, Kapila A, **Khatri K**. Known data on applied regenerative medicine in tendon healing. Bioinformation. 2021 Apr 30;17(4):514-527. doi: 10.6026/97320630017514. PMID: 34602779; PMCID: PMC8450149.
- Lakhani A, Sharma E, **Khatri K**, Hooda A. Chondromyxoid fibroma of calcaneum. A rare case report with review of literature. J Evolution Med Dent Sci 2021;10(19): 1444-447.
- Lakhani A, Sharma E, **Khatri K**. Impact of the recurrent wave of COVID-19 pandemics on orthopaedics practice and training in India. Int J Orthop Sci 2022;8(1):745-748.

Dr. Gaganpreet Singh

Sharma, P.K., Meena, S., Singh, G. et al. Orthopaedic surgery and its allied associations on social media: an observational study. Arch Orthop Trauma Surg (2021).

1. Number of citations 13
2. i10 index 0
3. h-index 2

Dr. Ranjeet Chaudhary

- Choudhary R, Kunal K, Sud A, Kumar R, Munde K, Roy S. Clinical outcome and correction following V osteotomy for genu valgum in adolescents and young adults: A systematic review. J Clin Orthop Trauma. 2022 Feb 9;26:101803. doi: 10.1016/j.jcot.2022.101803. PMID: 35211377; PMCID: PMC8850320.
- Agrawal AC, Inamdar AP, Garg AK, Choudhary R. Congenital Elbow Dislocation: A Case Report. JBJS Case Connect. 2022 Mar 16;12(1). doi:10.2106/JBJS.CC.21.00444. PMID: 35294416.



- Agrawal AC, Choudhary R, Nagaraju V, Sakale H. Management of fibrous dysplasia of the femur neck in a child by PHILOS Stabilization, curettage, and bone grafting: A case report. Int J OrthopSurg2021;29:21-5.

VII. Detail of Book published with indexing database

Sharma, P.K., Shankar, V., Mittal, R. (2021). Arthroscopic Management of Inflammatory Arthritis Affecting the Elbow. In: Lui, T.H. (eds) Arthroscopy and Endoscopy of the Hand, Wrist and Elbow. Springer, Singapore. https://doi.org/10.1007/978-981-16-4142-8_17

In chronological order and written in Vancouver style with the name of the AIIMS-Bathinda faculty highlighted in bold. Examples are given as under:

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

1. Training activities conducted,
2. surgeries, camps, etc.
3. Number of Conference Organized: 2

1. Training Program for orthopaedic operating room personnel, AIIMS Bathinda. 14.08.2021
2. Symposium on Rotator cuff tears, AIIMS Bathinda. 6.12.2021

Number of Workshop Organized

IX. Number of Thesis Supervised MD/MS

Thesis: 4

- Association between superior migration of humeral head, tear characteristic and functional outcomes in patients undergoing arthroscopic rotator cuff tear: an observational study in tertiary care hospital
- Comparison between contoured rod and straight rod in restoration of segmental and regional lumbar lordosis in single level open transforaminal lumbar interbody fusion: A randomized study
- Assessment of spinopelvic parameters in the normal Indian population and comparison with patients of chronic low backache: An observational study
- Comparative outcomes of risk stratified chemoprophylaxis vs aggressive chemoprophylaxis for deep venous thrombosis following total knee replacement.



X. Any other achievements in number

Orthopaedic Annual Symposium 2021



Nursing training program 2021



DEPARTMENT OF PEDIATRIC MEDICINE

Name of the Department	Pediatric Medicine
Head of the Department	Dr. Naveen Kumar

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Naveen Kumar	Associate Professor	01-08-2022
2	Dr. Prashant Chhabra	Assistant Professor	11-04-2022

II. Brief Introduction of the department:

Department of Paediatrics, AIIMS Bathinda is providing promotive, preventive, curative and rehabilitation services to the healthy and sick children under 18 years of age. Presently we have 15 indoor beds and average OPD load of 50 patients. Along with general paediatric care we are offering emergency services, special services for paediatric neurology and paediatric hemato-oncology patients. We are also running speciality clinics for neurology, respiratory illnesses, blood related disorders, paediatric cancers and paediatric kidney problems.

Along with patient care, we are actively involved in undergraduate and postgraduate teaching.

Unit expansion planned for the future:

- Pediatric Accident and Emergency Unit with facilities for golden hour management of all child health emergencies
- Pediatric Intensive Care Unit with facilities for advanced mechanical ventilation, multimodal monitoring of critically ill children and to provide all possible extracorporeal life supports
- Neonatal Intensive Care Unit with facilities for caring premature neonates and all neonatal diseases
- Pediatric neurology unit with facilities for electroencephalography (EEG), electrophysiology and comprehensive care for patients with epilepsy, neurometabolic diseases
- To establish a comprehensive neuro-development center and child guidance clinic for patients with developmental delay, ADHD, Autism and other developmental problems
- To establish a dedicated pediatric bronchocopy facility and pediatric pulmonology unit for chronic disease like Asthma, Cystic Fibrosis
- To initiate pediatric renal replacement therapy
- Pediatric oncology services for children suffering from hematological and other malignancies. Also to start stem cell transplantation
- To establish pediatric rheumatology, allergy and immunology services
- Telemedicine services



Academic expansion plan

- To start training programs (DM/Fellowship) in all pediatric subspecialties near future.
- To establish an advanced pediatric and neonatal skill lab for SIMULATION based training for medical and nursing students

Research plans

- To initiate translational research
- To perform high quality research relevant to local population
- To collaborate with other institutions for multicentre studies

Vision:

To transform care and inspire hope for all sick children in Punjab and nearby states in an equitable culture by promoting family-cantered child care, tireless advocacy, scientific discovery relevant to our need, and the high quality medical education of future leaders.

Mission:

To provide leadership training, research opportunities and mentorship to develop leaders equipped to make systematic and long lasting improvements to child health. To build a foundation from which its future graduates, post graduates and fellows will build careers that improve the health of underserved children through service innovation, policy, clinical research & community engagement.



DEPARTMENT OF PATHOLOGY

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

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Manjit Kaur	Additional Professor & Head	13-11-2019
2	Dr. Manmeet Kaur	Assistant Professor	30-01-2020
3	Dr. Jasmeen Kaur	Assistant Professor	21-03-2020
4	Dr. Gargi Kapatia	Assistant Professor	13-09-2021
5	Dr. Utkarshni	Senior Resident	13-03-2020
6	Dr. Akriti Jindal	Senior Resident	03-12-2021
7	Dr. Dhvani Jain	Junior Resident	01-02-2022
8	Dr. Akula Madhuri Priyanka	Junior Resident	01-03-2022

II. Brief Introduction of the department:

The Department of Pathology plays important role in providing a platform for medical education, training, health care, to develop a pattern of teaching in undergraduate and postgraduate medical education in all its branches. As a diagnostic department, we aim to cater to patient’s needs by creating all the laboratory facilities with all the updated advancement technologies aimed to improve the area of investigative medicine and expansion of test profiles to meet patients’ requirement. The diagnostic subspecialties within this Department include Histopathology, Cytopathology, Haematology and Clinical Pathology.

III. 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
International conferences				
1	Dr. Manjit Kaur Additional Professor	<i>CYTOMORPHOLOGICAL TYPES OF CERVICAL PAPANICOLAOU SMEAR ON ROUTINE CYTOLOGY-AN INSTITUTIONAL EXPERIENCE.</i>	50th Annual Conference of Indian Academy of Cytologists" held on November 19-21, 2021	AIIMS New Delhi.



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
2	Dr. Manjit Kaur Additional Professor	<i>Variability in cytomorphological features of pilomatricoma- A case report and review of literature 19-21 November 2021.</i>	50th Annual Conference of Indian Academy of Cytologists; held on November 19-21, 2021	AIIMS New Delhi
3	Dr. Manjit Kaur Additional Professor	<i>Expression of p53 and p16 in Carcinoma Breast Tissue: Depicts Prognostic Significance or Coincidence</i>	Surgery Congress 2022	United Kingdom
National conferences				
1	Dr. Manjit Kaur Additional Professor	<i>Female Carcinoma</i>	Female carcinoma Awareness Program	Central University of Punjab, Bathinda

IV. Faculty achievements –awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Manjit Kaur Additional Professor	Award of Honour	Bone marrow transplant Awareness Camp	Thalassemia Welfare Society

V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Manjit Kaur Additional Professor (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
2	Dr. Manjit Kaur Additional Professor	A prospective study to evaluate Anaemia as	AIIMS Bathinda	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		Disease burden in Geriatric patients at a Tertiary care centre in Punjab			
3	Dr. Manjit Kaur Additional Professor	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	AIIMS Bathinda	Ongoing	----
4	Dr. Manjit Kaur Additional Professor	To start testing and treatment for Haemoglobinopathies and Hemophilia	MoHFW	Ongoing	----
5	Dr. Manmeet Kaur (Assistant Professor) Dr. Jasmeen Kaur (Assistant Professor)	To evaluate the efficacy of new hematological parameters for screening of COPD patients in tertiary care hospital.	AIIMS Bathinda	Ongoing	Not Funded
6	Dr. Manjit Kaur Additional Professor (Co-PI)	Hospital Based Cancer Registry	National Cancer Registry, Bangalore	Ongoing	----
7	Dr. Manmeet Kaur (Assistant Professor)	Establishment of population-based cancer registry in the Bathinda, District of Punjab, India	National Cancer Registry, Bangalore	Ongoing	----
8	Dr. Manmeet Kaur (Assistant Professor) Dr. Jasmeen Kaur (Assistant Professor)	Association of mean neutrophil lymphocyte ration with disc herniation among patients visiting tertiary care institute.	AIIMS Bathinda	Ongoing	----
9	Dr. Manmeet Kaur (Assistant Professor)	Evaluation of mean platelet volume, platelet lymphocyte	AIIMS Bathinda	Ongoing	----



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
	Dr. Jasmeen Kaur (Assistant Professor)	ratio and neutrophil lymphocyte ratio in patients with knee osteoarthritis.			
10	Dr. Manmeet Kaur (Assistant Professor)	Role of micronucleus scoring in cervical intraepithelial lesions and carcinoma cervix.	AIIMS Bathinda	Ongoing	----
11	Dr. Manmeet Kaur (Assistant Professor)	Comparison of advance point of care testing system (Cervastra), with the conventional Pap Smears for screening of precancerous and cancerous cervical lesions: a pilot study.	AIIMS Bathinda	Ongoing	----
Projects submitted					
12	Dr. Manjit Kaur Additional Professor	<i>To evaluate association of Human Papillomavirus infection in breast cancer in Malwa Region of Punjab</i>	ICMR-DHR	----	45 lacs
13	Dr. Manjit Kaur Additional Professor	<i>To estimate the prevalence of hemoglobinopathies in the region.</i>	Blood Cell Punjab AIIMS Bathinda	----	----
14	Dr. Manjit Kaur Additional Professor (Co-PI)	Cancer Immunology & Immunotherapy – Modulating miRNA's and MAPKinome for enhancing the sensitivity of Metastatic Non Small Cell Lung Cancer for Immunotherapies.	Co-investigator	DBT	1crore
15	Dr. Manjit Kaur Additional Professor	Understanding the role of immunogenetics in	Co-investigator	ICMR-DHR	acs



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S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
	(Co-PI)	governing outcome of COVID 19 infections at AIIMS Bathinda			

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

Detail of Paper published with indexing database

Detail of Book published with indexing database

S. No	Particulars of Article (In Vancouver format)	Type	Indexed in	Impact Factor of the Journal	Citations
1	Roy, R.; Sharma, U.; Yadav, R.; Rana, M.K. ; Sharma, A.; Tanwar, P.; Jain, A.; Prakash, H. Epigenetic Programming of Cancer-Related Inflammation byncRNA Rheostat: Impact on Tumor Directed Immune Therapies. <i>Preprints 2021</i> , 2021090148 (doi: 10.20944/preprints202109.0148.v1)	Original article	Pubmed	----	----
2	Rana MK , Barwal TS, Sharma U, et al. Current Trends of Carcinoma: Experience of a Tertiary Care Cancer Center in North India. <i>Cureus</i> . 2021;13(6):e15788. Published 2021 Jun 21. doi:10.7759/cureus.15788	Original article	Pubmed	1.15	1
3	Rana MK , Rana APS, Khera U. Expression of p53 and p16 in Carcinoma Breast Tissue: Depicts Prognostic Significance or Coincidence. <i>Cureus</i> . 2021;13(11):e19395. Published 2021 Nov 9. doi:10.7759/cureus.19395	Original article	Pubmed	1.15	2
4	Rana MK . PP-99 CYTOMORPHOLOGICAL TYPES OF CERVICAL PAPANICOLAOU SMEAR ON ROUTINE CYTOLOGY-AN INSTITUTIONAL EXPERIENCE. <i>Journal of Cytology</i> Volume 38 Supplement 1 November 2021	Original study (Abstract published)	Pubmed	0.56	----
5	Utkarshni, Rana MK , Kaur A. PP-236 VARIABILITY IN CYTOMORPHOLOGICAL	Original study (Abstract	Pubmed	0.56	----



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	FEATURES OF PILOMATRICOMA- A CASE REPORT AND REVIEW OF LITERATURE. Journal of Cytology Volume 38 Supplement 1 November 2021	publishe d)			
6	Barwal TS, Sharma U, Rana MK et al. A diagnostic and prognostic value of blood-based circulating long non-coding RNAs in Thyroid, Pancreatic and Ovarian Cancer. January 2022. Critical Reviews in Oncology/Hematology. DOI: 10.1016/j.critrevonc.2022.103598	Review article	Pubmed (Elsevier)	6.312	2
7	Goyal LD, Garg P, Kaur M , Sharma D. Recurrent Dermatofibrosarcoma Protuberans of the Vulva: A Rare Occurrence and Review of Literature. J Fam Reprod Health 2021; 15(2): 136-40.	Original article	Pubmed	2.151	----
8	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.	Review article	Pubmed	----	----
9	Kapatia G , Wadhwa M, Malhotra P, Prakash G, Aggarwal R. Bisalbuminemia: A Pathologist's Insight of an Uncommon Phenomenon. J Lab Physicians. 2021 Sep;13(3):219-223. doi: 10.1055/s-0041-1730878. Epub 2021 Jun 16. PMID: 34602785; PMCID: PMC8478498.	Original article	Pubmed	----	----
10	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	Pubmed	2.085	----



For Book/ Chapter:

S. No.	Particulars of Chapter/ Book (in Vancouver format)
1	Rana APS, Rana MK (October 5th 2021). Papillary Neoplasm of Breast- Changing Trends in Diagnosis and Management, Global Women's Health, Zhengchao Wang, IntechOpen, DOI: 10.5772/intechopen.100115. Available from: https://www.intechopen.com/chapters/78614
2	Rana MK , Rana APS (Aug 2021). Pigmented Squamous Cell Carcinoma-A Rare Histopathological Variant. Issues and Development in Health Research Vol. 3, 163–167. https://doi.org/10.9734/bpi/idhr/v3/9175D
3	Rana APS, Rana MK . (May 2021). Surgical Management of Breast Lesions. Highlights on Medicine and Medical Research Vol. 11, 7–11. https://doi.org/10.9734/bpi/hmmr/v11/9115D

Dr. Manjit Kaur Rana

- | | |
|------------------------|--|
| 1. Research papers | 06 |
| 2. Book/Book chapter | 03 |
| 3. Number of citations | 184 (According to Google Scholar database) |
| 4. i10 index | 07 (According to Google Scholar database) |
| 5. h-index | 07 (According to Google Scholar database) |

Dr. Manmeet Kaur

- | | |
|------------------------|---|
| 1. Research papers | 02 |
| 2. Book/Book chapter | Nil |
| 3. Number of citations | 46 (According to Google Scholar database) |
| 4. i10 index | 01 (According to Google Scholar database) |
| 5. h-index | 03 (According to Google Scholar database) |

Dr. Jasmeen Kaur

- | | |
|------------------------|---|
| 1. Research papers | Nil |
| 2. Book/Book chapter | Nil |
| 3. Number of citations | 04 (According to Google Scholar database) |
| 4. i10 index | 00 (According to Google Scholar database) |
| 5. h-index | 01 (According to Google Scholar database) |

Dr. Gargi Kapatia

- | | |
|------------------------|---|
| 1. Research papers | 02 (Date of Joining, 13 Sep 2021- 31 March 2022). |
| 2. Book/Book chapter | Nil |
| 3. Number of citations | 95 (According to Google Scholar database) |
| 4. i10 index | 02 (According to Google Scholar database) |
| 5. h-index | 06 (According to Google Scholar database) |

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

Workshop in “Best practices in Phlebotomy” 7th & 8th December 2021

Hands on Training of Nursing Officers on Blood Sample Collection 2021



VIII. umber of Thesis Supervised MD/MS-1 (Phd)

Pathology-01

DEPARTMENT OF PATHOLOGY/LAB MEDICINE
ALL INDIA INSTITUTE OF MEDICAL SCIENCES
BATHINDA (PUNJAB)
CORDIALLY INVITES YOU TO WORKSHOP ON
"1st Session of BEST PRACTICES IN PHLEBOTOMY": 7-8 DEC 2021- 2:30PM ONWARDS

PATRON
Prof. Dr. D.K. Singh
Executive Director
AllMS Bathinda

Co- PATRON
Dr. Satish Gupta
Dean & AMS
AllMS Bathinda

ADVISORS
Dr. Lajya Devi Goyal
Prof & Head, Obstetrics & Gynecology

Dr. Akhilesh Pathak
Prof & Head, Forensic Medicine & Toxicology

Organizing Chairperson
Dr. Manjit Kaur Rana

Pathology 02





Pathology 03



Pathology 04



**DEPARTMENT OF PHARMACOLOGY**

Name of the Department	Pharmacology
Head of the Department	Dr. Mintu Pal

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Mintu Pal	Associate Professor	10-09-2021
2	Dr. Abhinav Kanwal	Assistant Professor	08-11-2019
3	Dr. Rachna Rohilla	Assistant Professor	22-07-2022

II. Brief Introduction of the department:**Vision**

Leadership in health sciences education, research and patient care services through inspirational learning environment for improving health and wellbeing.

Mission

- ❖ To enhance innovative and professional's growth to meet healthcare needs.
- ❖ To provide multidisciplinary and inspirational environment to students and researchers for learning and development.
- ❖ To achieve excellence in academics, research and patient care services.

III. 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 & designation of faculty	Title/Topic	Details of the Event	Organised by
National conferences/Academic programs				
1	Dr. Abhinav Kanwal, Assistant Professor	<i>Induction-cum Training program on Pharmacovigilance</i>	27-28 th April, 2021	NCC-PvPI India
2	Dr. Abhinav Kanwal, Assistant Professor	<i>Role of sirtuins in cardiac failure</i>	17 th June, 2021	AIIMS Bathinda (in Clinical meet)
3	Dr. Abhinav Kanwal, Assistant Professor	<i>Workshop-cum conference on Pharmacovigilance & Medicine safety</i>	18 th Feb., 2022	NCC-PvPI & AIIMS Bathinda
4	Dr. Abhinav Kanwal, Assistant Professor	<i>Pharmacological role of deacetylases in high fat diet</i>	17 th March, 2022	AIIMS Bathinda



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
		<i>induced toxicity in cardiomyocytes</i>		(in Clinical meet)
5	Dr. Mintu Pal Associate Professor	<i>Development of bioengineered hydrogel/3D-fibrous scaffold to study Epithelial-Mesenchymal Transition (EMT) and breast cancer stem cells</i>	21 st October 2021	AIIMS Bathinda (in Clinical meet)
6	Dr. Mintu Pal Associate Professor	<i>Workshop-cum conference on Pharmacovigilance & Medicine safety</i>	18 th Feb., 2022	NCC-PvPI & AIIMS Bathinda

IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Abhinav Kanwal	Selected as Executive Council Member	For the years 2022-2025	International Academy of Cardiovascular Sciences (IACS)
2	Dr. Abhinav Kanwal	Life member	----	Association of Physiologists & Pharmacologists of India (APPI)
3	Dr. Mintu Pal	Life member	----	Association of Physiologists & Pharmacologists of India (APPI)

V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Abhinav Kanwal (Assistant Professor)	<i>Exploring the role of mitochondria-targeted antioxidants against Chemotherapy-</i>	Extramural - ICMR Funded Project	Ongoing	Rs 20 Lacs



S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		<i>induced side effects in mice heart</i>			
2	Dr. Abhinav Kanwal (Assistant Professor)	<i>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</i>	Intramural	ongoing	NIL
3	Dr. Mintu Pal (Associate Professor) Student – Mr. Archit Goel	<i>Exploring the diagnostic potential of a novel panel of proteomic exosomal urine biomarkers for non-invasive early clinical detection of Prostate cancer: A Cross-Sectional Study</i>	ICMR-STS Project	ongoing	Awaited
4	Dr. Abhinav Kanwal (Assistant Professor) Student – Mr. Nikhil Gupta	<i>To elucidate the functional role of Sirt6 in knee osteoarthritis patients of the Indian population</i>	ICMR-STS Project	ongoing	Awaited

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

Detail of Paper published with indexing database

- **M Pal**, T Muinao, HPD Boruah, N Mahindroo. (2022) Current advances in prognostic and diagnostic biomarkers for solid cancers: Detection techniques and future challenges. *Biomedicine & Pharmacotherapy* 146, 112488 (Corresponding author)(IF 6.5).
- **A Kanwal**, N Kanwar, S Bharati, P Srivastava, SP Singh, S Amar. Exploring New Drug Targets for Type 2 Diabetes: Success, Challenges and Opportunities. *Biomedicines*, 2022, 10 (2), 331. (IF-6.02).
- SP Singh, S Amar, P Gehlot, SK Patra, N Kanwar, **A Kanwal**. Mitochondrial Modulations, Autophagy Pathways Shifts in Viral Infections: Consequences of COVID-19. *International Journal of Molecular Sciences*, 2021, 22 (15), 8180 (IF-5.9)
- Shailendra Pratap Singh, Aayushi Bhatnagar, Sujeet Kumar Singh, N Kanwar, S Amar, R Manna, **A Kanwal**. SARS-CoV-2 Infections, Impaired Tissue, and Metabolic Health: Pathophysiology and Potential Therapeutics. *Mini Reviews in Medicinal Chemistry*, 2022, 01. (IF- 3.8)
- M Matiyani, A Rana, **M Pal**, S Rana, AB Melkani, NG Sahoo (2022) Polymer grafted magnetic graphene oxide as a potential nanocarrier for pH-responsive delivery of



sparingly soluble quercetin against breast cancer cells. RSC Advances 12 (5), 2574-2588 (IF 3.36).

- Barodia K, Cheruku SP, **Kanwal A**, Menon A, Rajeevan R et. al. Effect of Moringa oleifera leaf extract on exercise and dexamethasone-induced functional impairment in skeletal muscles. Journal of Ayurveda and integrative medicine, 2022, 13 (1), 100503 (IF-1.28)
- S Yadav, MA Sadique, **M Pal**, R Khan, AK Srivastava. (2022) Cytotoxicity and DNA fragmentation-mediated apoptosis response of hexagonal ZnO nanorods against human prostate cancer cells. Applied Surface Science Advances 9, 100237.

Detail of Book published with indexing database

1. *N Kanwar, U Anushree, KP Divya, SP Singh, S Bharati, A Kanwal. Biological systems and nanopharmacokinetics. Nano-Pharmacokinetics and Theranostics*; 2021, 153-170.

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

Training activities conducted -07

A. National Pharmacovigilance Week- 2021

September 17th - 23rd, 2021

Pharmacovigilance week has been celebrated first time in the AIIMS Bathinda with active participation of MBBS students, Nursing officers and general public. It has been organized with the aim of imparting awareness about the Pharmacovigilance program of India and around the world. The main topics covered were:

1. What is Pharmacovigilance program of India?
2. Role of Pharmacovigilance in health care and its importance
3. Writing and reporting of ADRs
4. Who can report?
5. Role of Health care workers in ADR Reporting.

Coordinator: Dr Abhinav Kanwal, Department of Pharmacology, AIIMS Bathinda

B. Pharmacology Expert Talk series

14th, 25th November, 2021

Department of Pharmacology has conducted two seminars on the importance of formulary list of medicines preparation and SOP's of quality assured medicines than Quality assumed medicines on 14th and 25th November, 2021.

Speaker: Dr. Suresh Saravdekar, Vice Chairman, Hospital-IPA, Freelance medical consultant, BHU University, Varanasi

Organizing Members: Dr Abhinav Kanwal, Dr Mintu Pal

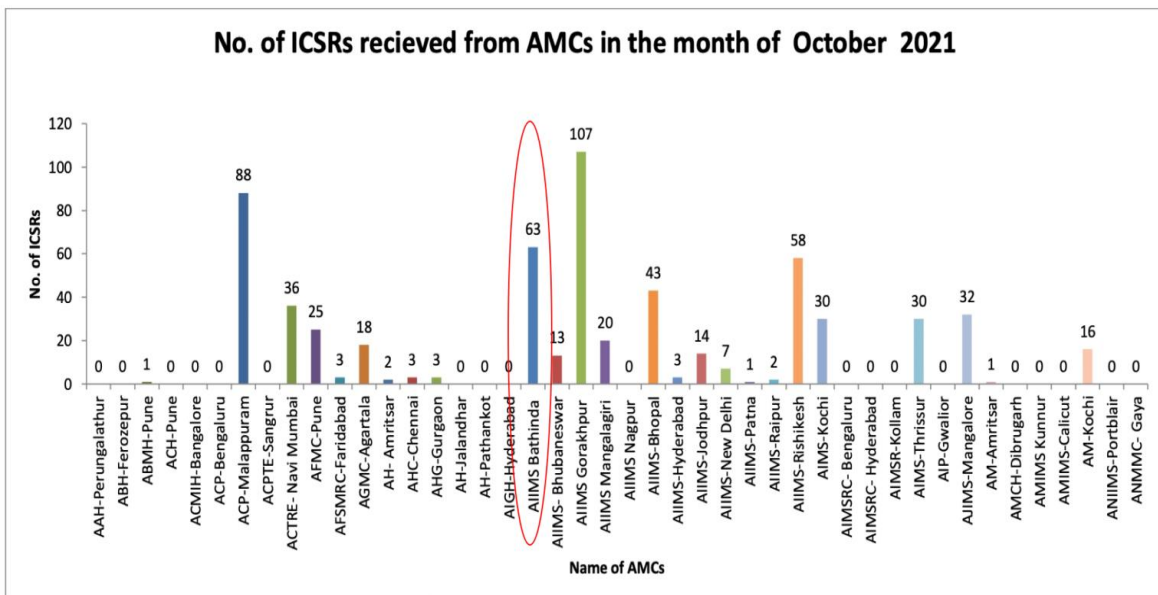


C. COVID CARE Helpline, AIIMS Bathinda

Department of Pharmacology has successfully run AIIMS Bathinda COVID Helpline. The aim of this helpline is to impart information related to Covid-19 to the general public, what precautions should take if anyone is infected. We also provided information related to availability of the bed in the AIIMS hospital, if required for the admission. At last, availability of COVID-19 vaccine and its time schedule information was also shared over telephone.

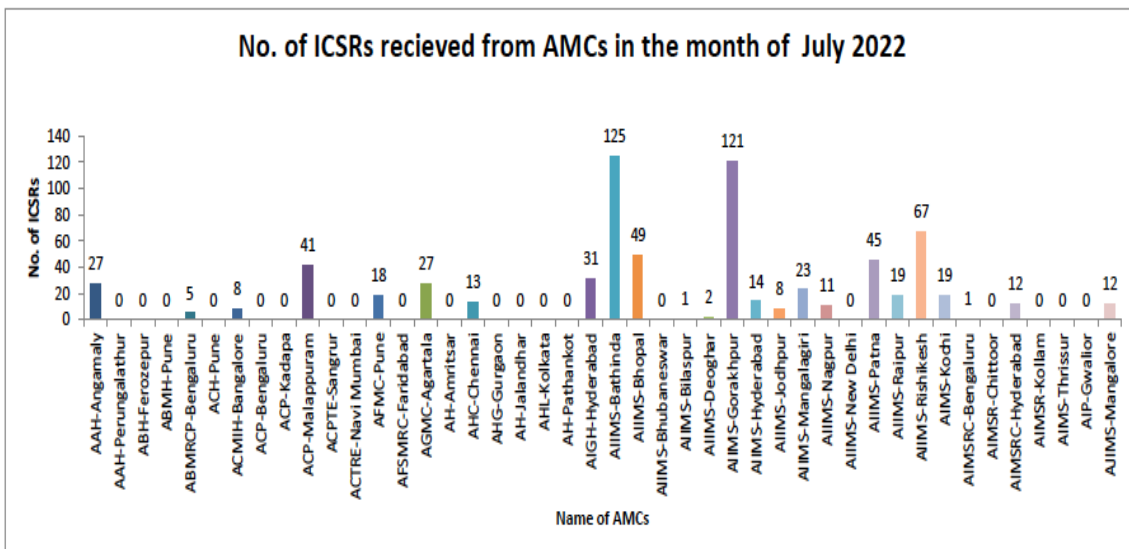
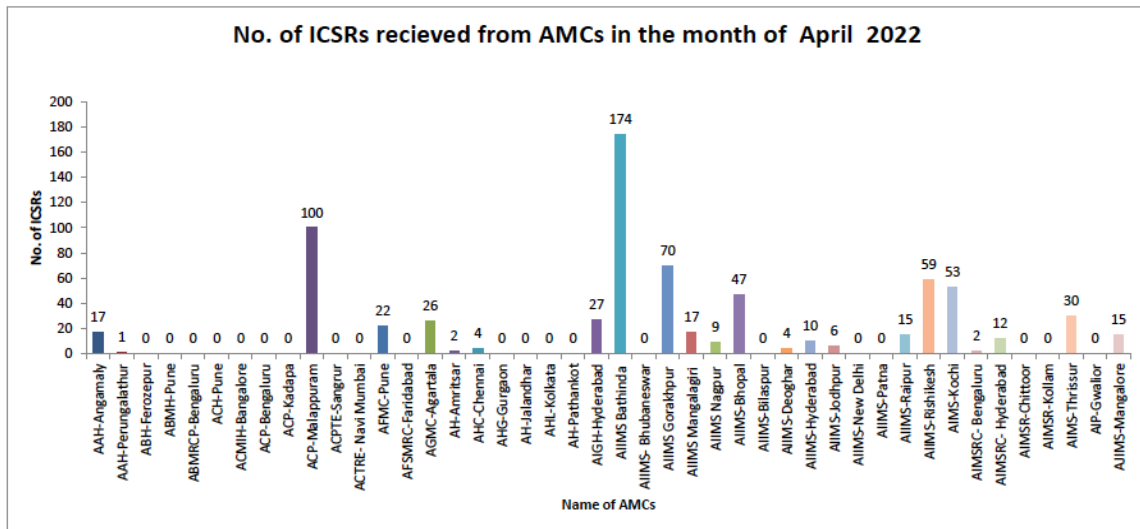
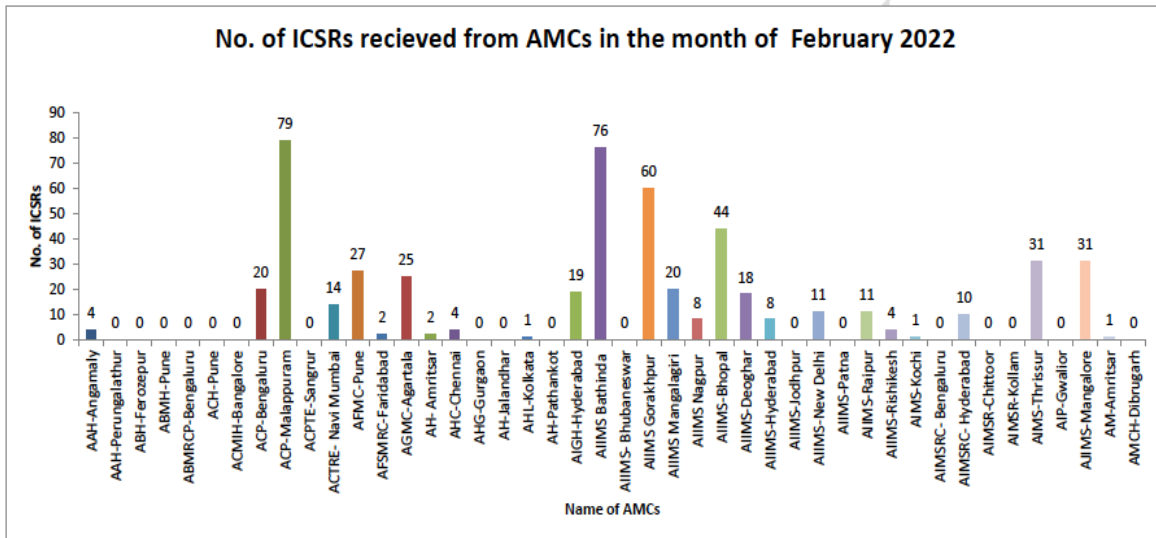
D. ADR Monitoring and Reporting

Department of Pharmacology is actively involved in the reporting of ADR in AIIMS hospital which were directed to National centre, NCC-PvPi centre, Ghaziabad, Govt. of India. Department has reported more than 400 ADRs till date. Department is actively following-up the individuals who have received 1st and 2nd dose of vaccine in the AIIMS Hospital. For this the department is well appreciated as per the feedback by the individuals over the phone.





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E. Health literacy and awareness on Medicine Safety: - Source: NCC-PvPi Ghaziabad, Ministry of Health and Family Welfare, Govt. of India.

The Department of Pharmacology actively organized **this workshop cum conference with the active participation of PG students, MBBS UG students**, Nursing Officers, MRSPTU, Central University of Punjab students and others.

Various topics were discussed by our esteemed guests in the programme.

1. Pharmacovigilance Program of India
2. Materiovigilance, hemovigilance causality assessment, usage and importance of vigiflow and data mining.
3. Role and importance of clinicians in Pharmacovigilance of any hospital setup.

SPEAKERS:

Dr. Jai Prakash – I/C INDIAN PHARMACOPOEIA COMMISSION, Gol.

Dr. Bikash Medhi-- Dept. of Pharmacology, PGI Chandigarh

Dr. Ajay Prakash -- Dept. of Pharmacology, PGI Chandigarh

Dr. Tarun Goyal– Dept. of Orthopaedics, AIIMS Bathinda

F. FIRST INSTITUTIONAL ANIMAL ETHICS COMMITTEE MEETING (IAEC)

Institutional Animal Ethics Committee (IAEC) meeting was held on 15th February '22 at AIIMS Bathinda. The committee ensure compliance with all regulatory requirements, applicable rules, guidelines and laws for conducting evidence-based research like new drug discovery, drug formulation studies and others for which we require animal models as integral part of pre-clinical studies.

G. ADVERSE DRUG REACTION SENSITIZATION TRAINING PROGRAMME

Outline of the program Agenda

The pivotal motive of the programme is to create an awareness among the Health Care Professionals regarding the reporting of Adverse Drug Reactions in the hospital. This programme will help us to identify an ADR, if they suspect any and also tell them about the availability of the ADR forms or how and where they can report the same.

Outcome of the Training

All the participants got the brief understanding regarding the importance of Adverse Drug Reaction and its reporting for the safety of the consumers. In this training, we have illustrated the detailed guidance of reporting the Adverse Drug Reactions to AMC or how can they send the report to the both AMC or IPC. Also, demonstration of the suspected ADR reporting forms was presented in detail and each section of the form was explained for better understanding. The doubts were discussed in between the presentation if any raised by the person attending. Participants assured that they understood it well but still if any doubts are



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There can be discussed any time in future with the help of PV Associate or coordinators. The purpose of the training was fulfilled as all were acknowledged with the type of reactions they can report, how and to whom they can report.

More importantly, we have cleared the doubts of the listeners regarding the reporter details by making them believe that the reporter's detail is purely confidential and would never be used for any medico legal purpose. Additionally, participants understood the priority of reporting the ADR with the motivation being provided to them by giving the examples of individuals (within the hospital and outside the hospital) who have reported. We have focused to provide them convenient ways to report the ADRs by distributing the print outs of suspected ADR reporting forms and also made the form available on the AIIMS website. Details of helpline numbers of the AMC as well as IPC were provided in the form of posters which would be helpful for them in case of any difficulty while reporting the ADRs.

Number of Conference Organized -01

Number of Workshop Organized - 01

VIII. Number of Thesis Supervised MD/MS

S. No	Name of Guide	Designation	Name of MD student	Thesis Title
1	Dr. Mintu Pal	Associate Professor	Dr. Abhimanyu Agrawal	Exploration of gene expression profiling to predict androgen deprivation therapy and chemotherapy mediated resistance in patients of prostate cancer.
2	Dr. Abhinav Kanwal	Assistant Professor	Dr. Kanwarpreet Sadhu	The Effect of Cyanocobalamin Supplementation on Eating pattern and Glycemic Control in Type 1 Diabetes Mellitus Patients

IX. Any other achievements in number

Pharmacovigilance Week- 2021



Pharmacology/01



Pharmacology/02



**Pharmacology Expert Talk series 14th, 25th
November, 2021**

Five Important Committees & Their Functions

- **Constitution of STG Committee**- consisting of experts from all clinical specialties to Prepare Standard Treatment Guidelines (STGs) based on actual Health Needs of the particular state.
- To Pick up the essential medicines from STGs and prepare state list called SLEM based on NLEM
- **Constitution of Prequalification, Monitoring & Evaluation committee (PMEC)**- consisting of experts from pharmacy, representatives from Medical Superintendents of major hospital and representative from the finance department.
- **Constitute Drugs & Therapeutic Committee (DTC)** consisting of experts from pharmacology, medicine, surgery, pharmacy and representation of Medical Superintendents from major hospitals in the state.
- **Constitute Tender Approval committee (TAC)** consisting of experts from pharmacology , medicine , surgery , pharmacy, FDA and Medical Superintendents of major hospitals.
- **Grievance Redressal Committee**- consisting of experts from medicine , surgery, pharmacology, pharmacy, finance, administration

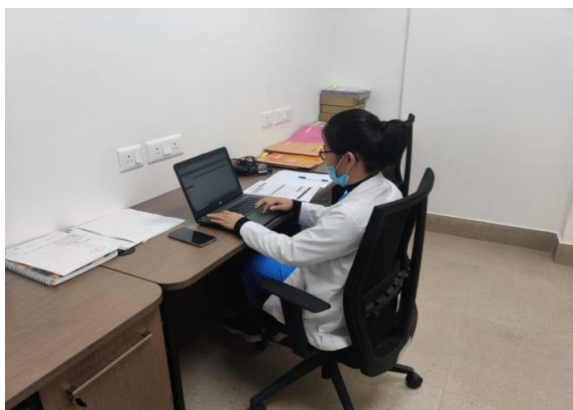
Pharmacology/03



Pharmacology/04

ADR Monitoring and Reporting.

**Health literacy and awareness on
Medicine Safety**



Pharmacology/05



Pharmacology/06



FIRST INSTITUTIONAL ANIMAL ETHICS COMMITTEE MEETING (IAEC)



Pharmacology/07



Pharmacology/08

ADVERSE DRUG REACTION SENSITIZATION TRAINING PROGRAMME



Pharmacology/09



Pharmacology/10



DEPARTMENT OF PHYSIOLOGY

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

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Sonia Kochhar	Additional Professor	13-08-2019
2	Dr. Meena Mirdha	Assistant Professor	17-08-2019
3	Dr. Dipti Magan	Assistant Professor	14-08-2019
4	Dr. Mamta Mohan	Assistant Professor	27-08-2019

II. Brief Introduction of the department:

Vision:

Leadership in Education & Research to provide best of knowledge & skills

Mission:

To establish a centre of excellence in medical education & research with an extended hand towards patient care.

Services provided:

- a. **Simulation Skill lab:** Already inculcated in teaching curriculum to enhance skill-based learning for undergraduates, nursing and respiratory therapist students
- b. **Research:** To motivate students for research projects

Expansion planned for the future:

- a. **Clinical Services:** Clinical Physiology laboratory services to be extended to the Hospital side for diagnostic NCV, EEG, EMG & Autonomic function laboratory tests
- b. **Academics and teaching:** To provide integrative & skill-based learning
- c. **Research:** To promote neurophysiology research activity and various other intramural & extramural projects. Also, to develop Sleep analysis lab, exercise physiology & yoga health clinics to use innovative skills in research.



Patient care:

For departments engaged in clinical patient care:

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

III. 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 & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Sonia Kochhar Additional Professor	<i>“An approach Towards Integrated Teaching : Case Based Learning (CBL) in Physiology ”</i> E-poster presentation	Virtual International Conference for Health Professions Education (VICHPE) organized by Dept of Medical Education, Era University, Lucknow & AISIVU, USA on 6 th - 8 th April 2021	
2	Dr. Dipti Magan Assistant Professor	<i>“Psychoneuroimmunological mechanism of long-term Preksha Meditation” for 1e-poster presentation (PC71) in Future Physiology: 2021 and Beyond</i>	The Physiological Society-Conference on 19-22 April, 2021 at University of Nottingham, UK.	
National conferences				
4	Dr. Sonia Kochhar Additional Professor	<i>“Effectiveness of Basic Life Support Training on First Year Medical Students”</i> E-poster presentation	Virtual Medical Education Conference (MEDUCON-2021) organized by Medical Education dept of JIPMER Puducherry from 2-3 September 2021	



IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Dipti Magan Assistant Professor	Awarded with Prof. A.S. Piantal award for the Best Research Work in Physiology entitled " <i>Brain plasticity & Neurophysiological correlates of meditation in long-term meditators: An 18FDG-PET study based on an innovative methodology</i> "		Association of Physiologists of India (ASSOPI) for the year 2021 on 7th September, 2021.

V. Research activities undertaken in the department:

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

Project Sanctioned with amount (PI. mention the amount only)

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

Number of Project undergoing with the name of Funding Agency

S. No	Name & designation of PI	Title of the project	Source of support Intramural/extra mural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Sonia Kochhar	<i>"Impact of BLS training in First year MBBS Students"</i>	Intramural	Completed	Non funded
2	Miss Hargun Kaur (Student) Dr. Sonia Kochhar	<i>"A cross-sectional study to evaluate the chronotype variations and its correlation with quality of sleep and anxiety among medical undergraduates"</i>	ICMR STS 2022 approved [Proposal Reference ID: 2022-00437]	Applied in Research cell AIIMS Bathinda for institute ethical approval	Funded approved by ICMR-STS, 2022
3	Miss Girisha Prajapat (Student) Dr. Dipti Magan	<i>"Assessment of cognitive functions in patients with alcohol-use"</i>	ICMR STS 2021 approved [Reference ID: 2020-09331]	Completed	Funded approved by ICMR-STS,



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		<i>disorder: PsychoBiochemical Evidences”</i>			November 2021
4	Miss (Student) Dr. Dipti Magan	<i>“Role of obesity on cognitive functions in middle aged obese subjects”</i>	ICMR STS 2021 approved [Reference ID: 2020-09331]	Applied in Research cell AIIMS Bathinda for institute ethical approval	Funded approved by ICMR-STs, 2022
5	Mr Rahul Bhalla (Student) Dr. Meena Mirdha	<i>“Assessment of mental health and electroencephalographic Patterns of haemophilic in the times of COVID-19 pandemic”</i>	ICMR STS 2022 approved [Reference ID: 2022-04747]	Applied in Research cell AIIMS Bathinda for institute ethical approval	Funded approved by ICMR-STs, 2022
6	PI:- Dr Navita Aggrawal Co-PI: - Dr. Meena Mirdha (Co-PI)	<i>“Implementation of self-directed learning module on first year students”</i>	Intramural	Ongoing	Non funded
Projects submitted					
7	Dr. Meena Mirdha	<i>“Feedback on online academic activity, level of internet addiction and insomnia among 1st year undergraduate medical students and teachers during COVID-19 pandemic: a multicentric study”</i>	Multicentric project	Completed in AIIMS Bathinda centre and data submitted to PI	NA

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

Detail of Paper published with indexing database

Detail of Book published with indexing database

In chronological order and written in Vancouver style with the name of the AIIMS-Bathinda faculty highlighted in bold. Examples are given as under:



For Journal: Name (as kakkar R), Title of study, Journal PubMed abbreviation (as Indian J Med Res.). Year month (as Oct) day;Vol (Issue):Page no.

For Book/ Chapter:

Example: Carlson BM. Human embryology and developmental biology. 3rd ed. St. Louis: Mosby; 2004.

Edited book: (add editor or editors after the name/s)

Example: Brown AM, Stubbs DW, editors. Medical physiology. New York: Wiley; 1983

1. Research papers
2. Book/Book chapter
3. Number of citations
4. i10 index
5. h-index

Publication (2021-22)

- Ashwani Ummat, **Sonia Kochhar**. *An approach Towards Integrated Teaching Case Based Learning (CBL) in Physiology*. J Punjab Acad Forensic Med Toxicol; August 2021; Vol 21(1), ISSN:0972-5687 doi 10.5958/0974-083X.2021.00034.0
- Kanika Kohli, Ranjodh Jeet Singh, **Sonia Kochhar**. Case Report titled “*Acute Suicidal Poisoning by Aluminum Phosphide: Rare Case Report from Northern Rural India*” Asian J Pharm Clin Res. 2021; 14(8):1-2.
- **Mirdha M**, Vishwakarma LC, Sharma HB, Mallick HN. *Physiological changes during yogic relaxation practices*. Natl J Physiol Pharm Pharmacol 2022;12(7).
- **Mirdha M**, Sharma HB. *Effect of yogic relaxation practices on reaction time*. Natl J Physiol Pharm Pharmacol 2022;12(2)
- **Magan D**, Yadav RK. *Right Broca’s area is hyperactive in right-handed subjects during meditation: Possible clinical implications? Medical Hypotheses* 2021;150:110556.

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

Training activities conducted,
surgeries, camps, etc.

Number of Conference Organized - 01

Number of Workshop Organized

- **Dept. of Physiology** organized CME on “*Autonomic Function Tests: An Update*” on 29th January 2022
- **Dept. of Physiology** inaugurated “*SIMULATOR LAB*” in Physiology Department 10th Nov 2021
- **Dept. of Physiology** conducted *First General Body Meeting Local Chapter APPICON Bathinda* on 16th July 2021



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- **Dept. of Physiology** conducted Guest lectures on Electrophysiology and Endocrinology for first year undergraduate students at AIIMS, Bathinda July, 2021
- **Dr. Meena Mirdha** as Organizing committee member of Hands-on Training Workshop on “*Self Directed Learning*” held at AIIMS Bathinda on 13th Dec 2021
- **Dr. Meena Mirdha** as a Resource person of workshop on “*Online teaching and assessment in current scenario*” held at AIIMS Bathinda on 20th April 2021
- **Dr. Meena Mirdha** as Guest speaker in workshop on “*Burnout of Medical Professionals during COVID Pandemic*” at AIIMS, Bathinda on 30th June 2021

VIII. Number of Thesis Supervised MD/MS

IX. Any other achievements in number

S. No.	Faculty	Achievements
1	Dr. Sonia Kochhar	Successfully completed BLS & ACLS training course conducted by international training Centre of American Heart Association held on 11 to 12 August 2021 at BFUHS, Faridkot
2	Dr. Sonia Kochhar	Successfully completed online Basic Course in Biomedical Research by Indian Council of Medical Research (ICMR) and National Institute of Epidemiology (NIE) [score of 87%]
3	Dr. Mamta Mohan	Successfully completed and got e-certificate for Ethics Review of Health Research (Swayam Course)
4	Dr. Mamta Mohan	Successfully completed and got e-certificate for Scientific Writing in health Research (Swayam Course)

Monika Kamra, Lily Walia, Sonia Kochhar. “Changes in the Brainstem Auditory Evoked Potentials in the Chronic Obstructive Pulmonary Disease” Indian Journal of Public Health Research & Development, October 2019, Vol. 10, No. 10 doi 10.5958/0976-5506.2019.02773.6

Ashwani Ummat, Sonia Kochhar, Harish V.K. Ratna. “An Approach Towards Integrated Teaching: Case-Based Learning (CBL) in Physiology”, J Punjab Acad Forensic Med Toxicol 2020;20(2) ISSN: 0972-5687

Magan D, Yadav RK. Neural mechanism of attention control in long-term preksha meditation. Medical Hypotheses 2020; 143:109953.

Magan D, Yadav RK. Long-term, regular yoga-meditation reduces unhealthy stress and boosts immunity. Science Discoveries.degruyter.com, Jan 2020.

Magan D, Yadav RK, Bal CS, Mathur R, Pandey RM. Brain plasticity& Neurophysiological correlates of meditation in long-term meditators: An 18FDG-PET study based on an innovative methodology. Journal of Alternative and Complementary Medicine, 2019; 25(12):1172-1182.

Magan D, Yadav RK. Physiological Persona Differences Based on Stress and Inflammation between Meditators and Healthy Controls. Journal of Complementary and Integrative Medicine 2019;17(2):j/jcim.2020.17.issue-2/jcim-2019-0106/jcim-2019.

**DEPARTMENT OF PSYCHIATRY**

Name of the Department	Psychiatry
Head of the Department	Dr. Jatinder Aneja was HOD from 01 Apr 2021-31 Mar 2022 (Prof. (Dr.) Gurvinder Pal Singh Joined on 29-4-2022)

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Gurvinder Pal Singh	Prof and head	29-04-2022
2	Dr. Jitender Aneja	Associate Professor	12-11-2019
3	Dr. Bharat Udey	Assistant Professor	13-12-2019
4	Dr. Jawahar Singh	Assistant Professor	30-08-2021

II. 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 two faculty members namely Dr. Jitender Aneja, Associate Professor and Dr. Bharat Udey, Assistant Professor. Dr. Jawahar Singh has joined the department on 30th August 2021 and Dr Gurvinder Pal Singh Joined recently on 29th April, 2022.

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 & Friday), Child and Adolescent Psychiatry Clinic (CAPC) (Saturday), Geriatric Mental Health Clinic (GMHC) (Wednesday), Marital & Psychosexual Clinic (MPC; Wednesday), and Psychological Interventions (Thursday).



III. 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. Jitender Aneja	Moderated session on "Relationship of metabolic syndrome and sleep"	12 th September 2021 at Postgraduate Development Program	North-Zone of Indian Psychiatric Society.
2	Dr. Jawahar Singh	Chaired a online session on Mental Health Awareness	25 th October 2021	Mental Health Foundation, India

IV. Research activities undertaken in the department:

Name of Faculty: Jitender Aneja

Designation: Associate Professor

Ongoing Projects:

As Principal Investigator:

- a. An exploratory study to evaluate Restless legs syndrome in patients attending psychiatry outpatient at a tertiary care hospital in Punjab
- b. Patient Satisfaction with Telemedicine Services Delivered through WhatsApp Messenger at a Tertiary Care Hospital in Punjab.

As Co-Investigator

- a. A study to evaluate Mental Health outcomes among COVID 19 inpatients at a tertiary care hospital in Punjab
- b. Assessment of health status, psychological profile, and lifestyle habits of Indian medical graduate students in a tertiary care institute in north India
- c. Assessment of the knowledge, attitude, anxiety episode, and perceived psychological impact of COVID-19 pandemic on medical undergraduate students.

Faculty name: Dr. Bharat Udey

Designation: Assistant Professor

Research Project:



As Principal Investigator:

- a. A study to evaluate Mental Health outcomes among COVID 19 inpatients at a tertiary care hospital in Punjab

As Co-Investigator

- a. An exploratory study to evaluate Restless legs syndrome in patients attending psychiatry outpatient at a tertiary care hospital in Punjab.
- b. Neuropsychiatric adverse effects of Montelukast therapy in ENT patients.
- c. Age Related Hearing Impairment Demography and Quality of life
- d. Prevalence of mental health disorders in Head and Neck cancer patients

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

Detail of Paper published with indexing database

Detail of Book published with indexing database

Name of Faculty: Jitender Aneja

Designation: Associate Professor

Publications:

- Chavan BS, Sidana A, Arun P, Rohilla R, Singh GP, Solanki RK, **Aneja J**, Murara MK, Verma M, Chakraborty S, Singh C, Sharma H, Sharma R, Bahri S (Retd), Dushant. Psychiatric morbidity and substance use in migrant workers: A population-based study. *Int J Soc Psychiatry*. 2021 Jan 14;20764020988881. doi: 10.1177/0020764020988881.
- Panda T, **Aneja J**. Transvestic disorder, obsessive - compulsive disorder and bipolar disorder in an adolescent male: Diagnostic conundrums and management difficulties. *Journal of Psychosexual Health* 2021;1-3. <https://doi.org/10.1177/2631831821991800>.
- Chavan BS, Sidana A, Arun P, Rohilla R, Singh G, Solanki R, **Aneja J**, Murara M, Verma M, Chakraborty S, Singh C, Sharma H, Sharma R, Bahri S, Bhanwra D. Factors leading to reverse migration among migrant workers during COVID-19 pandemic: a multicentric study from Northwest India. *Prim Care Companion CNS Disord* 2021;23(2):20m02810.
- **Aneja J**, Arora S. Telemedicine & Ethics: Opportunities in India. *Indian J Med Ethics*. 2021. Published online 28-05-2021; DOI: <https://doi.org/10.20529/IJME.2021.042>
- Panda TK, **Aneja J**. Recurrent idiopathic catatonia in an elderly patient with successful weaning off lorazepam. *Journal of Geriatric Mental Health*. 2021;8:56-7.
- KHS Naveen, Rajasekhar T, Raghav P, Aneja J, Gupta MK, Sharma PP, Goel AD, Srinivasan S, Prasanna T. Prevalence, and predictors of internet addiction among college students in Jodhpur city, India. *International Journal of Epidemiology*; 2021,50 (S- 1):i123-4.
- Chavan BS, Sidana A, Arun P, Rohilla R, Singh GP, Solanki RK, **Aneja J**, Murara MK, Verma M, Chakraborty S, Singh C, Sharma H, Sharma R, Bahri S (Retd), Dushant. Psychiatric morbidity and substance use in migrant workers: A



population-based study. *Int J Soc Psychiatry*. 2021 Jan 14;20764020988881. doi: 10.1177/0020764020988881.

- Panda T, **Aneja J**. Transvestic disorder, obsessive - compulsive disorder and bipolar disorder in an adolescent male: Diagnostic conundrums and management difficulties. *Journal of Psychosexual Health* 2021;1-3. <https://doi.org/10.1177/2631831821991800>.
- Chavan BS, Sidana A, Arun P, Rohilla R, Singh G, Solanki R, **Aneja J**, Murara M, Verma M, Chakraborty S, Singh C, Sharma H, Sharma R, Bahri S, Bhanwra D. Factors leading to reverse migration among migrant workers during COVID-19 pandemic: a multicentric study from Northwest India. *Prim Care Companion CNS Disord* 2021;23(2):20m02810.
- **Aneja J**, Arora S. Telemedicine & Ethics: Opportunities in India. *Indian J Med Ethics*. 2021. Published online 28-05-2021; DOI: <https://doi.org/10.20529/IJME.2021.042>
- Panda TK, **Aneja J**. Recurrent idiopathic catatonia in an elderly patient with successful weaning off lorazepam. *Journal of Geriatric Mental Health*. 2021;8:56-7.
- KHS Naveen, Rajasekhar T, Raghav P, Aneja J, Gupta MK, Sharma PP, Goel AD, Srinivasan S, Prasanna T. Prevalence, and predictors of internet addiction among college students in Jodhpur city, India. *International Journal of Epidemiology*; 2021,50 (S- 1):i123-4. [ABSTRACT]

VI. Membership/Post in Journal or Society or Association (List those obtained in the specified time)

1. Associate Editor of Journal of Indian Association of Child and Adolescent Mental Health.
2. Member Editorial Board for the Journal of Disability Management and Rehabilitation

Reviewer for journals: I have been reviewer for various national and international journals such as Indian Journal of Psychiatry, Indian Journal of Social Psychiatry, Journal of Indian Association for Child and Adolescent Mental Health, Journal of Human Behavior and Mental Health, Indian Journal of Medical Research, Journal of Disability Management and Rehabilitation , BMC Pregnancy and Child Birth, Journal of Neuropsychiatric Diseases and Treatment, International Journal of Public Health Sciences.

Others

1. Member of Institutional Ethics Committee of AIIMS, Bathinda
2. Member of Recruitment Cell, AIIMS, Bathinda
3. Officer-in-charge Surgical/Receipt store, AIIMS, Bathinda
4. Member of Committee for Women Grievance Cell



Course accomplished

Completed 12-week course on “Genome Variant Analysis and Clinical Interpretation” conducted by CSIR Institute of Genomics and Integrative Biology, New Delhi.

Name of Faculty: Bharat Udey

Designation: Assistant Professor

Membership/Post in Journal or Society or Association (List those obtained in the specified time period)

1. Member of American Psychiatric Association.
2. Life Member of Indian Association of Private Psychiatry

Others

1. Member of anti-ragging committee, AIIMS, Bathinda
2. Member of disciplinary committee, AIIMS, Bathinda
3. Member of Central for Medical Education & Technology, AIIMS, Bathinda

Name of Faculty: Dr Jawahar Singh

Designation: Assistant Professor

Publications

1. Singh J, Sood M, Chadda RK, Singh V, Kattula D. Mental health issues and coping among health care workers during COVID19 pandemic: Indian perspective. Asian Journal of Psychiatry. 2021 Jul 1;61:102685.
2. Singh J, Gupta P, Verma R, Kumar N. A Case of Unusual Phenomenology of Obsessive-Compulsive Disorder. Psychiatric Annals. 2021 Sep 1;51(9):443-4.
3. Mathur R, Singh J, Sood M. A Case Report of Clozapine-Associated Stuttering and Amisulpride-Associated Stuttering and Seizure in an Adult on Concurrent Fluoxetine Therapy. Journal of Clinical Psychopharmacology. 2021 May 1;41(3):330-2.
4. Assessment of Mental Health Issues Among Geriatric Population During COVID19 Pandemic, Indian Perspective (accepted for publication in Asian Journal of Psychiatry)



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

Training Activities Organized by the Department of Psychiatry

1. On “World Suicide Prevention Day” 10th September 2021, organised a panel discussion under the theme of “Role of various stakeholders in Suicide Prevention”. This panel discussion was organised at institute level, which was attended by various stakeholders of society including Sh. Jaskaran Singh IPS (Inspector General of Bathinda Police), Sh. Rohit Sharma (Advocate, Punjab and Haryana high court), Sh. Vishal Joshi (Senior Journalist in Hindustan Times), and Dr. Arun Bansal (eminent psychiatrist from Bathinda). The aim of this day was to raise awareness in order to strengthen the commitment and action to prevent suicides.
2. Organized various Information Education Communication activities in the institute to raise awareness about mental health and associated problems (between 7th to 13th October 2021) on “World mental Health Week 2021.

IEC activities included -

- Every day awareness talks for patient & their relatives visiting AIIMS Bathinda about various mental health problems
- Slogan writing competition
- Poster competition
- Essay writing competition
- 5K run and fitness competition

New Services

The Department of Psychiatry has started somatic therapies in form of modified electroconvulsive therapy (ECT).

1. Number of Thesis Supervised MD/MS

One thesis being under supervision of a MD (psychiatry) PG student joined in Feb 2022

2. Any other achievements in number



Psychiatry/ 01-World suicide prevention day



Psychiatry/02-World mental Health day





DEPARTMENT OF PULMONARY MEDICINE

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

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Ramniwas	Associate Professor	17-11-22

II. 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.

Research activities undertaken in the department:

Number of **Project Sanctioned** with the name of Funding Agency- Nil

Project Sanctioned with amount (Pl. mention the amount only)- Nil

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

Number of Project undergoing with the name of Funding Agency- Nil



S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
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

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

Detail of Paper published with indexing database- 3

Detail of Book published with indexing database- Nil

In chronological order and written in Vancouver style with the name of the AIIMS-Bathinda faculty highlighted in bold. Examples are given as under:

- **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.
- **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.
- 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.

1. Number of citations-731
2. i10 index-3
3. h-index-5



- IV. Other important Highlights with relevant photographs of the department:**
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.
Number of Conference Organized - Nil
Number of Workshop Organized - Nil

Pulmonary Medicine/ 01: Free Spirometry facility being conducted in Department on regular basis using personal spirometry machine.





DEPARTMENT OF RADIATION ONCOLOGY

Name of the Department	Radiation Oncology
Head of the Department	Dr. Sapna Marcus Bhatti

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1.	Dr. Sapna Marcus Bhatti	Associate Professor	05-12-2019
2.	Dr. Rohit Mahajan	Assistant Professor	05-12-2019

II. Brief Introduction of the department:

The department of Radiation Oncology will provide the state of art treatment in coming times to the patients. LINAC has already arrived at our Institute; installation work is in process and will soon be providing the radiation services to the patients. High energy linear accelerator is capable of performing high end radiotherapy techniques like 3DCRT, IMRT, IGRT, Adaptive radiotherapy, SRS & SBRT. Also, Brachytherapy services will soon be integrated.

Post graduate teaching will also be soon started by the department.

Facilities and services provided:

1. OPD services
2. Teleconsultations
3. Chemotherapy services
4. Pain and palliative services
5. Population based cancer registry
6. Day care procedures
7. Cancer screening and awareness programmes

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

Number of Papers presented in International Conference - 2

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Sapna (Assoc. Prof)	Results of concomitant 5FU+CDDP and Taxane along with radiation in carcinoma cervix	Federation of Asian Radiation Oncologists (FARO), Philippines, Sept,2021.	FARO
2	Dr. Sapna (Assoc. Prof)	keynote speaker for Results of concomitant 5FU+CDDP and Taxane along with radiation in carcinoma cervix Feb 2022.	ICORT 22, France	ICORT



IV. Research activities undertaken in the department

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Sapna (Co-PI)	M-coreg: cardio-oncology guidelines formulation - pilot project by aiims, bathinda	Nil	Ongoing	Nil
2	Dr. Sapna (Co-PI)	Population based cancer registry	Nil	Ongoing	Nil
3	Dr. Sapna (Co-PI)	Sts (icmr) project: "comparative analysis of pesticide toxicity with altered biochemical parameters in plasma samples from cancer patients".	NIL	ONGOING	NIL
4	Dr. Sapna (Co-PI)	Myths and beliefs about cancer causation and prevention".	NIL	Ongoing	NIL
5	Dr. Sapna (Co-PI)	Effect of vitd + calcium on metastatic bone lesions	NIL	Ongoing	NIL
6	Dr. Rohit (PI)	Prevalence of mental health disorders in Head and Neck cancer patients.	NIL	Ongoing	NIL
7	Dr. Rohit (PI)	Comparative Analysis of Pesticide Toxicity with Altered Biochemical Parameters in Plasma sample from Cancer Patients.	NIL	Ongoing	NIL
8	Dr. Rohit (PI)	Effectiveness of structured health intervention on mouth self examination in a tertiary care hospital of North India.	NIL	Ongoing	NIL
9	Dr. Rohit (PI)	M-COREG: Cardio-Oncology guidelines formulation - pilot project by AIIMS, Bathinda.	NIL	Ongoing	NIL



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

Detail of Paper published with indexing database

Detail of Book published with indexing database

- Carmen Swanton, **Sapna Marcus**, Jayasingham Jayamohan Et Al. Can Adjuvant Pelvic Radiation Therapy After Local Excision or Polypectomy For T1 And T2 Rectal Cancer Offer An Alternative Option To Radical Surgery? Clin Transl Radiat Oncol 2021;31:97-101.
- Kaur J, Mir T, Gill R, Duong J, **Marcus S** et al. Immunotherapeutic Approach For Advanced Pancreatic Adenocarcinoma. Immunotherapy 2021;13:767-782
- **Mahajan R, Marcus S.** Low-Dose Radiation Therapy For Covid-19 Pneumonia. Clin Cancer Investig J 2021;10:1-4.
- Randhawa As, Yadav Hp, Banipal Rps, Goyal G, Garg P, **Marcus S.** Functional And Biochemical Changes In The Thyroid Gland Following Exposure To Therapeutic Doses Of External Beam Radiation In The Head And Neck Cancer Patients. J Can Res Ther 2021;8:27.
- **Mahajan R**, Yadav BS, Sharma SC, Gupta A, Kumar S. Primary bone lymphoma: An experience of a regional cancer center from India. South Asian J Cancer 2021;9(4):227–229.
- Jaiswal I, Jaswal G, Seam RK, **Mahajan R**, Singh SP, Singal U et al. “Brachytherapy: An Emerging Science or Demise in Quiet?” MAR Oncology 2021;1:4.;

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

Quiz competition, poster competition was organized for MBBS students for cancer awareness. Talk on oral cancer awareness was given to MBBS students, general public in surrounding areas of the Institute. (World Cancer Day, 4th Feb, 2022)

Project “PEHAL” was continued to create cancer awareness among schools of Bathinda.

Organized Hair Donation drive for cancer patients on 11th March, 2022 started with faculty and students for providing free wigs for young cancer patients.

Signed MOU with CANSUPPORT, provided free morphine and started free palliative care services.



PEHAL AT ST. JOSEPHS' CONVENT SCHOOL



Radiation Oncology/01

World Cancer Week



Radiation Oncology/02



World Cancer Week



Radiation Oncology/03

Hair Donation Drive 2022



Radiation Oncology/04

**DEPARTMENT OF RADIODIAGNOSIS**

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

I. Faculty Details:

S. 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 as Assistant Professor 01-04-2022 as Associate Professor
3	Dr. Navdeep Kaur	Assistant Professor	30-11-2019

II. Brief Introduction of the department:

Department of Radiodiagnosis provides diagnostic and interventional facilities. The vision is to establish a state-of-the-art department with 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 goals are to provide optimal patient care in a friendly environment, to provide the highest standards of diagnostic imaging & interventional services at a reasonable cost and to bring the department at par with the best in patient care, medical education, teaching and basic research in the country.

Department of Radiodiagnosis is equipped with high-end machines and includes the following: Ultrasound machines, Color Doppler (2D & 3D), Diagnostic Radiography units, Digital X-ray (1000 mAs DR system) with flat panel detector, Mobile high frequency X-rays, CR unit, Digital Mammography (under installation), multi-slice (256-slice) Computed Tomography (CT) Scanner and 3 Tesla Magnetic Resonance Imaging (MRI) Scanner.

III. 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 & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences				
1	Dr. Paramdeep Singh	Radiation Safety and Protection for Medical Professionals	SPARC Radiation e-Workshop	IIT Bhuvneshwar
National conferences				



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S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organised by
1	Dr. Paramdeep Singh Additional Professor	'Contrast Ultrasound in Focal Liver Lesions'	Sonosummit	Indian Radiological and Imaging Association (IRIA) in August 2021
		'Hepatobiliary lesions: Role of CEUS'	Annual Conference of IRIA	Indian Radiological and Imaging Association (IRIA) conference
2	Dr. Harmeet Kaur Associate Professor	Radiology of Solid renal masses	Dr. Rajindra Rao CME	IRIA Punjab State Chapter on 16 th -7 th October 2021
3	Dr. Harmeet Kaur Associate Professor	'Imaging of Gorlin Goltz syndrome.'	National conference of IRIA'	IRIA' held at Bengaluru on 24 th -27 th March, 2022
4	Dr. Navdeep Kaur	Interesting film session	9 th Annual Conference	Chandigarh Chapter of IRIA

IV. Faculty achievements –awards, honours etc

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

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

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Paramdeep Singh Additional Professor	Member of the Global Burden of Disease (GBD) Collaborator Network	----	The Institute for Health Metrics and Evaluation (IHME) at the University of Washington-2022
		Member of the Diagnostic Technical Advisory Group-Clinical Diagnosis, Imaging and Microscopy Cross Cutting Subgroup	----	World Health Organization (WHO)-2021
		Certificate of Appreciation	----	Indian Radiological & Imaging Association' by contributing as one of the esteemed Member of Mentorship Program Committee for the year 2021.
		Member of Ethics Committee	----	Akal University, Talwandi Sabo (Punjab)



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S. No	Name & designation of faculty	Award/honour	Event	Organised by
		Appraiser	----	National Board of Examinations (NBE).
2	Dr. Harmeet Kaur Associate Professor	Fellowship of International Medical Science Academy (FIMSA)	----	International Medical Science Academy
3	Dr. Navdeep Kaur Assistant Professor	Cleared (FRCR) part 1.	----	Fellowship of Royal College of Radiology, UK
		Awarded degree of MNAMS	----	National Board of Examinations

V. Research activities undertaken in the department:

S. No.	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned (EXTRAMURAL)					
1	Dr. Paramdeep Singh, Additional Professor	ICMR- <i>National Centre for Disease Informatics and Research (NCDIR)</i> (ICMR-NCDIR) on Cancer Registry	Co-PI in an Extramural project of ICMR- National Centre for Disease Informatics and Research (<i>NCDIR</i>) (ICMR-NCDIR) on Cancer Registry.	Ongoing	----
		ICMR- National Centre for Disease Informatics and Research (NCDIR) (ICMR-NCDIR) on Stroke Registry.	PI in an Extramural project of ICMR- National Centre for Disease Informatics and Research (NCDIR) (ICMR-NCDIR) on Stroke Registry.	Ongoing	----
		Endometrial Carcinoma in collaboration with Central University of Bathinda.	Co-PI in an Extramural project of ICMR on Endometrial Carcinoma in collaboration with Central University of Bathinda.	Ongoing	----



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S. No.	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
2	Dr. Harmeet Kaur, Associate Professor (Co-PI)	Incidence and adverse outcomes and risk factors for mortality among Mucormycosis patients in India: A multicentric ambispective cohort study	-Non-Funded -Co-PI in Extramural project of ICMR-National Institute of Epidemiology (ICMR-NIE) on Mucormycosis	Ongoing	----
3	Dr. Navdeep Kaur Assistant Professor (Co-PI)	3D cephalometric analysis comparison in adult human subjects based on MRI and CT imaging modalities.	-Under SERB	Ongoing	12.5 Lakhs
		Volumetric upper airway analysis using two-dimensional cephalograms.	-Under ICMR	Ongoing	22.5 Lakhs
Projects submitted (INTRAMURAL)					
1	Dr. Paramdeep Singh, Additional Professor	Role of spiral and uterine artery Doppler indices during the first trimester (6-13 weeks) in predicting early pregnancy loss.		Ongoing	----
		Ventricular arrhythmia registry – A multicentric study		Ongoing	----
2	Dr. Harmeet Kaur, Associate Professor (Co-PI)	To study the radiological involvement of cavernous sinus in the patients with Rhinoorbital cerebral mucormycosis (ROCM) – A retrospective observational study	Non-Funded	Ongoing	----



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S. No.	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		Morphological and morphometric analysis of the Sacral Hiatus in dry Indian sacra and pelvic radiographs: Their significance in Caudal Epidural Anesthesia	Non-Funded	Ongoing	----
		Morphometric analysis of the Brain Ventricles in Healthy North Indian Subjects using Magnetic resonance imaging.	Non-Funded	Ongoing	----
		Stage based approach to the management of ROCM and predict its impact on outcome: An Observational study	Non-Funded	Ongoing	----
		Clinico-radiological correlation with Urodynamic studies in women presenting with LUTS	Non-Funded	Ongoing	----
3	Dr. Navdeep Kaur Assistant Professor (Co-PI)	Ultrasound evaluation of covid vaccine associated axillary lymphadenopathy.	Non-Funded	Ongoing	----
		CT and MRI evaluation of craniofacial Mucormycosis.	Non-Funded	Ongoing	----
		Clinico-radiological evaluation and correlation or associations of magnetic	Non-Funded	Ongoing	----



S. No.	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
		resonance imaging (MRI) results and clinical presentations in chronic low backache patients.			
		Role of spiral and uterine artery Doppler indices during the first trimester (6-13 weeks) in predicting early pregnancy loss.	Non-Funded	Ongoing	----
		Chest CT Findings in Coronavirus Disease 2019 (COVID-19) pneumonia.	Non-Funded	Completed	----

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

- Singh J, Thukral CL, **Singh P**, Pahwa S, Choudhary G. *Utility of sonographic transcerebellar diameter in the assessment of gestational age in normal and intrauterine growth-retarded fetuses.* Niger J Clin Pract. 2022;25:167-72. **(Corresponding Author)**
- D Agashe, S Maheshwari, JK Pattanaik, J Prakash, P Bhatt, Arya SS, Chatterjee S, Kumar P, **Singh P**, Abbas N, Sharma CS, Chaudhuri CR, Devi P. *Career challenges for young independent researchers in India.* Current Sci. 2022;122,135.
- Chopra H, Brar R, Rathore DS, Dwivedi A, Prasad A, Rana S, Budhiraja M, Goudihalli SR, **Singh P**. *A prospective study to evaluate the role of multiparametric magnetic resonance imaging in the grading of gliomas using magnetic resonance imaging perfusion and diffusion and multivoxel magnetic resonance spectroscopy.* J Clin Sci Res (Accepted for publication)
- *Viral Encephalitis: A Mere Evil Doppel Ganger or a Mini Me of Glioblastoma.* J Clin Sci Res (Accepted for publication)
- *Utility of Percentage Signal Recovery Derived from Dynamic Susceptibility Contrast Perfusion MRI for differentiating Glioblastoma, Lymphoma, Metastasis and Meningioma: An Observational Prospective Study.* J Clin Sci Res (Accepted for publication)
- 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 (Accepted for Publication) (**Corresponding Author**)

- Bansal N, Singh G, Tiwari P, **Kaur H**. [Double Trouble of “Double Segmental” Fractures – A Report of Two Cases](#). Journal of Orthopedic case reports 12 (2), 30-33. (Corresponding author)
- Kaur B, Singh N, **Kaur H**, Samagh N. [Spontaneous Pneumomediastinum in a Patient with Covid-19](#). The Journal of the Association of Physicians of India JAPI 70 (3), 11-12.
- **Kaur H**, Punit T, Agrawal N. *Even mild proptosis may be pointing towards an underlying massive pial Arterio-venous malformation with hydrocephalus – a case report & review of the literature*. 2022;24 (1);57-59. (First Author)
- Punit P, **Kaur H**, Bansal N, Leonchuk SS. *Neglected Painful Chronic Achilles Tendon Rupture With No Palpable Gap: A Report of 3 Cases*. Techniques in Orthopaedics. 2021
- **Kaur H**, Tiwari P, Sharma S, Verma M. *An analytical cross-sectional study to assess the effects of smoking on common carotid intima-media thickness and resistivity index among current smokers*. Journal of diagnostic medical sonography. 2021;1-9. (First Author)
- Punit T, **Kaur H**, Jha V. *A seemingly usual case of Paraplegia with MRI diagnosis of Meningioma - an unexpected course of events leading to inflammatory necrotizing myelopathy*. Indian Spine Journal.2021;4:128-32. (Corresponding author)
- Punit P, **Kaur H**, Bansal N, Leonchuk SS. *Successful Early Non-Operative Management of Congenital Knee Dislocation: Demonstration via a Case Report*. Case Reports in Orthopedic Research. 2021;4(2):138-44. (Corresponding author)
- **Kaur, Navdeep**¹; Kaur, Narinder²; Chhabra, Harwinder Singh³; Singh, Manmeet⁴; Singh, Paramdeep¹. A case report of sciatic hernia as a cause of sciatica and lower back pain, Journal of Family Medicine and Primary Care: June 2022 - Volume 11 - Issue 6 - p 3304-3307
- **Kaur N**, Kaur A, Chhabra HS. Bull's eye sign - A diagnostic clinch in COVID-19 pneumonia. Monaldi Arch Chest Dis. 2021 Sep 28;92(1).
- **Kaur N**, Sahoo SS, Chhabra HS, Kaur A, Singh N, Garg S. High Resolution Chest CT Findings of Coronavirus Disease 2019 (COVID-19) – A retrospective single centre study of 152 patients. Journal of Family Medicine and Primary Care: 2021; 10: 3753-59.
- **Kaur, N**, Arora, J., Kaur, R., Gupta, N., Bhalla, V., Kaur, N., & Singh, B. (July 2021). Baseline Penile Ultrasound and Color Doppler Parameters – A Comparison Between Psychogenic and Vasculogenic Erectile Dysfunction Patients. *International Journal of Medical and Dental Sciences*, 1981–1994.
- Kaur A, Samagh N, Singh N, **Kaur N**. Dengue and COVID-19 Coinfection- A Double Trouble. Journal of The Association of Physicians of India. 2021; 69 (8):88-89.
- Kaur A, Dhoat P.S., **Kaur N**, Verma M. Muscle Tuberculosis: A Diagnostic



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challenge. Annals of the Romanian Society for Cell Biology. 2021;25(4):10599-10601.

- Raj A, Kaur N, **Kaur N**. Cavernous sinus thrombosis with central retinal artery occlusion in COVID-19: A case report and review of literature. Indian J Ophthalmol. 2021;69(5):1327-1329.
- Kaur A, Dhoat P.S., Upneja A., **Kaur N**. PUO: Can it be anti synthetase syndrome. International Journal of Health and Clinical Research. 2021;4(6):104-105.

S. No.	Faculty	Research papers	Book/book chapter	Number of citations	i10 index	h-index
1	Dr. Paramdeep Singh Additional Professor	87	1	526	14	12
2	Dr. Harmeet Kaur Associate Professor	28	-	42	2	3
3	Dr. Navdeep Kaur Assistant Professor	15	-	6	-	1

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

Training activities conducted: 2
surgeries, camps, etc.
Number of Conference Organized: 1
Number of Workshop Organized: 2

VIII. Number of Thesis Supervised MD/MS

S. No.	Faculty	As Guide	As Co-Guide
1	Dr. Paramdeep Singh Additional Professor	2	5
2	Dr. Harmeet Kaur Associate Professor	1	5
3	Dr. Navdeep Kaur	-	1

IX. Any other achievements in number: 7

- Organised a workshop on pain management & delivered a talk on 'USG guided pain management in shoulder' on 19th Sept 2021.
- Organised a trauma and life support course for nurses at AIIMS Bathinda on 9th.



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10th Oct 2021 in which hands-on training was given to 30 Nursing officers’.

- Organised a workshop on breast interventions at AIIMS Bathinda on 29.07.2021.

Dr. Paramdeep Singh

- Organizing Team member and Faculty at Acute Neuro Care (Focused Approach to Neuro-Emergencies) at AIIMS Bathinda in December 2021.
- Faculty at Annual Conference of Chandigarh Chapter of the Indian Radiological and Imaging Association (IRIA) in December 2021.

Dr. Harmeet Kaur

- Participated as delegate in ‘Annual MSK USG conference’ on 27th-28th Nov, 2021
- Participated as delegate in ‘National conference of IRIA’ held at Bengaluru on 24th-27th March, 2022 & presented a poster on the topic ‘Imaging of Gorlin Goltz syndrome.’

1. USG guided pain management in shoulder





2. Trauma and life support course for nurses at AIIMS Bathinda





DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Name of the Department	Surgical Gastroenterology
Head of the Department	Dr. Gourav Kaushal (faculty in charge)

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Gourav Kaushal	Assistant Professor	07-09-2021

II. Brief Introduction of the department:

The department aims to become a center of excellence for complex gastrointestinal, hepatobiliary, and pancreatic surgeries. We endeavor to offer clinical and technical skills of the highest standards at affordable prices to all strata of society alike.

The department was established on 7th September 2021. OPD services were started in second week of September. Surgical services were started on 24 February 2022 and official IPD beds were allocated on 3rd March 2022.

Currently the department runs outpatient clinics and specialty sub-clinics three times a week. The department conducts elective surgeries on two days a week and emergency procedures on a need basis. The department has a fully functional IPD, with 15 beds; the patients requiring hospitalization for gastrointestinal problems are admitted to the IPD. The department has performed various complex surgical procedures many of which were performed for the first time in AIIMS Bathinda and a few for the first time in this region. Regular clinical and theory classes are conducted by the faculty for MBBS students.

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

S. No	Name & designation of faculty	Title/Topic	Details of the Event	Organized by
International conferences				
1	Dr. Gourav Kaushal (virtual attendance)	Gall bladder mass-always a cancer? Think outside the box	IHPBA world congress, March 30-2 April, New York city	International Hepato pancreatobiliary association (IHPBA)
National conferences				
2	Dr. Gourav Kaushal	Tuberculosis the great masquerade and diagnostic laparoscopy the game changer	18 th annual conference of Indian chapter of IHPBA. 11-13 Feb 2022	----



IV. Faculty achievements –awards, honours etc

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Gourav Kaushal	Membership- Indian association of surgical oncology (IASO)	----	IASO

V. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc (PI mention details)	Status (ongoing/ completed)	Budget
Projects sanctioned					
1	Dr. Nirjhar Dr. Gourav	To study the correlation between metabolic response by PET CT and pathological response of resected specimen after NACTRT in patients with carcinoma esophagus	Intramural (AIIMS Rishikesh)	Ongoing	----
2	Dr. Shivani Sidana Dr. Gourav KaXushal	Comparison of intermittent fasting versus low caloric diet in non diabetic obese subjects	Nil- Non funded	Ongoing	----

VI. Papers and Books/chapters published by the faculty

Paper

- R. Bolia, N.K. Bhat and **G. Kaushal**, Conservative management of pancreatic ascites: The role of nasojejunal feeding, Pancreatology, <https://doi.org/10.1016/j.pan.2021.09.013>
- Ramachandra D, **Kaushal G**, Mathew A, et al. Squamous Cell Carcinoma of the Sigmoid Colon: A Path Less Traveled. Cureus14(2): e22297. DOI 10.7759/cureus.22297
- Bansal R, Dhillon KS, **Kaushal G**. Hybrid natural orifice transluminal endoscopic surgery splenectomy: A case report. J Min Access Surg. doi: 10.4103/jmas.jmas_245_21.
- Mathew A, **Kaushal G**, Ramachandra D, et al. Staple Line Dehiscence in Gastric Conduit Following Esophagectomy: A Complication Conspicuously Missing a Mention It Deserves. Cureus 14(1): e21581. doi:10.7759/cureus.21581



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- [Mohd Altaf Mir](#), [Rajesh Maurya](#), [Om Parkash](#), [Gourav Kaushal](#), [Nirjhar Raj Rakesh](#). Harmonic Lingual Frenotomy for Ankyloglossia: A Newer Novel Technique. Cureus 14(3): e23223. doi:10.7759/cureus.23223

1. Number of citations: 55
2. i10 index 3
3. h-index 1

According to Google Scholar database

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

Training activities conducted,
surgeries, camps, etc.

Number of Conference Organized

Number of Workshop Organized

1. Operating room skill course for nursing: on 15 march 2022 at AIIMS Bathinda



Surgical Gastro/1



Surgical Gastro/2



VIII. Number of Thesis Supervised MD/MS

IX. Any other achievements in number

The department performed the following complex surgeries for the first time in the institute

- (a) Pancreaticoduodenectomy (Whipple's procedure)
- (b) Pancreas preserving subtotal pancreatectomy
- (c) Proximal splenorenal shunt (likely first in Malwa region)

Advanced gastrointestinal surgeries begins at AIIMS Bathinda

**ANIL VERMA
BATHINDA, MAR 31**

In one of the significant milestones, a highly complex surgery (Whipple's procedure) was successfully performed for a pancreatic tumor by the department of surgical gastroenterology at AIIMS Bathinda. This challenging procedure was performed on a patient with a neuroendocrine tumor in the head of the pancreas.

The surgery, which lasted for about 6 hours, was performed by Dr. Gourav Kaushal (Gastro surgeon) with the assistance of Dr. Anil Mehta (Resident); Dr. Shashank led the anesthesia team. The patient is doing well on 30-day follow-up. Pancreatic surgeries are complex procedures and are performed in selected highly specialized centers. Earlier patients had to go to either Chandigarh, Ludhiana, or New Delhi for such surgeries, but now people



of this region and adjoining states can get complex Gastrointestinal surgeries done at AIIMS Bathinda at meager costs.

The Director AIIMS Bathinda, Professor D.K Singh, expressed his pleasure and satisfaction with this achievement. He said the institute is inching toward achieving its mandate of providing holistic, state-of-the-art healthcare to all the strata of society by establishing this tertiary care institute in the region. Professor Satish Gupta, Dean of AIIMS Bathinda, also conveyed that the region's people can save valuable

time and money to treat gastrointestinal problems with the addition of gastrointestinal surgery services at AIIMS. The department of Surgical Gastroenterology was established in September 2021 and has an experienced faculty who has worked in top healthcare systems like JIPMER, AIIMS Rishikesh, and Max healthcare before joining AIIMS Bathinda.

The department runs OPD Services every Monday, Wednesday, and Friday. Complex gastrointestinal surgeries are performed routinely with outcomes comparable to current international standards.



DEPARTMENT OF TRANSFUSION MEDICINE & BLOOD BANK

Name of the Department	Transfusion Medicine & Blood Bank
Head of the Department	Dr. Sushant Kumar Meinia

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Sushant Kumar Meinia	Associate Professor	06-08-2021
2	Dr. Sirat	Assistant Professor	13-08-2021

II. Brief Introduction of the department:

Mission:

- ❖ The Department of Transfusion Medicine aims to provide safe, adequate and accessible supply of quality blood components and therapeutic services round the clock to the needy patients of Punjab and adjoining states.
- ❖ It will have latest state-of-the-art equipment and technologies for blood collection, processing, testing and will provide best therapeutic facilities with high quality standards.

Teaching and Research:

- ❖ To train and provide quality education to the students using best teaching methodologies.
- ❖ To conduct the highest quality, novel and innovative research in the field of transfusion medicine and cellular therapies.

Patient related services provided:

- ❖ Indirect Antiglobulin test
- ❖ Direct Antiglobulin test
- ❖ DAT Profiling
- ❖ Workups of AIHA Cold, Warm and Mixed.
- ❖ Extended immunoglobulin IgG Subclass and Complement fractions
- ❖ Alloantibody and Autoantibody detection.
- ❖ Rh Negative females visiting OPD to be enrolled in Special Rh Clinic and complete Rh Profiling of Antenatal course with Antibody titres and Neonatal phenotypes
- ❖ To motivate, encourage and recruit non-remunerated voluntary blood donors in the region.



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III. Patient care:

S. No	Category	Number
1.	Name of test	
	Blood Grouping	333

IV. 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 & designation of faculty	Title/Topic	Details of the Event	Organised by
International conferences (Attended)				
1	Dr. Sushant Kumar Meinia Associate Professor	16 th Annual AATM Congress and 3 rd Joint AABB & AATM congress 2021	AATM Congress	Asian Association of Transfusion Medicine (AATM)
		AABB Quality Certificate ad the Fundamental standards for Blood Collection and Transfusion	Workshop	Asian Association of Transfusion Medicine (AATM)
2	Dr. Sirat Assistant Professor	16 th Annual AATM Congress and 3 rd Joint AABB & AATM congress 2021	AATM Congress	Asian Association of Transfusion Medicine (AATM)
National conferences (Attended)				
1	Dr. Sushant Kumar Meinia (Associate Professor)	First National Conference on Haemovigilance	9 th & 11 th December, 2021	Institute of Biologicals, Noida, MoHFW, Govt Of India
		9 th TRANSMEDCON-2021 Guwahati	17 th & 18 th December, 2021	Indian Society of Transfusion Medicine (ISTM) and ISBT
		Blood Safety and Quality: Current Practices of Blood Donor Management	26 th March,2022	Department of Transfusion Medicine, AIIMS New Delhi in collaboration with International Society of Blood Transfusion (ISBT) Amsterdam, The Netherlands
	Dr. Sirat (Assistant Professor)	International Symposium on Blood Safety (Virtual)	2 nd October, 2021	Department by Transfusion Medicine PGIMER, Chandigarh India



V. Faculty achievements –awards, honours etc.

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1.	Dr. Sushant Kumar Meinia (Associate Professor)	Enrolled & passed Advance Certificate Course in Transfusion Medicine	Advance Certificate Course	Asian Association of Transfusion Medicine (AATM)

VI. Research activities undertaken in the department:

S. No	Name & designation of PI	Title of the project	Source of support Intramural/ extramural etc. (PI mention details)	Status (ongoing/ completed)	Budget (Rs)
Projects submitted					
1	Dr. Sunil Kumar Singh , Assistant Professor as Principal Investigator (Department of Zoology, CUPB), and Prof. Anjana Munshi as Co-Investigator (Department of Human Genetics and Molecular Medicine, CUPB) Dr. Sushant Kumar Meinia , Associate Professor and Dr. Sirat , Assistant Professor, Transfusion Medicine & Blood Bank, AIIMS Bathinda	“Exploring the role of platelet-derived micro vesicles in hemostasis and its relevance in the assessment of platelet storage lesion in platelet concentrates: A step towards clinical transfusion safety”	Extramural, Core Research (SERB, New Delhi, India).	Submitted	39,60,000

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

Detail of Paper published with indexing database

1. Dr. Sushant Kumar Meinia (Associate Professor)

Research Papers	15
Number of Citations	47
i10 index	2
h-index	3



2. Dr. Sirat (Assistant Professor)

Research Papers	4
Number of Citations	0
i10 index	0
h-index	0

Publications by the faculty:

- Kaur D, Negi G, Walia R, Malhotra S, Bhatia R, **Meinia SK** et. al. Just not cosmesis! Role of low-density lipoprotein apheresis in familial hypercholesterolemia: Experience at a newly developed tertiary care institution in Northern India. Asian J Transfus Sci 2021;15:104-8.
- Chennamsetty EP, Jain A, Kaur D, **Meinia SK**, Negi G, Agarwal S, et al. Life-Saving Transfusion in AIHA: A Case Report and Procedure Review of Dilution Technique. Immunohematology 2022; 38:13-16.
- Malhotra S, Jain A, **Kaur S**, Alaknanda, Singh L, Sharma RR. An interesting case of alloantibody M exhibiting typical dosage phenomenon. Immunohematology. 2021; 37(2): 95-96.
- **Kaur S**. Therapeutic Plasma Exchange in Postpartum Haemolytic Uremic Syndrome: A Case Report. International Journal of Case Reports.2021; 5:229.
- **Kaur S**. Assessment of Storage Related Haematological and Biochemical Changes in Blood Units. **Global Journal of Medical Research**.2021; 21 (3):31-75
- **Kaur S**, Jain A, Kumar P, Sharma R R. The importance of maternal red cell antibody screening in neonates with a positive direct Antiglobulin test: A spectrum of two cases. Journal of Clinical and Diagnostic Research. 2021 Dec, Vol-15(12): EL01-EL02

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

Training activities

S. No	Training activities	Date
1	Bio-Rad Gel Station Training undertaken for Technical Staff	7 th January 2021
2	NVBDD (National Voluntary Blood Donation Day) Lecture series	1 st October, 2021
3	Strategies to improve Voluntary Blood Donation	
4	Bursting Myths and Removing Barriers regarding Voluntary Blood Donation	
5	Recruitment and Registration of Voluntary Blood donors	



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Number of Workshop Attended: Under CMET AIIMS Bathinda

S. No	Date & Time	Topic	Workshop Attended under
1	13-09-2021 (2.30 pm to 5.00 pm)	Jigsaw Teaching	Centre for Medical Education and Technologies
2	22-09-2021 (10.00 am to 4.00 pm)	Designing effective questions	Centre for Medical Education and Technologies
3	13-12-2021 (2.30 am to 4.30 pm)	Self-Directed Learning	Centre for Medical Education and Technologies



INSTITUTE OF NURSING EDUCATION AND RESEARCH

Name of the Department	Institute of Nursing Education & Research
Head of the Department	Dr. Kamlesh. K. Sharma

I. Faculty Details:

S. No	Name of faculty	Designation	Date of Joining
1	Dr. Monika Sharma	Associate Professor	08-10-2021
2	Dr. Narinder Kaur Walia	Associate Professor	06-10-2021
3	Dr. Simarjeet Kaur	Assistant Professor	08-10-2021
4	Mr. Atul Sharma	Assistant Professor	14-10-2021
5	Mrs. Nagdeep Kaur	Assistant Professor	05-10-2021

II. Brief Introduction of the department:

Nursing college AIIMS Bathinda was established in 2021 to become a centre of excellence in the field of Nursing Education and Research in India. First phase nursing faculty recruitment was done in October 2021. The first batch of B.Sc. Hons Nursing has been started from 1st March 2022 with the intake of 60 students.

Mission of the Nursing College is:

- To develop the centre of excellence in nursing education and research which will provide quality education i.e. evidence based and encourages innovations to improve patient care.
- To aspire to be a model of excellence through dynamic programmes, innovative practices and research.
- To prepare competent 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 Oct 2021 to March 2022:

- Classes for Respiratory therapists
- Induction classes of Nursing Officers
- Classes for BSc (Hons) Nursing 1st year



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III. Patient care:

Nursing Rounds were conducted by nursing faculty to ensure quality care being provided to the patients by nursing officers in different wards and OPD's of AIIMS Bathinda from Oct 2021 to March 2022.

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

Dr. Monika Sharma: Associate Professor			
International Conferences	Title/Topic	Details of the Event	Organised by
1	“Development and Evaluation of Standards of Nursing Practice for Hemodialysis Unit”	International Council of (ICN) Congress 2021 – Nursing Around the World, held online on 2-4 November 2021 worldwide	International Council of (ICN) in partnership with the Emirates Nursing Association
2	“Case Study from Punjab: Substance abuse”	International Virtual Conference on Behavioural Addiction and Substance Use Disorders on 28 th and 29 th January 2022.	Nursing Division, Ministry of Health and Family Welfare, Gov. of India New Delhi
3	“Pandemic and Perioperative Nursing Practice” (Panellist)	International Virtual Conference “SPNCON - 2022” On 24 th & 25 th March, 2022.	College of Nursing, All India Institute of Medical Sciences, Jodhpur
Lectures in other academic programs			
1	“Evidence Based Practice in Wound Care”	CME and Workshop on Wound Care on 26 th November 2021	Department of Burns and Plastic Surgery, AIIMS, Bathinda, Punjab.
2	“Nurse as operating team member”	Workshop on Role of nurses in operation theatre on 15 th March 2021	Department of General Surgery, AIIMS, Bathinda, Punjab.
Dr. Narinder Kaur Walia : Associate Professor			
Lectures in other academic programs	Title/Topic	Details of the Event	Organised by
	“Care of pressure injury”	CME and Workshop on Wound Care on 26 th November 2021	Department of Burns and Plastic Surgery, All India Institute of Medical Sciences, Bathinda,



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	“Disinfectants used in Operation Theatre”	Workshop on Role of nurses in operation theatre on 15 th March 2021	Department of General Surgery, AIIMS, Bathinda, Punjab.
Dr. Simarjeet Kaur: Assistant Professor			
Lectures in other academic programs	Title/Topic	Details of the Event	Organised by
	“Contributing factors for food wastage” (Panellist)	Global Perspective on Wasted Food-Webinar , 20Jan, 2022	College of Nursing & Health Professions, Drexel University, Philadelphia, USA
Mr. Atul Sharma: Assistant Professor			
International Conferences	Title/Topic	Details of the Event	Organised by
	“Effect of Reflection Diary in Development of Experiential Learning Skills among Nursing Students in selected de addiction centre in Mangalore.”	International Virtual Conference on Behavioural Addiction and Substance Use Disorders on 28 th and 29 th January 2022.	Nursing Division, Ministry of Health and Family Welfare, Gov. of India New Delhi
	“Obstacles Faced by Nurses Working in Covid-19 Unit: A Developing Country View Point” Won First Prize	International e-Conference on “Evidence Based Practice” on 28 th January 2022	Dr. V.V.P.F's, College of Nursing, Ahmednagar, Mumbai
National Conferences			
	Impact of Covid-19 on Mental Health of Health Care Workers During - A developing country view point.	20 th Annual Conference of ISPN on Mental Health issues of Covid 19 Pandemic: Nurses Role on 2 – 4 Oct 2021	MM College of Nursing, MM (DU) Mullana, Ambala



V. Faculty achievements –awards, honours etc.

S. No	Name & designation of faculty	Award/honour	Event	Organised by
1	Dr. Monika Sharma	Nominated as a House of delegate (HoD) i.e. official representative of TNAI Punjab State Branch	T.N.A.I meeting on 30 th March 2022, New Delhi	T.N.A.I Head Quarters, New Delhi.
		National BLS & ACLS Instructor-American Heart Association (AHA)	BLS & ACLS workshops	American Heart Association (AHA)
2	Dr. Narinder Kaur Walia	Working on the post of TNAI Secretary in TNAI Punjab State Branch	All events organized by TNAI Punjab State Branch	TNAI Punjab State Branch
3	Mr. Atul Sharma	Nominated as a House of delegate (HoD) i.e. official representative of TNAI Punjab State Branch	T.N.A.I meeting on 30 th March 2022, New Delhi	T.N.A.I Head Quarters, New Delhi.
		National BLS Instructor Indian Academy of Paediatrics (IAP)	IAP-BLS workshops	Indian Academy of Paediatrics (IAP)
		National Trainers for Capacity Building of Nurses	“Nationwide Training of Trainers (ToT-II) “For Capacity Building of Nurses on Comprehensive management of post - COVID 19 Sequelae and Variant of Concern cases” 21st February 2022	Directorate General of Health Services in collaboration with ECHO India

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

- Kaur N, **Sharma M**, Kaur A, Makkar V, Effectiveness of intradialytic leg Ergometry exercise on fatigue and physiological parameters among patients undergoing hemodialysis, International Journal of Development Research, 2022 February;12(02):53709-53713.
- Kaur J, **Walia NK**, Study to assess the effectiveness of structured teaching program on the knowledge regarding arteriovenous fistula (AVF) care among patients admitted in Dialysis units of selected hospitals of District Mohali, International Journal Trend in scientific Research and Development (IJTSRD), 2021 Nov/Dec;6(1):1191-1196
- **Walia NK**, Study to assess the knowledge & practice regarding Ventilator Associated Pneumonia (VAP) Critical care bundle, among students of Nursing



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colleges of Distt Mohali, International Journal Trend in scientific Research and Development (IJTSRD), 2021 Nov/Dec;6(1):1239-1243.

- **Walia NK**, Kaur J, Dhiman A, Correlational study on adverse effects of chemotherapy and embodying body identify among breast cancer patients, Nursing Midwifery and Research Journal (NMRJ), 2021 Oct;17:11-14.

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

Number of Workshop Organized by Nursing College: One

1. Nursing College AIIMS Bathinda in collaboration with Trained Nurses Association of India (TNAI), Punjab State Branch organized its first National Conference on **“Values in Healthcare –A Scientific Spiritual Approach”** on 21st and 22nd January 2022 funded by Trained Nurses Association of India (TNAI)

Nursing College/01

Nursing College/02



The poster features the logos of AIIMS Bathinda, VIHASA, and the Trained Nurses Association of India (TNAI). It lists the following participants:

- PROF. DR. P. K. SINGH**: Executive Director & Dean, AIIMS Bathinda
- PROF. DR. SATISH GUPTA**: Dean Academics, AIIMS Bathinda
- PROF. DR. J. ANK GILL**: Medical Superintendent, AIIMS Bathinda
- Mrs. Lalita Kumari**: Principal, TNAI Punjab State Branch
- Dr. Monika Sharma**: Associate Professor
- Dr. Harinder Kaur Walla**: Associate Professor
- Dr. Simranjeet Kaur**: Assistant Professor
- Mr. Ash Shama**: Assistant Professor
- Mrs. Nagdeep Kaur**: Assistant Professor

The event is titled: **NATIONAL VIRTUAL WORKSHOP ON "VALUES IN HEALTH CARE - A SCIENTIFIC SPIRITUAL APPROACH"**, held on **21st & 22nd January, 2022**. It is organized by the **Punjab State Branch** of the **Trained Nurses Association of India (TNAI)** in collaboration with the **Nursing College, All India Institute of Medical Sciences (AIIMS), Bathinda**. The poster also includes the logos for **Vision** and **INSCOL**.



HOSPITAL SERVICES



Assistant Medical Superintendent

Prof. Dr. Satish Gupta, Prof and Head, Dentistry

Deputy Medical Superintendent

Dr. Moonis Mirza, 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 including the COVID-19 vaccines.

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.

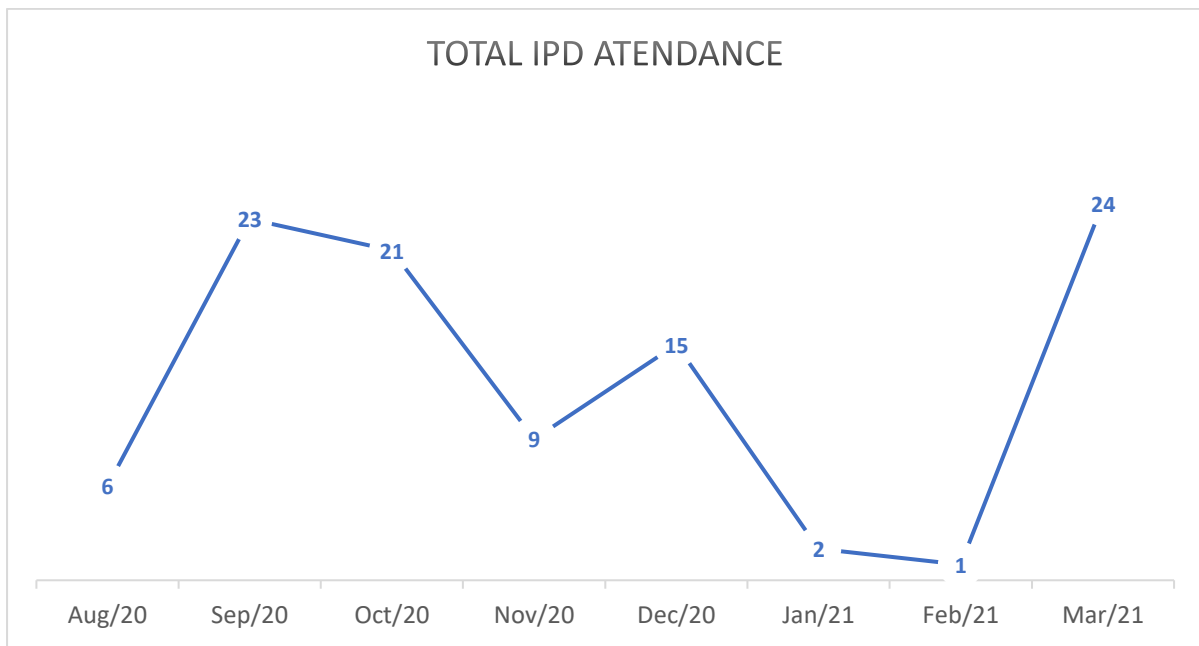
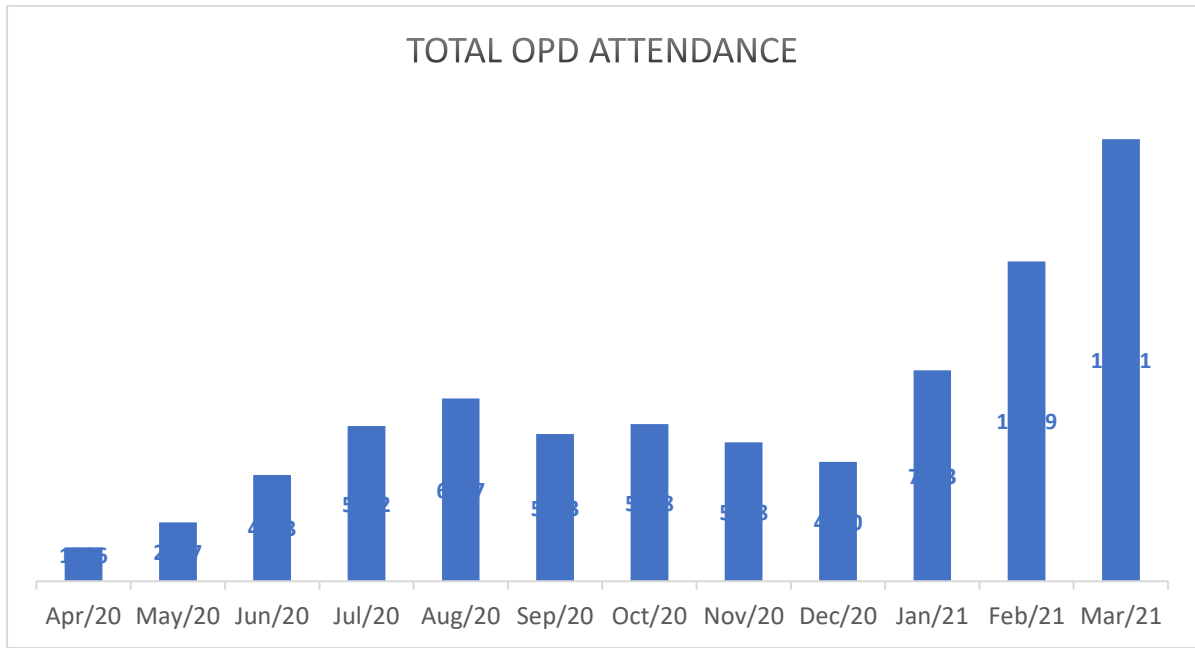
HOSPITAL INDICATORS		
1.	No. of functional beds (Total)	75 (makeshift beds for COVID-19) Including 25 ICU beds
2.	Utilization of beds (bed occupancy) % average	80% (100% during COVID)
3.	Average No. of patients visiting in IPD patients/month	337
4.	Average No. of patients visiting in OPD patients/day	20669
5.	No. of MOTs functional	Nil
6.	No. of OTs functional	4
7.	No. of specialty departments functional	23
8.	No. of super specialty departments functional	11
9.	No. of Major Surgeries (Total)	3748
10.	No. of Minor Surgeries (Total)	1538

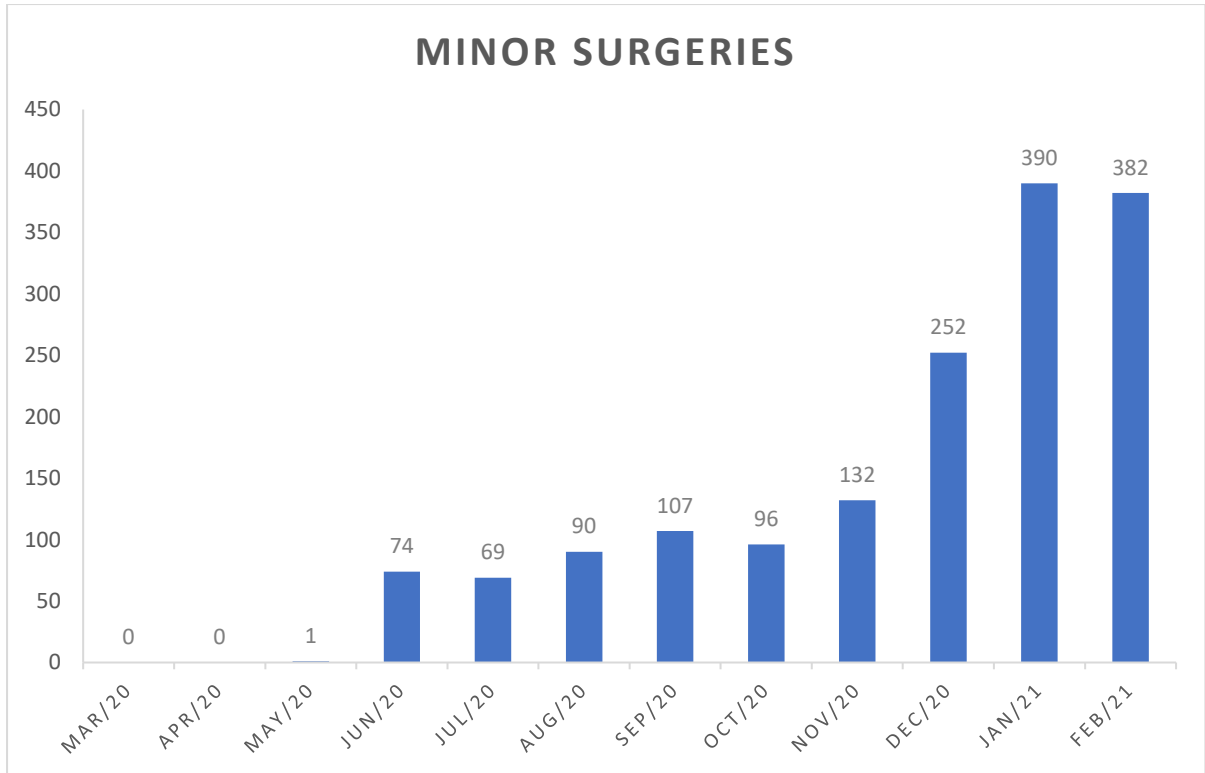


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Department-wise OPD Statistics Report Between Apr-2020 To Mar-2021

S. No.	Department	New Cases				Old Cases				Total			
		M	F	O	T	M	F	O	T	M	F	O	T
1	Anaesthesia	1	0	0	1	0	0	0	0	1	0	0	1
2	COVID-19	576	158	0	734	66	18	0	84	642	176	0	818
3	Dentistry	833	720	0	1553	368	355	0	723	1201	1075	0	2276
4	Dermatology	2432	2198	0	4630	1946	1734	0	3680	4378	3932	0	8310
5	E N T	1516	1271	0	2787	841	718	0	1559	2357	1989	0	4346
6	General Medicine	6171	5228	0	11399	5193	4926	0	10119	11364	10154	0	21518
7	General Surgery	738	688	0	1426	508	545	0	1053	1246	1233	0	2479
8	Obst and Gynae	0	1698	0	1698	0	1527	0	1527	0	3225	0	3225
9	Ophthalmology	1854	1726	0	3580	781	562	0	1343	2635	2288	0	4923
10	Orthopaedics	4979	7041	0	12020	2233	4898	0	7131	7212	11939	0	19151
11	Paediatrics	141	72	0	213	69	53	0	122	210	125	0	335
12	Paediatric Surgery	339	198	0	537	148	86	0	234	487	284	0	771
13	Psychiatry	948	753	0	1701	1328	1371	0	2699	2276	2124	0	4400
14	Radiation Oncology	140	182	0	322	183	284	0	467	323	466	0	789
15	Surgical Oncology	170	141	0	311	265	215	0	480	435	356	0	791
16	Telemedicine	1231	1303	0	2534	641	658	0	1299	1872	1961	0	3833
17	Urology	1281	457	0	1738	1864	557	0	2421	3145	1014	0	4159
	Grand Total	23350	23834	0	47184	16434	18507	0	34941	39784	42341	0	82125







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Census of hospital activity during the period under review

S. No	Services	Number
1.	Total OPD Patients	235404 (April 2021 – March 2022)
2.	Total IPD Patients	3738 (April 2021 – March 2022)
3.	Bacteriology	207 (April 2021 – March 2022)
4.	Biochemistry	344970 (April 2021 – March 2022)
5.	Clinical Pathology	22157 (April 2021 – March 2022)
6.	Cytopathology	5848 (April 2021 – March 2022)
7.	Haematology	44323 (April 2021 – March 2022)
8.	Microbiology	93 (April 2021 – March 2022)
9.	Mycology	1156 (April 2021 – March 2022)
10.	Parasitology	10 (April 2021 – March 2022)
11.	Serology	238 (April 2021 – March 2022)
12.	Virology	2824 (April 2021 – March 2022)
13.	Total Radiology Investigations	49001 (April 2021 – March 2022)
14.	Total Electrocardiogram	ECG – 12077 (April 2021 March 2022) ECHO – 3492 (April 2021 – March 2022)



Laboratory Services: Laboratory at AIIMS Bathinda

The central diagnostic lab is being run jointly along with Hind Labs vide a MoU signed with AIIMS Bathinda. Hind Labs being the service provider is supplying all the manpower and equipment required whereas the validation of equipment and results is being done by faculty of 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.

Pathology: Investigations include routine haematological indices, cytology, and histopathology.

State of the art equipment has been procured by Hind labs which include Dry chemistry analyzers, fully automate danalyzers, chemi-luminescence immunoassay and cell counter with further scope of expansion into newer machine and technology.



Pharmacy Services: AMRIT Pharmacy at AIIMS Bathinda

Affordable Medicines and Reliable implants for Treatment (AMRIT) an initiative launched by the Ministry of Health & Family Welfare provide affordable medicines for treatment of diseases. The Pharmacy facilitates safe, effective, efficient and economical use of medications with the aim of optimizing patient care by trained staff. Pharmacy is committed to reduce the treatment cost and bringing about a change with treatment being affordable to every patient. AMRIT pharmacy employs registered pharmacist to dispense the medicines. The Pharmacists follow the procedures prescribed in Dispensing Pharmacy Discipline. They ensure that, the right patient is served, a desired dosage form of the correct drug is given, the prescribed dosage and quantity are given, the right container that maintains the potency of the drugs is used, the container is appropriately labelled, and clear instructions have been delivered to the patient. The Standard dispensing procedure followed by Pharmacists. Along with the Drug dispensing procedures, pharmacists follow a store level process that involves, computerized real time data and some manual interventions.



**DEPARTMENT WISE DETAILS
OF THE CLINICAL
ACTIVITIES**



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DEPARTMENT OF ANESTHESIA & CRITICAL CARE

For departments engaged in clinical patient care:

S. No	Category	Number
1.	Patients seen in OPD	1580
2.	Patients admitted in IPD	-
3.	Teleconsultations	0
4.	Procedures performed	A. Major
	A. Major	April,2021 11
	B. Minor	May - 3
		June- 25
		July- 39
		August- 70
		September- 94
		October- 130
		November- 68
		December- 110
		January- 125
		February- 147
		March,22 168
		Total = 990
		B. Minor = 157
5.	Any other special clinic/activity	Pain Clinic
		Pain Clinic OPD-
		September 16
		October 17
		November 9
		December 17
		January 42
		February 30
		March 34
		Pain Clinic OT
		September 4
		October 2
		November 2
		December 4
		January 6
		February 7
		March 3



DEPARTMENT OF BIOCHEMISTRY

Diagnostic Services

S.No	Name of Test	Number
1	Glucose	16887
2	Urea	22063
3	Creatinine	23269
4	Cholesterol	6913
5	Triglycerides	7078
6	HDL	6817
7	Direct Bilirubin	18334
8	Total Bilirubin	18435
9	SGOT(Serum Glutamate Oxaloacetate Transaminase)	19219
10	SGPT(Serum Glutamate Pyruvate Transaminase)	19192
11	Alkaline Phosphatase	19239
12	Total Protein	18353
13	Albumin	18486
14	Uric Acid	4172
15	Calcium	4561
16	Phosphorus	700
17	Amylase	888
18	Sodium	6762
19	Potassium	6762
20	Chloride	6762
21	ABG	583
22	HbA1c	97
23	CRP	627
	Total Investigations	246199



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DEPARTMENT OF BURNS AND PLASTIC SURGERY

Patient care

S. No	Category	Number
1.	Patients seen in OPD	1441
2.	Patients admitted in IPD	40
3.	Teleconsultations	01
4.	Procedures performed A. Major B. Minor	37 10
5.	Any other special clinic/activity A. Cleft lip and palate clinic B. Aesthetic clinic C. Hand Surgery clinic D. Wound Clinic	62 78 53 46

DEPARTMENT OF COMMUNITY AND FAMILY MEDINE

Vaccination

COVID- 16263

Adult (Dec 21- Mar 22)- 389

Pregnant Women (Td) - 12

Pediatric- 82

RHTC Badal- 310 (in coordination with Dept of Ophtalmology and Orthopaedics)

DEPARTMENT OF DERMATOLOGY

S. No	Category	Number
1.	Patients seen in OPD	17847
2.	Patients admitted in IPD	18
3.	Teleconsultations	743
4.	Procedures performed	1138



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DEPARTMENT OF DENTISTRY

S. No	Category	Number
1.	Patients seen in OPD	8152
2.	Teleconsultations	79
3.	Procedures performed	
	Flap Surgeries	49
	Laser Assisted procedures	29
	Orthodontic Bonding	29
	Curettage	29
	Frenectomies	18
	Ortho Bite retraction Plate	13
	Gingivectomy	11
	Root Coverage	6
	Root Canal Treatment	130
	Restorations	483
	Scaling and Root Planing	463
	Root Canal Treatment	130
	Extractions	488
	Dental X rays	588

**DEPARTMENT OF ENT****Patient care:**

S. No	Category	Number
1.	Patients seen in OPD	14,655
2.	Patients admitted in IPD	339
3.	Teleconsultations	116
4.	Procedures performed	
	A. Major	243
	B. Minor	171
5.	Any other special clinic/activity	
	Vertigo Clinic	239
	Head and neck Clinic	120
	Otology clinic	328
	Skull base clinic	34

DEPARTMENT OF ENDOCRINOLOGY**For departments engaged in clinical patient care:**

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

**For diagnostic departments:**

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

DEPARTMENT OF GENERAL MEDICINE**SPECIAL CLINICS:**

- Fibro scan and liver clinic
- Diabetes clinic
- Hypertension clinic
- Rheumatology clinic

Diagnostic services – ECG & 2D-ECHO

Courses offered – Training of MBBS, PG, Respiratory Therapist and BSc Nursing students

Major Equipment available – ECG, ECHO, Defibrillator, Pulse Oximeter, Cardiac Monitor.

For departments engaged in clinical patient care:

S No	Category	Number
1.	Patients seen in OPD	50088
2.	Patients admitted in IPD	107
3.	Teleconsultations	1230
4.	Procedures performed A. Major B. Minor	-

Diagnostics:

S. No	Name of test	Number
1.	ECG	15000
2.	ECHO	50



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DEPARTMENT OF GENERAL SURGERY

S. No	Category	Number
1.	Patients seen in OPD	10,615 patients
2.	Patients admitted in IPD	256 patients
3.	Teleconsultations	-
4.	Procedures performed	210cases
	A. Major	1235 cases
	B. Minor	

DEPARTMENT OF OBSTETRICS& GYNECOLOGY

S. No	Category	Number
1.	Patients seen in OPD	9179
2.	Patients admitted in IPD	123
	Day-care	193
3.	Teleconsultations	281
4.	Procedures Performed(Total)	357
	A. Major	105
	B. Minor	252
5.	Any other special clinic/activity(Total)	1223
	A.PAP	759
	B.USG	433
	C.Colposcopy	31



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DEPARTMENT OF MICROBIOLOGY

S. 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

DEPARTMENT OF NEUROSURGERY

S. No	Category	Number
1.	Patients seen in OPD	12958
2.	Patients admitted in IPD	167
3.	Teleconsultations	80
4.	Procedures performed A. Major B. Minor	A. 137 B. 112

DEPARTMENT OF OPHTHALMOLOGY

S. No	Category	Number
1.	Patients seen in OPD	13881
2.	Patients admitted in IPD	104
3.	Teleconsultations	123
4.	Procedures performed A. Major B. Minor	54 231
5.	Any other special clinic/activity	Glaucoma Cornea Retina



Diagnostics

S. No	Category	Number
1.	Optical coherence tomography	1887
2.	Perimetry	329
3.	Ultrasonography (B-SCAN)	264
4.	Fundus fluoresceineangiography	174
5.	Laser procedures	170

DEPARTMENT OF ORTHOPEDICS

For departments engaged in clinical patient care:

S. No	Category	Number
1.	Patients seen in OPD	53616
2.	Patients admitted in IPD	339
3.	Teleconsultations	615
4.	Procedures performed A. Major (Operation) B. Minor (injection+Plaster)	410 950+659(=1609)
5.	Any other special clinic/activity Sports clinic CTEV clinic	97 30

Diagnostics:

S. No	Category	Number
1.	CT Guided biopsy	45
2.	Usg guided aspiration	50

**DEPARTMENT OF PATHOLOGY****Diagnostics**

S. No	Category	Number	
1.	Blood Sample collection	44334	
2.	Routine Hematology	CBC	28280
		ESR	3093
		PBF	890
3.	Clinical Pathology	Urine Physical/ Chemical	11595
		Urine	11595
		Microscopic	
		Semen Analysis	51
		Fluid Cell Count	5
4.	Special Hematology	PT	2751
		APTT	782
		D-Dimer	320
		Fibrinogen	306
		Lupus screen	20
		Lupus Confirm	20
		HPLC	300
		Bone Marrow Examination	4
		Reticulocyte Count	10
5.	Cytology	FNAC	520
		PAP smear	794
		Fluid Cytology	34
		Tzanck Smear	36
6.	Histopathology	306	
Total		1,06,828	



DEPARTMENT OF PEDIATRICS

For departments engaged in clinical patient care:

S. No	Category	Number
1.	Patients seen in OPD	765 (During tenure of Dr. Rohit Bhowmik, Oct 2021 to Jan 2022. For rest of the year Paediatric surgery was looking after Department of Paediatrics
2.	Patients admitted in IPD	0
3.	Teleconsultations	0
4.	Procedures performed A. Major B. Minor	0

DEPARTMENT OF PSYCHIATRY

S. No	Category	Number
1.	Patients seen in OPD	8378 in 2021 4109 in 2022
2.	Patients admitted in IPD	10 in 2021 23 in 2022
3.	Teleconsultations	-----

DEPARTMENT OF PULMONARY MEDICINE

S. No	Category	Number
1.	Patients seen in OPD	4067
2.	Patients admitted in IPD	27
3.	Teleconsultations	20
4.	Procedures performed A. Major B. Minor	20 52
5.	Any other special clinic/activity	ABPA Clinic

For diagnostic departments:

S. No	Category	Number
1.	Spirometry	56
2.	6MWT	23



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DEPARTMENT OF RADIATION ONCOLOGY

S. No	Category	Number
1.	Patients seen in OPD	2033
2.	Patients admitted in IPD	590
3.	Teleconsultations	----
4.	Any other special clinic/activity	ENT, ORTHO tumor clinics

DEPARTMENT OF RADIODIAGNOSIS

Diagnostics

S. No	Category	Number
1.	X-ray	31,871
2.	USG + Doppler+interventions	4115
3.	CT scan+interventions	3693
4.	MRI scan	3111

DEPARTMENT OF SURGICAL GASTROENTEROLOGY

Patient care

S. No	Category	Number
1.	Patients seen in OPD	1191
2.	Patients admitted in IPD	7
3.	Teleconsultations	----
4.	Procedures performed	7
5.	Any other special clinic/activity	Specialty Clinic (2:00-4:00 PM):- Hepatobiliary and portal hypertension clinic: Monday Pancreas clinic: Wednesday Upper GI (Esophagus and stomach) Clinic: Friday



CENTRAL FACILITIES



Centre for Medical Education Technology (CMET)

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 programmes 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 programmes in medical education.

The Team –

S. No.	Name	Designation	Role
1	Prof. Dr. D.K. Singh	Executive Director, AIIMS Bathinda	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



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Events –

S. No.	Date	Topic of Workshop	Organizing Chairperson	Guest Speaker	Resource Faculty
1	29-Dec-2021	e-Learning Tools	Dr. Akhilesh Pathak	Dr. Chinmay Shah	Dr. Navita Aggarwal, Dr. Niket Verma
2	13-Dec-2021	Self-directed Learning	Dr. Akhilesh Pathak	Dr. Dinesh Badyal	Dr. Navita Aggarwal, Dr. Niket Verma
3	22-Sep-2021	Designing Effective Questions	Dr. Akhilesh Pathak	Dr. Dinesh Badyal	Dr. Navita Aggarwal, Dr. Niket Verma
4	13-Sep-2021	Introduction to Jigsaw Teaching	Dr. Akhilesh Pathak		Dr. Navita Aggarwal, Dr. Niket Verma

Pictures –



Workshop on e-learning Tools – 29th December 2021



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Workshop on Self Directed Learning – 13th December 2021



Workshop on Designing Effective Questions – 22nd September 2021



Workshop on Introduction to Jigsaw Teaching – 13th September 2021



UG HOSTELS

Undergraduate Boys' Hostel

Superintendent:

Dr Vaibhav Saini, Associate Professor, Dept of ENT

Assistant Superintendent:

Dr. Soumya Swaroop Sahoo, Assistant Professor, Dept of CFM

AIIMS Bathinda has a facility of 242-seater boys' hostel (121 rooms on twin sharing basis) with an attached dining mess facility. Occupation of the boys' hostel was started on October 2020 once the COVID pandemic slowed down. 31 boys from the academic year 2019 and 59 boys from academic year 2020 are currently living in the hostel premises. The hostel has state of the art facilities with a common room, 64 seated reading room, Wi-Fi internet connectivity, RO water purifiers, visiting room, room for indoor games and a mini library. The hostel is safe and sound with round the clock deployment of security guards.

Undergraduate Girls' Hostel

Superintendent:

Dr Priti Chaudhary, Additional Professor, Dept of Anatomy

Assistant Superintendent:

Dr Ankita Kankaria, Assistant Professor, Dept of CFM

AIIMS Bathinda provides a facility of 242-seater girls' hostel (121 rooms on twin sharing basis) with an attached dining mess facility. Occupation of the girls' hostel was started on October 2020 once the COVID pandemic slowed down. 18 girls from the academic year 2019 and 41 girls from academic year 2020 are currently living in the hostel premises. The hostel has state of the art facilities with a common room, 64 seated reading room, Wi-Fi internet connectivity, RO water purifiers, visiting room, room for indoor games and a mini library. The safety and security of the girl students is specially taken care of with round the clock deployment of security guards.



RESEARCH CELL

Institutional Research Committee was formulated on 25 July 2020 to provide a platform for discussion and approval of research projects. The first Institutional Research Committee meeting was held on 9th August 2020 under chairmanship of Prof Dr. Lajya Devi Goyal. In first meeting basic guidelines for proper functioning of Research Committee were formulated.

Screening of the projects submitted to the committee was done on the basis of feasibility, novelty, and methodology. Researchers were guided regarding material and methods for conducting valid research.

Aims and Objectives of Institutional Research Committee:

- To provide support, guidance and advise for research.
- To promote research among students and doctors.
- To implement research.
- To review and disseminate research findings.

Following projects were discussed and approved in research cell meetings held between 1/4/2021 to 23/03/2022

1. Total meetings held: 10
2. No of projects approved: 36
3. No of projects discussed: 43
4. STS projects approved: 01

Teaching and training initiative

Research cell organized one day **Research Methodology Workshop** in the month of October 2021

Members of research cell:

S. NO	NAME OF FACULTY	DESIGNATION
1	Dr. Lajya Devi Goyal	Chairperson
2	Dr. Vaibhav Saini	Member Secretary
3	Dr. Mintu Pal	Member Secretary
4	Dr. Rakesh Kakka	Member
5	Dr. Gurvinder Pal Singh	Member
6	Dr. Gitanjali	Member
7	Dr. Ajay Kumar	Member
8	Dr. Paramdeep Singh	Member
9	Dr. Mahendra Pratap Singh	Member



INSTITUTIONAL ETHICS COMMITTEE (IEC)

S. No.	Name of Member	Qualification	Role/Designation in Ethics Committee
1	Dr. Jitendra Aneja	MBBS (MD- Psychiatry)	Clinician
2	Lajya Devi Goyal	MBBS (MD- Obstetrics &Gynaecology)	Clinician
3	Dr. Anuradha Raj	MBBS (MD/MS - Ophthalmology)	Clinician
4	Dr. Satinder Gomer	MBBS (MD-Anaesthesia)	Chair Person
5	Dr. Priti Choudhary	MBBS (MS- Anatomy)	Member Secretary
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. 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.

Third meeting of the IEC meeting was held on 30-07-2021 from 4pm to 5pm at Conference Room, AIIMS, Bathinda. All the members of the committee including chairperson attended the meeting at the conference room. During the meeting, a total of 47 research projects were discussed. All the projects discussed during the meeting were approved, except one which was suggested to provide further information/permission.

Fourth Meeting held on 23-02-2022, during the meeting total of 31 projects were discussed by the committee after suggested modifications.



Members of Institutional Ethics Committee



INTERNATIONAL 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.

S.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 AIIMS Bathinda 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 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 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
- (b) Procurement
- (c) Recruitment
- (d) Citizen Charter
- (e) Grievance Form
- (f) Hospital Services
- (g) Departmental Information
- (h) Exams and Results
- (i) Enquiry
- (j) Gallery
- (k) Vendor Form
- (l) OPD Roster
- (m) Events

Website also contains following links to register directly to avail hospital services:

- (a) Online OPD registration through ORS portal.
- (b) Tele consultation link via eSanjeevani



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News & Notifications

Purchase of Consumables for Automated Blood Culture System and Automated Bacterial Identification & Sensitivity System on Proprietary basis- Inviting Comment thereon

[View all](#)

Online Registration Tele consultation eSanjeevani OPD

Procurement

Recruitment

Posted on 29-Apr-2022
Invitation for Quotations for Orthodontic Instruments for Department of Dentistry

Posted on 29-Aug-2022
Invitation of quotations for ARTHROSCOPIC SHAWER BLADES for The Department of Orthopaedic

[View all](#)

Events

05 NOV
Event: "Navigating the Currents in Wound Care" | WOUNDCON 2022 | XXIV Annual National Conference of Indian Society of Wound Management

19 SEP
Event: Fungal Disease Awareness Week | Department of Microbiology

10 SEP
Event: SCAMPER 2022- QUIZ, MODELS, CONCEPT MAP, ROLE PLAY, ANATOMY ART ON LIVE CANVAS (Departments of Anatomy, Physiology & Biochemistry)

[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's emisions 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...](#)

Directions to AIIMS Bathinda

[View target map](#)

Patients Registration for OPD

Last Week : 11807

Till Now : 608243

Quick Links

- Central Library
- Dehdaan Mahadaan
- HMS Login

Helpline Numbers

Psychiatry Problems
0164 - 2867575/ 0164-2867576

Tele Consultation
0164 - 2867250/ 7253/7254/7256

Our Gallery

[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 (PMSY).

Other AIIMS	Useful Links	Important Link	Timings
AIIMS Delhi	Citizen Charter	Disclaimer	OPD Registration Timing : Monday to Friday 08:30 AM to 11:00 AM Saturday 08:30 AM to 10:00 AM
AIIMS Bhubaneswar	Grievance Form	Privacy Policy	Tele Consultation : 08:30 AM to 01:00 PM
AIIMS Jodhpur	MOHFW	Web Privacy Policy	Email : support@aiimsbathinda.edu.in
AIIMS Patna	PMSY	Covid Bed Availability	Address : Mundi Dabwali Road, Bathinda Punjab-151001
AIIMS Raipur	DoPT	HMS Login	
AIIMS Bhopal	Dehdaan Mahadaan		

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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.

Dashboard Queue Management Home - Dashboard

<p>0 To 90</p> <p>Department of Orthopaedics</p> <p>Block 'B'</p> <p>0</p>	<p>0 To 100</p> <p>Department of General Medicine</p> <p>Block 'C'</p> <p>0</p>
<p>0 ਤੋਂ 90</p> <p>ਹੱਡੀਆਂ ਦਾ ਵਿਭਾਗ</p> <p>ਬਲਾਕ 'ਬੀ'</p> <p>0</p>	<p>0 ਤੋਂ 100</p> <p>ਜਨਰਲ ਮੈਡੀਸਨ</p> <p>ਬਲਾਕ 'ਸੀ'</p> <p>0</p>

Alert!

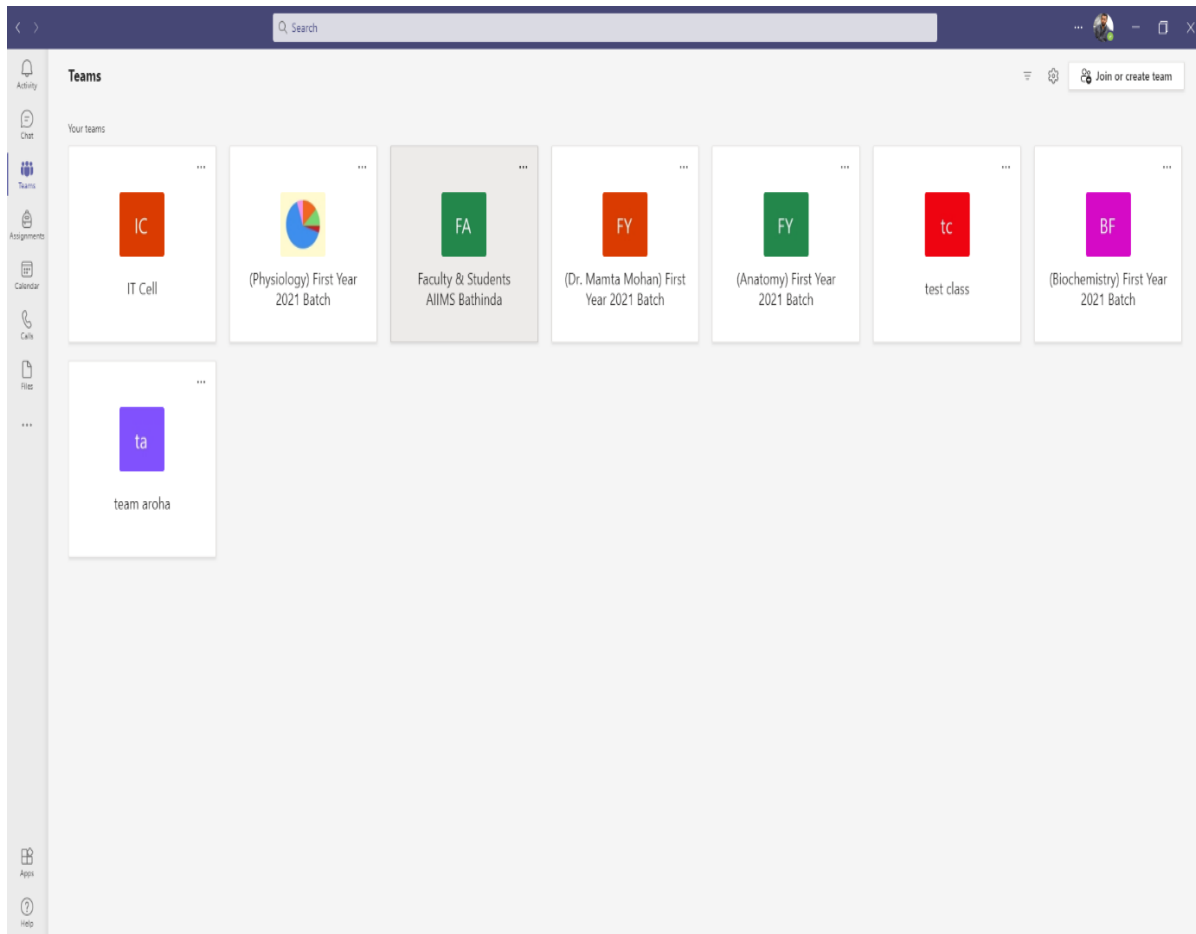
COVID-19 spreads primarily from person to person. Fighting this disease is our joint responsibility. Protect yourself and others by maintaining social distancing.

ਕੋਵਿਡ -19 ਮੁੱਖ ਤੌਰ 'ਤੇ ਇੱਕ ਵਿਅਕਤੀ ਤੋਂ ਦੂਜੇ ਵਿਅਕਤੀ ਵਿੱਚ ਫੈਲਦੀ ਹੈ। ਇਸ ਬਿਮਾਰੀ ਨਾਲ ਲੜਨਾ ਸਾਡੀ ਸਾਂਝੀ ਜ਼ਿੰਮੇਵਾਰੀ ਹੈ। ਸਮਾਜਿਕ ਦੂਰੀ ਬਣਾ ਕੇ ਆਪਣੇ ਆਪ ਦੀ ਅਤੇ ਦੂਜਿਆਂ ਦੀ ਰੱਖਿਆ ਕਰੋ।

Learning Management System (LMS): - Platforms that are implemented by IT Cell and are used for 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 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.



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) User Management
- (c) Emergency Registration
- (d) Patient Enquiry
- (e) Patient Billing
- (f) ADT (Admission Discharge Transfer)
- (g) OPD with Order Management
- (h) IPD Management System
- (i) MRD and EMR
- (j) OT and Anesthesia



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The screenshot displays the AIIMS Bathinda website interface. At the top, there is a navigation menu with links for HOME, ABOUT, FEATURES, LINK, GALLERY, and CONTACT. Below the menu is a large banner image of the hospital building. To the right of the banner is a LOGIN form with fields for 'Enter User Name' and 'Enter Password', and buttons for 'Login' and 'Forgot Password?'. Below the banner is an 'ABOUT US' section featuring a circular diagram labeled 'e-Sushrut' with icons for various hospital departments: Registration, Consultation, Ward, Nursing, Pharmacy, Laboratory, Casualty Desk, OT Service Area, Diet Kitchen, and Lab-Test. To the right of the diagram is a paragraph describing the e-Sushrut Hospital Management Information System and a 'Read More' button. Below this is a 'WHAT WE DO' section with six cards: Electronic Health Record, Medical Billing, Barcode Integration, Dashboard and Dynamic Reports, Mobile Application and Web Portal, and Integration with Mera Asptaal. Each card includes an icon, a brief description, and a 'Read More' link. Below the 'WHAT WE DO' section is a 'USEFUL LINK' section with icons for 'AIIMS WEBSITE' and 'PATIENT PORTAL'. Below that is a 'GALLERY' section with a horizontal scroll of images showing the hospital's exterior. At the bottom, there is a footer with 'Navigation' links (HOME, ABOUT, FEATURES, LINK, GALLERY, CONTACT), 'Useful Links' (AIIMS Website, Patient Portal), and 'Get In Touch With us' (address, phone, email, and fax numbers). The footer also features the 'e-Sushrut OS' logo and the text 'advance hospital management information system'.

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 banner for 'Digital India AatmaNirbhar India' and a large graphic of Prime Minister Narendra Modi with the text '6 Years of Digital India'. The main text reads 'eSanjeevani National Telemedicine Service: Providing Risk-free, Contactless & Safe healthcare services'. A list of participating institutions is provided, along with a note that services are now available free of cost through 3.75 lakh Common Service Centres. A woman is shown using a laptop in the bottom right corner.

MINISTRY OF ELECTRONICS AND INFORMATION TECHNOLOGY
GOVERNMENT OF INDIA

Digital India

eSanjeevani OPD
STAY HOME OPD

Digital India AatmaNirbhar India

eSanjeevani

National Telemedicine Service:
Providing Risk-free, Contactless
& Safe healthcare services

6 Years of Digital India

- 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

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



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Aadhaar number is already linked with UHID number, then appointment number will be given and UHID will remain the same.

AIIMS Bathinda started online appointment using ORS portal. Admin Panel in which new entries of doctors for various departments, OPD schedule, record updation is maintained by IT Cell.

Need an appointment?
Follow the simple steps below and get your appointment fixed online!

1. Verify yourself using Mobile No.
2. Choose Department
3. Select date of appointment
4. Verify yourself using Aadhaar Number
5. Get confirmation sms

Have queries?
e-mail us helpdesk-ors[at]gov[dot]in

New Appointment

Verify yourself using Mobile No.

PLEASE ENTER YOUR MOBILE NUMBER

10 digit no.
90969

Type the Characters

SUBMIT

[Click Here To View/Print/Pay/Cancel Appointment](#)

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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.

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.

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 devises such as LED Display (126 Feet), Video End Point, Microphones etc. Administration is using this VC room for videos conferences such as meetings, lectures, interviews on various platforms like google meet, cisco, Webex, Zoom, Microsoft Team etc.

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.



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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.

Facebook & Twitter:- Official FB page (<https://www.facebook.com/aiimsbathinda/>)& Twitter (<https://www.twitter.com/Aiimsbathinda>) of AIIMS Bathinda regularly posts on these platforms, related to patient care, events, important days, Lectures etc. Twitter account of AIIMS Bathinda is verified and process to verify all other social media platforms is going on.

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.

CMS and LMS from RailTel: On Pilot basis, Ministry of Health and Family Welfare, selected AIIMS Bathinda and AIIMS Raebareli to implement College Management System (CMS) and Learning Management System (LMS) and this software will be used to digitize all the academic & administrative records for students & staff through a single integrated platform. In addition, 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.

Modules:

- **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
- **Administration**
 1. Employee Management
 2. Inventory & Procurement
 3. Fee & Fine
 4. Payroll
 5. Financial Management & Book Keeping
 6. System Administration
- **MIS Module**
- **SMS Module Administration**
- **Learning Management System**

Procurement process to implement CMS and LMS in AIIMS Bathinda is going on.



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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.

Data Center: Procurement process for the implementation of data center in AIIMS Bathinda is going on via GeM portal through Bid/RA and the HMIS (eSushrut) application will be hosted from the inhouse data center once it gets operational.

Procurement in IT Store: - IT related items/ equipment have been procured by the IT Cell via GeM portal and direct purchase and their information is as per written below: -

1. All in One PC
2. Mono Printers
3. Color Printer
4. Barcode Printers
5. Barcode Readers
6. Biometric Reader
7. Iris Scanner
8. Thermal Ribbons
9. Canon 337 Toners
10. HP 103AD Reload Kit
11. Canon NPG 59 Toners
12. Canon NPG 59 Drum Unit
13. LAN Cables
14. Cisco Webex Meeting Subscription
15. Wildcard SSL for Website
16. Website Hosting Services
17. Portable Projector Screen
18. Endpoint Antivirus Solution
19. Video Conferencing LED Wall
20. 1 TB Portable Hard Disk
21. Pen drives

Technical Support: - IT Cell is providing technical support in various online and offline events such as conferences, CMEs, interviews etc. Installation of PC, Printers, barcode printers, podium, projectors etc. in various departments and offices are also managed by the IT Cell only.



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MEDIA CELL

Prof. Satish Gupta was designated, as Official Spokesperson of AIIMS, Bathinda by PGIMER Chandigarh being our Mentor Institute as per order No. F.11012/EI(I) BTH/2020 on 17.04.2020.

The Official Spokesperson has successfully organized press conferences, press meets and ensured continuous dissemination of information for the benefit of general public, at large.



RTI CELL

❖ Established: -

- RTI Cell was set up at AIIMS Bathinda in the year 2020.

❖ Faculty/Staff deputed in the RTI Cell: -

- 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. Devender Singh	-	First Appellate Authority
Rawat (upto 15 Mar 2022)		
Dr. Bhola Nath	-	Nodal Officer cum PIO
Er. Rakesh Singla	-	APIO

❖ Preparation of RTI SoPs: -

- 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.
- The SoPs were duly approved by the Director and were implemented accordingly by the RTI Cell.

❖ RTI Cell Record (1st April 2021 to 31st Mar, 2022):

No. of RTI Applications received	-	103
No. of RTI Applications replied	-	103
No of RTI Reply Pending	-	Nil



HORTICULTURE CELL

In charge: Dr. Bhola Nath

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.





EXAMINATION CELL

❖ **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

❖ **Faculty/Staff deputed in the Examination Cell: -**

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

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

❖ **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.

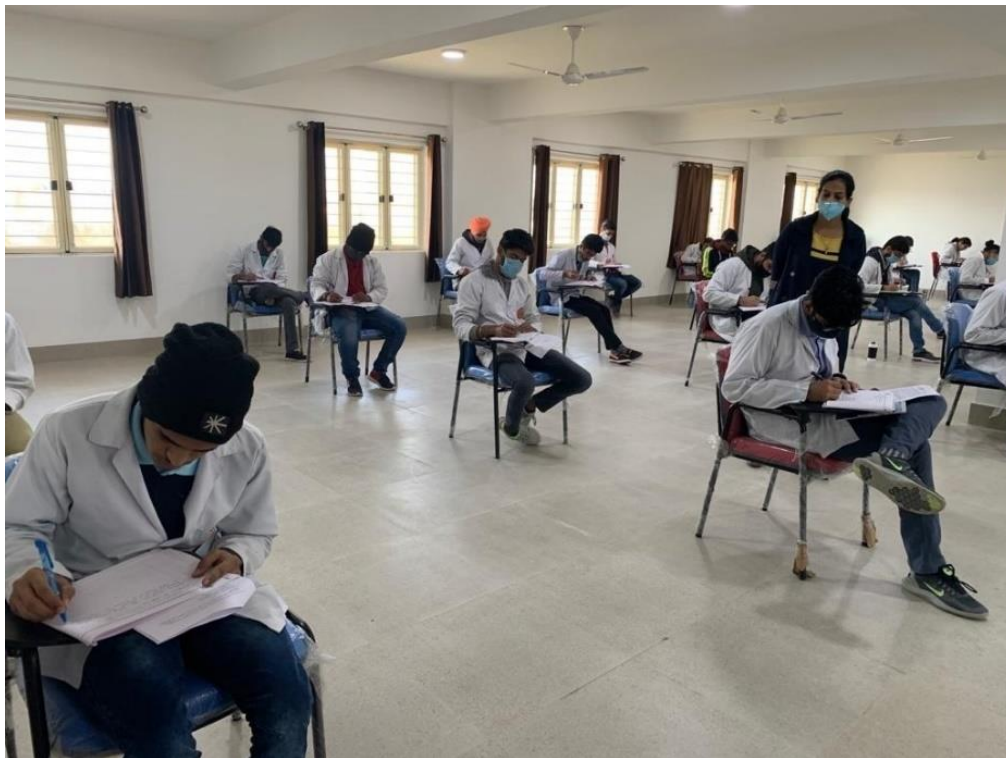
❖ **First Professional & Supplementary Professional MBBS Examination Batch- 2020: -**

- 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.



❖ 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.





HOSPITAL INFECTION CONTROL COMMITTEE

Under the guidance of our worthy Director, Prof Dr. Dinesh Kumar Gupta, Hospital Infection Control Committee was formulated on 29 August 2020.

S. No.	Name	Designation	Department	Role
1.	Prof. Satish K Gupta	Professor	Dentistry	Chairperson & Additional Medical Superintendent
2.	Dr. Vaibhav Saini	Associate Professor	ENT	Member Secretary
3.	Dr. Navdeep Singh Dhoat	Assistant Professor	Pediatric Surgery	Member
4.	Dr.Sivanantham K	Assistant Professor	Microbiology	OIC Infection Control
5.	Dr. Amandeep Kaur	Assistant Professor	Dept of General Medicine	Member
6.	Dr.NavnehSamagh	Assistant Professor	Dept of Anesthesia	Member
7.	Dr.Kavin Khatri	Assistant Professor	Dept of Orthopedics	Member
8.	Dr.Moonis Mirza	Assistant Professor	Dept of Hospital Administration	Member
9.	Ms. S. Margaret Kom	Nursing Officer		Member



IMPORTANT ACTIVITIES UNDER HICC:

The following training and educational activities are conducted by infection control committee under 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
September 21-24	2020	Training on hand hygiene, donning and doffing of PPE, BMW management to all the HCWs (Nursing Officers, HA, SA, LT, LA, Security personnel).
October 15	2020	Global hand washing day; Observed Hand hygiene awareness to all the health care workers
November 12	2020	COVID TRACING was initiated and virtual education on preventive measures was provided to all the infected HCWs.
December	2020	Training conducted continuously on hand hygiene, donning, doffing of PPE and BMW management in COVID WARDS.
January 1	2021	Training conducted to medical students (first year MBBS) on various infection control practices -Hand hygiene -Donning and doffing of PPE with emphasis on COVID-19 -BMW management
January 5-29	2021	Training Conducted by OIC, Infection Control on various topic regarding infection control practices for the infection control nurses (ICNs). - Water Surveillance - Air Sample surveillance in OT - Environment Surface Surveillance - Needle Stick Injury Management - Vaccination of healthcare workers
February 2-23	2021	Training conducted by OIC, Infection Control on various topic regarding infection control practices for ICNs. -Outbreak Investigations -Overview on Healthcare Associated Infections -Catheter Associated Urinary Tract infections -Surgical Site Infections -Ventilator Associated Pneumonia/ events -Central Line Associated Blood Stream infections



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VIGILANCE CELL

Chief Vigilance Officer

Dr. Priti Chaudhary

Member Secretary

Dr. Sapna Marcus Bhatta

Committee members

Dr. Jitender Aneja

Dr. Tarun Goyal

Dr. Anjali Singal

Dr. Apurba Patra

Dr. Madhur Verma

Dr. Saket Sinha

Dr. Soumya Swaroop Sahoo

Dr. Hassimranjit Singh

The observance of the Vigilance Awareness Week commenced with the virtual session Integrity Pledge presided over by the Executive Director and CEO, Dr. D. K. Singh, who also formally inaugurated the week. Dr. D.K. Singh 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 reiterated that the institute has a zero-tolerance policy for any kind of corruption.

Dr. Priti Chaudhary, the Chief Vigilance Officer of the institute overlooked the various activities like awareness lectures about the ill-effects of corruption, theme based rangoli, debates, quiz, slogan and poster making competitions that were organized in the campus over the week.



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FINANCE DIVISION



BALANCE SHEET FOR THE FY. 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
BALANCE SHEET AS AT 31.03.2022				
Particulars	Schedule	Current Year	Previous Year	(Amount in Rs.)
Corpus/Capital Fund and Liabilities				
Corpus/Capital Fund	1	7,24,25,64,603.09	3,59,17,71,555.44	
Reserve & Surplus	2	1.00	1.00	
Earmarked/Endowment/Corpus Fund	3	30,34,94,472.34	97,28,432.62	
Secured Loans & Borrowings	4	-	3,17,60,50,006.65	
Unsecured Loans & Borrowings	5	-	-	
Deferred Credit Liabilities	6	-	-	
Current Liabilities & Provisions	7	21,89,60,743.07	44,44,60,001.60	
TOTAL		7,76,50,19,819.50	7,22,20,09,997.31	
ASSETS				
Fixed Assets - Net Block	8	7,28,88,73,698.74	5,40,45,79,225.20	
Investment - From Earmarked/Endowment Fund	9	-	-	
Investment -Others	10	-	-	
Current Assets, Loans, Advances etc.	11	47,61,46,120.76	1,81,74,30,772.11	
Miscellaneous Expenditure- Incidental			-	
TOTAL		7,76,50,19,819.50	7,22,20,09,997.31	
Significant Accounting Policies	24			
Contingent Liabilities & Notes on Accounts	25			

Place : BATHINDA

Date : 28.06.22

Leena Kumari
(Leena Kumari)
Accounts Officer

Abhay
(Kumar Abhay, ICAAS)
Financial Advisor

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



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RECEIPT & PAYMENT FOR THE FY. 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
RECEIPT & PAYMENT FOR THE YEAR 01-04-21 TO 31-03-2022				
	RECEIPTS		PAYMENTS	
	Current Year 31.03.2022	Previous Year 31.03.2021	Current Year 31.03.2022	Previous Year 31.03.2021
Opening Balance - Institute				
Cash in Hand	1,265.00			
Receivable from PGI-Grant		500.00		
Receivable from PGI-HEFA Interest		1,95,34,992.00		345.16
SBI Account-74890	9,83,23,928.56	8,97,746.00		2,64,10,919.00
Canara Bank Escrow Account	26,26,00,984.00	24,78,597.57		31,54,841.00
Canara Bank Grant Receivable Account		1,02,254.00		11,16,348.00
Imprest to staff	13,96,884.72	26,26,77,098.00		10,91,946.00
Saving Acc 77772 ✓		5,25,683.72		45,132.00
SBI GAP-94375	16,29,742.00			
SBI HR-94104				11,461.00
SBI-AIIMS BATHINDA 61673				
SBI Gem pool Account	2,41,15,263.00			1,40,128.00
Grant In Aid (GOI Instl. A/c				41,62,656.00
Grant-in-Aid (For salary)	89,00,00,000.00	17,50,00,000.00		28,456.00
Grant-in-Aid (For General)	10,00,00,000.00	13,00,00,000.00		1,39,301.00
Grant-in-Aid (For Creation of capital assets)	15,00,00,000.00	7,00,00,000.00		70,240.00
Grant-in-Aid For ECRP (General)	1,45,00,000.00			2,39,940.00
Grant-in-Aid For ECRP (Salary)	44,00,000.00			17,89,643.00
Grant-in-Aid (For SAP)	2,00,00,000.00			2,95,33,971.00
Grant-in-Aid (HEFA Principal)	2,91,35,50,006.65			9,59,849.00
Grant-in-Aid (HEFA Interest)	27,35,71,706.00			17,218.00
Grant-in-Aid (For Institute Projects)	1,12,80,954.00			13,80,184.00
GiA Donation		16,29,742.00		2,72,425.00
Praveen Bansal	3,000.00			2,08,207.00
Municipal Corporation	2,806.00			1,83,413.00
Received fund for scholarship to Students	15,000.00			4,42,304.00
Other Receipt Institute				47,06,353.00
Admission Fees	11,21,823.00			
Registration Fee & Lab Test Charges	3,25,52,525.00	6,63,876.00		40,52,070.00
Guest House Rent	3,35,200.00	54,18,285.00		2,13,937.00
Recruitment Application Fees	12,89,504.00	72,400.00		2,12,26,551.00
Surety Bond Recovery	20,00,000.00	1,90,500.00		3,54,463.00
Tender Fees	1,47,386.00	2,00,000.00		
Misc. Income - RTI	440.00	38,000.00		68,24,61,026.00
EMD & Other Security Deposits	29,34,993.00	8,279.40		1,60,70,521.00
License Fee	3,49,082.00	7,50,000.00		4,17,882.00
Rental Income	2,40,744.90	3,34,679.75		7,979.60
				3,17,60,50,006.65
				52,50,00,000.00



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RECEIPTS		Current Year 31.03.2022	Previous Year 31.03.2021	PAYMENTS		Current Year 31.03.2022	Previous Year 31.03.2021
GAP Overhead Income		2,69,360.00		HEFA Interest		27,30,20,287.00	25,20,46,622.00
Interest Received from Term Deposit - Canara Bank		57,52,148.00		TDS 192B, 194C, GST-TDS and others		5,94,91,719.00	
Interest Received from Term Deposit - Sbi bank		50,11,265.45		Expenditure on Fixed Assets			
Interest Received from Saving Bank		22,742.00		HOSPITAL EQUIPMENT		3,59,68,692.00	1,00,07,924.00
Reversal of Bank charges		346.53		FURNITURE, FIXTURES,		97,466.00	10,70,336.00
water charges received from Staff		66,773.00		Office Equipment		6,10,128.00	1,34,035.00
TDS 192B, 194C, GST-TDS and others		5,94,61,796.00		Computer Peripherial		94,41,053.00	8,24,763.00
				External Project Payments			
				GAP		23,94,012.00	2,72,692.00
				GIA Donation expenditure		15,52,143.00	
				Previous Year deficit			1,65,62,217.00
				GIA SAP Expenditure		79,21,000.00	
				Advances			
				Suppliers (BSNL, Ultra tech)		3,03,805.00	1,21,689.00
				PPCB		56,40,000.00	
				Closing Balance Institute			
				SBI Bank -94104 CLTD		3,50,00,000.00	
				SBI Bank -94104		3,21,640.00	
				Cash in Hand		7,930.00	1,265.00
				SBI Bank -61873		4,53,962.00	
				SBI Bank -61873 CLTD		96,00,000.00	
				Receivable from PGI-Hefa Interest			1,76,278.00
				SBI Bank -94375		1,121.00	
				Canara Bank Grant Receivable			
				Canara Bank Escrow A/c		64,04,551.00	26,26,00,984.00
				Imprest to staff		4,31,200.00	13,81,884.72
				GAP Imprest		90,000.00	
				Dr Akhilesh-Imprest			15,000.00
				SBI Gem Pool A/c		2,50,59,001.00	2,41,15,263.00
				SBI Main 74890 A/c		37,89,20,208.40	9,83,23,928.56
				SBI Main 74890 A/c		14,18,846.00	9,83,23,928.56
				Savings Accounts - 77772		91,619.00	16,29,742.00
TOTAL		4,87,69,47,668.81	1,46,11,99,735.44			4,87,69,47,668.81	1,46,11,99,735.44

Place: Bathinda
Date: 28.06.22

(Leena Kumari)
(Leena Kumari)
Accounts Officer




(Kumar Abhay, IAAS)
(Kumar Abhay, IAAS)
Financial Advisor

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



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INCOME & EXPENDITURE FOR THE FY. 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
INCOME AND EXPENDITURE ACCOUNT FOR THE YEAR ENDED 31-03-2022				
Particulars	Schedule	(Amount in Rs.)		
		Current Year	Previous Year	
INCOME				
Income from Sales/Services				
Grant/Subsidies	12	32,552,525.00	5,418,285.00	
Fees/Subscriptions	13	995,366,973.28	429,954,739.63	
Income from Investments (Income on Invest. From earmarked/endow. Funds transferred to Funds)	14	2,680,687.00	854,376.00	
Income from Royalty, Publications	15	-	-	
Interest Earned	16	-	-	
Other Income	17	8,167,829.74	147,146.71	
Increases/Decrease of Finished Goods & WIP	18	3,072,852.90	645,379.75	
	19	-	-	
TOTAL (A)		1,041,840,867.92	437,019,927.09	
EXPENDITURE				
Establishment Expenses				
Other Administrative Expenses	20	730,589,110.00	325,495,792.00	
Expenditure on Grants, Subsidies etc.	21	161,317,895.92	56,530,098.53	
Interest	22	-	-	
Depreciation (Net total at the year end corresponding to Sch.-8)	23	149,933,862.00	54,994,036.56	
TOTAL (B)		1,041,840,867.92	437,019,927.09	
Balance being excess of income over Expenditure	(A-B)	-	-	
Transfer to Special Reserve (Specify each)		0.00	0.00	
Transfer to/ from General Reserve		-	-	
BALANCE BEING SURPLUS / (DEFICIT)				
CARRIED TO CORPUS/CAPITAL FUND				
Significant Accounting Policies	25			
Contingent Liabilities & Notes on Accounts	26			
Place : BATHINDA				
Date : 28-06-22				
 (Leena Kumari) Accounts Officer	 (Kumar Abhay, IAAS) Financial Advisor	 (Prof. Dr. D.K. Singh) Executive Director		



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SCHEDULE FORMING PART OF BALANCE SHEET FOR THE FY. 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022		
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE-1A CORPUS FUND -				
Balance as at the beginning of the Year	-0.00			
Add Contribution towards Corpus/Capital fund			-1,65,41,508.31	
Add HEFA Assets depreciation			1,25,28,142.31	
Add AIIMS Asset depreciation			40,11,901.00	
Add/(Deduct): Balance of net income/(expenditure) transferred		-0.00	1,465.00	-0.00
SCHEDULE-1B CAPITAL ASSETS FUND				
Balance as at the beginning of the Year	1,15,28,819.00			
Add Contribution towards Capital Assets fund	5,55,22,579.00		1,22,75,950.00	
Add Contribution towards previous year capitalisation			29,294.00	
Less: Dep. transferred from the Income and Expenditure Account	-89,78,426.00	5,80,72,972.00	-7,76,425.00	1,15,28,819.00
SCHEDULE-1C CAPITAL ASSETS W.I.P. FUND -				
Balance as at the beginning of the Year	3,27,14,92,863.59			
Add Capital Exp through CCA			62,12,98,172.00	
Add HEFA Repayment by MOHFW	3,17,60,50,006.65		10,01,600.00	
Add Payment to HITES by MOHFW	42,53,69,727.00		52,50,00,000.00	
Add HEFA Interest payment by MOHFW	27,30,20,287.00		2,23,91,27,320.00	
Less Assets Capitalised during the year	-1,00,93,82,137.22	6,13,65,50,747.02	25,20,46,622.00	3,27,14,92,863.59
SCHEDULE-1D CAPITAL ASSETS HITES				
Balance as at the beginning of the Year	30,87,49,872.85			
Add: Contribution towards Capital Assets fund	1,00,93,82,137.22		37,94,43,202.11	
Less: Dep. transferred for previous years	-12,92,35,690.00		5,82,30,977.56	
Less: Dep. transferred from the Income and Expenditure Account	-14,09,55,436.00			
Less: Deletion during the year		1,04,79,40,884.07	1,24,62,351.70	30,87,49,872.85
Balance		7,24,25,64,603.09		3,59,17,71,555.44



PARTICULARS		Current Year		Previous Year	
		(Rs.)	(Rs.)	(Rs.)	(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



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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.)
SCHEDULE - 3 EARMARKED/ENDOWMENT/CORPUS FUND					
I. Grant-in-Aid For Salary					
a) Opening balance of the funds		-14,09,60,800.00		95,34,992.00	
b) Additions to the Funds:		(89,00,00,000.00)		17,50,00,000.00	
Less: Establishment Expenses during the year (Sch. 20)		-73,05,89,110.00	1,84,50,090.00	32,54,95,792.00	-14,09,60,800.00
II. Grant-in-Aid For General		6,93,60,896.62		13,00,00,000.00	
a) Opening balance of the funds		(0,00,00,000.00)		1,25,28,142.31	
b) Additions to the Funds:		4,64,73,894.64		10,01,600.00	
c) Internal Receipt: (12,14,17,18)				4,91,12,561.07	6,93,60,896.62
d) Previous deficit G/A Gen					
e) Reversal of Last Year Exp as advance					
Less: General Exp during the year		-15,71,55,239.92	5,86,79,551.34		
III. Grant-in-Aid For Capital Creation		6,75,34,356.00		1,00,00,000.00	
a) Opening balance of the funds		15,00,00,000.00		7,00,00,000.00	
b) Additions to the Funds:				28,294.00	
Less: Capital expenditure during previous year (Sch. 8)		-4,60,76,579.00	17,14,57,777.00	1,24,36,350.00	6,75,34,356.00
IV. Grant-in-Aid For SAP		88,08,450.00		1,00,00,000.00	
a) Opening balance of the funds		2,00,00,000.00		8,41,200.00	
b) Additions to the Funds:		-79,21,000.00	2,08,85,450.00	3,52,350.00	88,08,450.00
Less: Expenditure during the year - Capital					
V. Grant-in-Aid For HEFA Loan (Principal)		2,91,35,50,006.65		52,50,00,000.00	
a) Opening balance of the funds		-2,91,35,50,006.65		52,50,00,000.00	
b) Additions to the Funds:					
Less: Expenditure during the year					
VI. Grant-in-Aid For HEFA Loan (Interest)		27,35,71,706.00		25,20,46,622.00	
a) Opening balance of the funds		66,57,523.00		25,20,46,622.00	
b) Additions to the Funds:		-27,30,20,287.00	72,08,942.00		
c) Interest earned					
Less: Expenditure during the year					
VII. Grant-in-Aid For ECRP (General)		1,45,00,000.00		-	
a) Opening balance of the funds		-41,62,656.00	1,03,37,344.00		
b) Additions to the Funds:					
Less: Expenditure during the year					
VIII. Grant-in-Aid For ECRP (Salary)		44,00,000.00		44,00,000.00	
a) Opening balance of the funds					
b) Additions to the Funds:					
Less: Expenditure during the year					
IX. Grant-in-Aid For Institute Projects		33,57,788.00		36,30,480.00	
a) Opening balance of the funds		1,13,98,506.00		2,72,692.00	
b) Additions to the Funds:		-27,58,575.00	1,19,97,719.00		
Less: Expenditure during the year					
X. Grant-in-Aid From Donations		16,29,742.00		16,29,742.00	
a) Opening balance of the funds		-15,52,143.00	77,599.00		
b) Additions to the Funds:					
Less: Expenditure During the year					
Total (I to X)		30,34,94,472.34		97,28,432.62	



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022					
PARTICULARS	Current Year		Previous Year		(Amount in Rs.)
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
SCHEDULE - 4 (Secured Loans and Borrowings)					
1) Central Government		-			-
2) State Government (Specify)		-			-
3) Financial Institutions					
a) Term Loan (HEFA Loan)				3,17,60,50,006.65	
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					3,17,60,50,006.65
SCHEDULE-5 (Unsecured Loans and Borrowings)					
1) Central Government		-			-
2) State Government (Specify)		-			-
3) Financial Institutions					-
4) Banks					
a) Term Loan					
b) Other Loans (specify)					
5) Other Institutions and Agencies					
PGIMER CHANDIGARH					
6) Debentures and Bonds					
7) Fixed Deposits					
8) Others (Specify)					
Total					

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
(Amount in Rs.)				
SCHEDULE - 6 (Deferred Credit Liabilities)				
a) Acceptance secured by hypothecation of capital equipment and other assets				
b) Others				
Total				
Schedule - 7 (Current Liabilities and Provisions)				
A. Current Liabilities				
1. Acceptances				
2. Sundry Creditors:				
a) Supplier	2,90,000.00			
b) Others (EMD/Security)	36,84,993.00	39,74,993.00	7,50,000.00	7,57,979.60
c) MIS receipt			7,979.60	
3. Advances Received (Hefa Repayment)				
4. Interest accrued but not due on:				
a) Secured Loans/borrowings			26,25,00,000.00	26,25,00,000.00
b) Unsecured Loans/borrowings			6,31,66,006.00	6,31,66,006.00
5. Statutory Liabilities:				
a) Overdue				
b) Others, TDS 92B,94C & GST-TDS	2,27,949.00	2,27,949.00	2,57,872.00	2,57,872.00
6. Other current liabilities				
a) NSDL Payable	1,36,94,786.00			
b) Current Liability	5,12,169.60			
c) Expenditure over advance - HITES	4,64,11,556.47	6,06,18,512.07		
Total (A)	6,48,21,454.07	6,48,21,454.07		32,55,81,857.60
B. Provisions				
1. For Taxation				
2. Gratuity	1,11,97,226.00			
3. Superannuation/Pension				
4. Accumulated Leave Encashment	2,81,17,879.00			
5. Trade Warranties/Claim				
6. Salary & other expenditure Payable	11,48,24,184.00	15,41,39,289.00	11,77,78,144.00	11,77,78,144.00
Total (B)	15,41,39,289.00	15,41,39,289.00	11,77,78,144.00	11,77,78,144.00
Total (A+B)	21,89,60,743.07	21,89,60,743.07		44,44,60,001.60



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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022												
Description	Gross Block				Depreciation				Net Block		(Amount in Rs.)	
	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 Deduction during the year	Total up to the year end		As at the current year end
		>6 MONTH	<6 MONTH									
A. Fixed Assets (GIA)												
1.Land (Freehold)	1.00				1.00						1.00	1.00
2.Buildings												
3.Hospital Equipments	10,70,336.00	39,37,158.00	3,20,31,534.00		3,70,39,028.00	15.00	80,275.00	31,41,448.00		32,21,723.00	3,38,17,305.00	9,90,061.00
4.Furniture & fixtures	1,02,51,977.00	71,456.00			1,03,23,433.00	10.00	5,15,382.00	9,60,805.00		14,96,187.00	88,27,246.00	97,36,595.00
5.Vehicles		94,46,000.00			94,46,000.00	15.00		14,16,900.00		14,16,900.00	80,29,100.00	
6.Office Equipment	1,34,035.00	1,18,778.00	4,91,350.00		7,44,163.00	15.00	10,989.00	73,125.00		84,114.00	6,60,049.00	1,23,046.00
7.Computer Peripheral	8,48,896.00	60,46,201.00	33,80,102.00		1,02,75,199.00	40.00	1,69,779.00	33,06,148.00		35,35,927.00	67,39,272.00	6,79,117.00
TOTAL OF CURRENT YEAR	1,23,05,245.00	1,96,19,593.00	3,59,02,966.00		6,78,27,824.00	80.00	7,76,425.00	89,78,426.00		97,54,851.00	5,60,72,973.00	1,15,28,820.00
B. Fixed Assets (HITES)												
Building (HITES)*												
Computer Peripheral	42,62,881.00	89,12,80,622.00			89,12,80,622.00	10.00		20,54,40,183.00		20,54,40,183.00	68,58,40,439.00	20,24,868.88
Hospital Equipments (Life Saving) 19-20	42,77,393.70				42,62,881.00	40.00	22,38,012.13	7,97,159.00		30,35,171.13	12,27,709.88	20,31,762.49
Hospital Equipments (Life Saving)	1,01,52,442.00				42,77,393.70	40.00	22,45,031.21	7,99,873.00		30,45,504.21	12,31,899.49	77,50,992.00
Hospital Equipments General	34,82,88,133.71	68,67,000.00	5,15,97,048.50		1,68,19,442.00	40.00	24,01,540.00	57,67,161.00		81,68,701.00	86,50,741.00	29,09,42,339.49
TOTAL OF CURRENT YEAR	36,69,80,850.41	95,77,85,088.72	5,15,97,048.50		45,97,22,648.93	15.00	5,13,45,794.23	5,73,86,750.00		10,87,32,544.23	35,09,90,104.71	30,87,49,872.85
CAPITAL WORK-IN PROGRESS	5,08,43,00,532.35	2,10,79,41,446.54			1,37,63,62,987.63		5,82,30,977.56	27,01,91,126.00		12,29,81,920.56	1,04,79,40,864.07	5,08,43,00,532.35
Total	5,46,35,86,627.76	3,08,53,46,128.26	8,75,00,034.50		7,62,70,50,653.30		5,90,07,402.56	27,91,69,552.00		13,27,36,771.56	7,28,88,73,698.74	5,40,45,79,225.20



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022		
PARTICULARS	Current Year (Rs.)	(Amount in 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	-	-



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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022				
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			25,07,247.23	
b) Loose Tools				
c) Stock-in-trade				
Finished Goods				
Work-in-progress				
Raw Materials	78,17,601.54	78,17,601.54		25,07,247.23
2. Sundry Debtors:				
a) Sundry Debtors/Receivable	1,78,278.00	1,78,278.00		
b) Grant Receivable from PGIMER-Capital			1,78,278.00	1,78,278.00
c) Interest Receivable from PGIMER(HEFA)-Interest			1,265.00	1,265.00
3. Cash balances in hand (including cheques/drafts)	7,930.00	7,930.00		
4. Bank Balances:				
a) With Scheduled Banks:				
-On Current Accounts				
Canara Bank Grant Receivable A/c				
SBI Current A/c	14,18,846.00		9,83,23,928.56	
Canara Bank Escrow A/c	64,04,551.00		26,26,00,984.00	
SBI Gem Pool A/c	2,50,59,001.00		2,41,15,263.00	
-On Deposit Accounts (includes margin money)				
SBI Current A/c	37,89,20,208.40			
SBI HR - 94104	3,50,00,000.00			
SBI GAP - 61873	96,00,000.00			
-On Savings Accounts				
SBI GAP-94375	1,121.00			
SBI HR-94104	3,21,640.00			
SBI-AIIMS BATHINDA 61873	4,53,962.00		16,29,742.00	38,66,69,917.56
SBI-7772	91,619.00			
5. Cash In Hand		45,72,70,948.40		
Total (A)		46,52,74,757.94		38,93,56,707.79



AIIMS BATHINDA ANNUAL REPORT 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA				
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022				
PARTICULARS	Current Year		Previous Year	
	(Rs.)	(Rs.)	(Rs.)	(Rs.)
(Amount in Rs.)				
SCHEDULE - 11				
(CURRENT ASSETS, LOANS, ADVANCES ETC.)				
B. Loans Advances and Other Assets				
1. Loan				
a) Imprest to staff	4,31,200.00		13,81,884.72	
b) Other Entities engaged in activities/ objectives similar to that of the Entity			15,000.00	
c) Other projects	90,000.00	5,21,200.00		13,96,884.72
2. Advance and other amounts recoverable in cash or in kind or for value to be received				
a) On Capital Account - HITES Limited Const			69,58,11,867.65	
b) HEFA Interest to be capitalised			73,05,96,476.24	
a) On Capital Account - HITES Limited-Equip			1,21,689.00	
c) Others	59,43,805.00	59,43,805.00		1,42,65,30,032.89
3. Income Accrued:				
a) On Investments from Earmarked/Endowment Funds			-	
b) On Investments-CLTD Interest	32,00,528.00		1,35,840.71	
c) On Loans and Advances			-	
d) Others (includes income due unrealized-Rs.....)		32,00,528.00		1,35,840.71
4. TCS	1,02,461.82			
5. GAP TDS	1,17,552.00			
6. TDS on CLTD Interest	9,85,816.00			
Total (B)		1,08,71,362.82		1,42,80,74,064.32
Total (A+B)		47,61,46,120.76		1,81,74,30,772.11

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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2022		
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		
a) Registration Fees & Lab Test Charges	3,25,52,525.00	54,18,285.00
b) Professional/Consultancy Service		
c) Agency Commission and Brokerage		
d) Maintenance Services (Equipment/Property)		
e) Others (Specify)		
Total	3,25,52,525.00	54,18,285.00
SCHEDULE- 13		
(Grants/Subsidies)		
(Irrecoverable Grants & Subsidies Received)		
1. Central Government -		
a) Grant-in Aid (For Salary)	73,05,89,110.00	32,54,95,792.00
b) Grant-in Aid (For General)	11,06,81,345.28	4,91,12,561.07
c) Grant-in Aid (For Dep)	14,99,33,862.00	5,49,94,036.56
d) Grant-in Aid (For SAP)		3,52,350.00
e) Grant-in Aid (For ECRP Gen)		
2. State Government	41,62,656.00	
3. Government Agencies		
PGIMER Chandigarh		
4. Institutions/Welfare Bodie		
5. International Organisations		
6. Others (Specify)		
Total	99,53,66,973.28	42,99,54,739.63
SCHEDULE- 14		
(Fees/Subscriptions)		
1. Guest House Fees		
2. Admission Fees	11,21,823.00	6,63,876.00
3. Recruitment Application Fees	12,89,504.00	1,90,500.00
4. Consultancy Fees/ Project Overhead	2,69,360.00	-
5. Others (Specify)		
Total	26,80,687.00	8,54,376.00



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF BALANCE SHEET AS AT 31.03.2022					
PARTICULARS	Investment from Earmark Fund		Investment- Others		(Amount in Rs.)
	Current Year	Previous Year	Current Year	Previous Year	(Rs.)
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	(Rs.)
SCHEDULE- 15					
(Income From Investments)					
1. Interest	-				
a. On Govt. Securities	-		-		
b. On other Bonds / Debentures	-		-		
2. Dividends					
a. On Shares	-		-		
b. On mutual Funds Securities	-		-		
3. Rent					
4. Others Specify					
Total					-
SCHEDULE- 16					
(Income from royalty ,publication etc.)					
1. Income from Royalty	-		-		
2. Income from Publications	-		-		
3. Others (specify)	-		-		
Total					-



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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2022					
PARTICULARS	Current Year		Previous Year		(Amount in Rs.)
	(Rs.)	(Rs.)	(Rs.)	(Rs.)	
SCHEDULE- 17 (Interest Earned)					
1. On Term Deposit					
a) With Schedule Bank					
i) Interest Received	49,44,559.74				
ii) Interest Accrued	32,00,528.00		1,47,146.71		
b) With Non-Scheduled Banks					
c) With Institutions					
d) Others		81,45,087.74			1,47,146.71
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		81,67,829.74		1,47,146.71	
SCHEDULE- 18 (Other Income)					
a) Surety Bond Recovery	20,00,000.00				
b) Tender Fees	1,47,386.00		2,00,000.00		
c) Guest House Rent	3,35,200.00		38,000.00		
d) Licence Fee	3,49,082.00		72,400.00		
e) Miscellaneous Income	440.00		3,34,679.75		
f) Rental Income	2,40,744.90		300.00		
Total		30,72,852.90		6,45,379.75	
		30,72,852.90		6,45,379.75	



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ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA					
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2022					
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	67,01,16,924.00				25,01,10,148.00
b. Allowance & Bonus	2,07,39,199.00				7,53,85,644.00
f. Staff Welfare Expenses	3,97,32,987.00				-
g. Expenses on Employees Retirement and Terminal Benefits					-
h. Others (Specify)					-
		73,05,89,110.00			
Total		73,05,89,110.00			32,54,95,792.00

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AIIMS BATHINDA ANNUAL REPORT 2021-22

ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2022		
(Amount in Rs.)		
PARTICULARS	Current Year	Previous Year
SCHEDULE - Z1	(Rs.)	
A) Administrative Expenses etc.		
Sports Expenses	6,35,45,803.00	45,132.00
Electricity & Power Bill	7,08,300.00	2,64,10,919.00
Telephone & Internet exp	33,62,638.47	9,39,250.00
Printing & Stationery	2,33,89,179.98	3,28,037.40
Guest House Exp	-346.53	11,461.00
Chemical & Hospital consumables Exp	50,72,664.00	17,87,754.37
Bank Charges	9,59,849.00	345.16
Website/ Computer & Software maintenance	2,38,257.00	1,56,173.00
Consumables Store	28,456.00	2,51,822.00
Laundry & CSSD	1,39,301.00	18,254.00
Postage	12,52,475.00	7,500.00
Advertisements & Publicity exp	3,47,86,491.00	70,240.00
Travelling Expenditure	13,74,069.00	2,46,836.00
Outsource Manpower	2,78,425.00	1,87,00,014.60
Recruitment Expenses	1,98,381.00	17,218.00
Local Transport/Vehicle/Ambulance Expenses	2,13,909.00	6,51,989.00
Honorarium	4,42,304.00	61,050.00
Water Charge	2,23,601.00	2,67,759.00
Department Contingency	2,46,09,166.00	68,496.00
Biomedical waste expenses	3,54,845.00	12,44,223.00
Exp. Incurred by PGI	1,40,128.00	47,06,353.00
Travelling Allowance Conference		5,39,272.00
Expenses on Seminar/Workshops/Training		
Repair and Maintenance Engineering		
Hospitality Expenses		
Statutory Registration Expenses		
TOTAL	16,13,17,895.92	5,65,30,098.53

[Handwritten Signature]



ALL INDIA INSTITUTE OF MEDICAL SCIENCES, BATHINDA		
SCHEDULE FORMING PART OF INCOME & EXPENDITURE ACCOUNT AS AT 31.03.2022 (Amount in Rs.)		
PARTICULARS	Current Year	Previous Year
	(Rs.)	(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 was started w.e.f. 23rd December 2019.

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: 28.06.22

(Leena Kumari)

Accounts Officer

(Kumar Abhay, IAAS)

Financial Advisor

(Prof. Dr. D K Singh)

Executive Director



CONTINGENT LIABILITIES & NOTES OF 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 2021-22, Institute has received a total Grant-in-Aid of Rs. 117.89 Cr. from Ministry of Health and Family Welfare, PMSSY Division. Out of the total grant Rs.89.00 Cr. received under GIA-Salary, Rs.10.00 Cr. under GIA- General, Rs.15.00 Cr. under GIA-Capital and rest in other head. (Refer Schedule 3).

(In Cr.)

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

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 on CLTD's comes to Rs 32,00,528 as on 31.03.2022 (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

A provision for expenses payable to the tune of Rs.11,48,24,184.00 has been made as on 31.03.2022 (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)

Refer OM No. 1(13)/EV/2001 dated 13th Nov 2003, Institute is covered under New Pension Scheme (NPS). Accordingly, Institute is under the registration process of Pr. A.O./DDO no. for regular deposition of employer and employee contribution.

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 current financial year.

10. Retirement and Other employee`s Benefits

The provision for leave encashment and gratuity has been accounted for till 31.03.2022.

11. Capital Fund (Donation etc)

During the financial year 2021-22, 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 AllMS Bathinda Project funded by MoHFW & HEFA have been considered for capitalization only as per records made available.

Buildings were handed over in 2019 and the provision till 31.03.2021 has been made 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 56,40,000/- has been given as advance to Punjab pollution control Board for the period of 5 years starts from 01.04.2022 to 31.03.2027.

16. Schedule 1 to 25 are annexed to and form an integral part of the Balance Sheet as at 31.03.2021 and the Income and Expenditure Account for the year ended on that date.

17. Financial Statement and schedules has been compiled as per Uniform Format of Accounts for Central Autonomous Bodies and other AllMS like Institutes and audit observations during the last FY 19-20 have been incorporated in this FY 20-21.

Place: Bathinda

Date: 28.06.22

**(Leena Kumari)
Accounts Officer**

**(Kumar Abhay, IAAS)
Financial Advisor**

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



AIIMS BATHINDA ANNUAL REPORT 2021-22

SEPARATE AUDIT REPORT FOR THE FY. 2021-22



सत्यमेव जयते

Speed best
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/2021-22/AIIMSBathinda/2022-23/ 1687

दि०/Dated: 6/10/2022

सेवा मे,

सचिव,
Ministry of Health & Family Welfare,
Govt. of India,
Nirman Bhawan,
New Delhi – 110001

विषय: All India Institute of Medical Sciences, Bathinda, Punjab के वर्ष 2021-22 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन

महोदय,

कृपया All India Institute of Medical Sciences, Bathinda, Punjab के वर्ष 2021-22 के लेखाओं पर पृथक लेखापरीक्षा प्रतिवेदन (Separate Audit Report) संसद के दोनों सदनों के समक्ष प्रस्तुत करने हेतु सलंग्न 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 जाएँ।

कृपया इस पत्र की पावती भेजें।

भवदीय,

संलग्न: उपरोक्त अनुसार

- हस्ता /-

महानिदेशक

उपरोक्त की प्रतिलिपी वर्ष 2021-22 की पृथक लेखापरीक्षा प्रतिवेदन की प्रति सहित आवश्यक कार्यवाही हेतु Executive Director, All India Institute of Medical Sciences, Bathinda, Punjab AIIMS, Dabwali Rd, Lal Singh Nagar, Bathinda, Punjab 151001 को प्रेषित की जाती है।

भवदीया,

प्रतिभा

निदेशक (केन्द्रीय व्यय)



AIIMS BATHINDA ANNUAL REPORT 2021-22

Separate Audit Report of the Comptroller & Auditor General of India on the Accounts of the All India Institute of Medical Sciences (AIIMS), Bathinda, Punjab for the year ended 31 March 2022

We have audited the Balance Sheet of All India Institute of Medical Sciences, Bathinda, Punjab as on 31st March 2022, Income and Expenditure Account and Receipts and Payments Account for the year ended on that date under Section 19 (2) of the Comptroller and Auditor General's (Duties, Power and Conditions of Service) Act, 1971 read with Section 18 (2) of the All India Institute of Medical Sciences (AIIMS) Act, 1956.

2. This Separate Audit Report contains the comments of the Comptroller & Auditor General of India (CAG) on the accounting treatment only with regard to classification, conformity with the best accounting practices, accounting standards and disclosure norms, etc. Audit observations on financial transactions with regard to compliance with the Law, Rules & Regulations (Propriety and Regularity) and efficiency-cum-performance aspects, etc., if any, are reported through Inspection Reports/ CAG's Audit Reports separately.

3. We have conducted our audit in accordance with auditing standards generally accepted in India. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free from material misstatements. An audit includes examining, on a test basis, evidences supporting the amounts and disclosure in the financial statements. An audit also includes assessing the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of financial statements. We believe that our audit provides a reasonable basis for our opinion.

4. Based on our audit, we report that:

- i) We have obtained all the information and explanations, which to the best of our knowledge and belief were necessary for the purpose of our audit;
- ii) The Balance Sheet and Income and Expenditure Account/Receipts and Payments Account dealt with by this Report have been drawn up in the Uniform format prescribed by the Ministry of Finance, Government of India;
- iii) In our opinion, proper books of accounts and other relevant records have been maintained by the All India Institute of Medical Sciences, Bathinda, Punjab 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

Earmarked/ Endowment/ Corpus Fund (Schedule 3): ₹ 3034.94 lakh

A.1.1 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 mandatorily 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”

Above did not include interest of ₹ 81.45¹ lakh earned on grant funds during 2021-22. This interest income was incorrectly depicted as Income as Interest earned (Schedule 17). Interest earned on grant funds should have been booked as liability under Current Liabilities & Provisions, instead of booking the same as Income. This has resulted in understatement of Earmarked/ Endowment/ Corpus Fund and overstatement of Interest Earned by ₹ 81.45 lakh.

Keeping in view the aforesaid GFR 230 (8), interest earned on grant funds of earlier years, which was not remitted to the Consolidated Fund of India, should also be worked out and provisions for remittances of the same should be made in the annual accounts.

A.1.2 As per HITES²'s Statement, an amount ₹ 3.11 crore was accrued as interest income on the advances released to it for various construction works and supply of equipments. However, the Institute has not booked this interest accrued in its books of accounts. Keeping in view the aforesaid GFR 230 (8), provision for remittance of the same should have been made in the annual accounts. Non-accounting of interest accrued on advances released from grants funds has resulted in understatement of Current Assets, Loans & Advances as well as Current Liabilities by ₹ 3.11 crore.

¹ As per Schedule 17- Interest received ₹ 49.45 lakh and Interest accrued ₹ 32.00 lakh.

² HLL Infra Tech Services Ltd. (subsidiary of HLL Lifecare Ltd., A Government of India Enterprise)



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A.2 Assets

A.2.1 Fixed Assets (Schedule 8): ₹ 728.89 lakh

(i) The Institute had shown value of Library Books as Nil. However, library books amounting to ₹56.23 lakh which were received in March 2022 were not included under Fixed Assets. This has resulted in understatement of Fixed Assets by ₹ 33.74 lakh (after depreciation at the rate of 40 percent per annum) and understatement of depreciation by ₹ 22.49 lakh and understatement of Current Liabilities by ₹ 56.23 lakh.

(ii) Capital Work in Progress: ₹ 618.29 crore

As per HITES's Expenditure Statement, advances for supplying Hospital Equipments of ₹ 39.20 crore were outstanding with it as on 31.03.2022. However, the Institute had shown outstanding capital advances as Nil. The Institute has directly booked the funds released by MOHFW to HITES as capital work in progress (CWIP), instead of booking the expenditure incurred as per the "Expenditure Statement" of HITES. This has resulted in understatement of Current Assets, Loans & Advances and overstatement of Capital Work in Progress by ₹ 39.20 crore

B. General

B.1 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 2022 is as under:

- i. Assets understated by ₹ 3.45 crore.
- ii. Liabilities understated by ₹ 4.48 crore.
- iii. Corpus/Capital Fund overstated by ₹ 1.03 crore. Besides, the Income is overstated by ₹ 1.03 crore

B.2 Works amounting to ₹ 420.07 crore were completed by the executing agency (HITES). Out of this amount of ₹ 420.07 crore, the Institute had transferred an amount of ₹ 89.13 crore only to buildings. It has been observed that various buildings for the balance amount of ₹ 330.94 crore, were though completed in the years 2020-21 and 2021-22, however were not taken over by the Institute. Reasons for not taking over of these buildings were, neither recorded nor intimated. These facts alongwith reasons for



AIIMS BATHINDA ANNUAL REPORT 2021-22

not taking over completed buildings despite completion should have been recorded and disclosed by way of Notes to Accounts.

B.3 Ministry of Education vide O.M. No. F. No. 19-1/2017-IFD dated 27 January 2022 communicated that Ministry of Finance has clarified that Autonomous bodies may adopt Payment of Gratuity Act, 1972 administered by the Ministry of Labour and Employment and the issue relating to implementation of Payment of Gratuity Act may be taken up with Ministry of Labour and Employment directly or through Ministry of Education. Further, Integrated Finance Division, Department of Higher Education, Ministry of Education, to ensure a uniform position across all ABs, has moved a proposal for seeking the approval of Ministry of Labour and Employment.

The Institute has made provisions of Gratuity in its annual accounts. The Institute should have taken up the matter with its controlling Ministry for clarification and accordingly the fact should have been disclosed in the Notes to Accounts.

B.4 The policy regarding accounting treatment of HEFA Loan and Assets acquired through it and policy regarding capitalisation of these assets was not disclosed.

C. Grant-in-Aid

C.1 The position of the grants of the Institute as on 31.03.2022 was as under:-

Amount in ₹crore									
Particulars	OH-'31' General	OH-'35' Capital	OH-'36' Salary	Repayment of HEFA Loan	Repayment of Interest on HEFA Loan	SAP	ECRP 'General'	ECRP 'Salary'	Total
Opening Balance as on 01.04.2021	8.19	6.75	0	26.25	0	0.88	0	0	42.07
Received during the year	10.00	15.00	89.00	291.35	27.36	2.00	1.45	0.44	436.60
Interest Income	-	-	-	-	0.67	-	-	-	0.67
Total available funds	18.19	21.75	89.00	317.60	28.03	2.88	1.45	0.44	479.34
Expenditure	15.72	4.60	69.13	317.60	27.30	0.79	0.42	0	435.56
Unspent as on 31.03.2022	2.47	17.15	19.87	0	0.73	2.09	1.03	0.44	43.78



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C.2 In the Schedule 3, the Institute had shown balance of 'Grant in Aid for General (OH-31) amounting to ₹5.87 crore, instead of ₹ 2.47 crore as worked out above in Sl.no. C.1. Reasons for difference of ₹ 3.40 crore were as under:-

- (i) The Institute had incorrectly included 'Internal Receipts' of ₹ 4.65 crore in the Grant Balance.
- (ii) Further, it was pointed out in the previous year Separate Audit Report (vide comment at Sl.no. C. (i)) that the Institute had adjusted previous deficit of ₹ 1.25 crore from Grant in Aid General.

However, formal approval/regularization from the Government/ Ministry was not received in the year 2021-22 also. In the absence of Government approval/regularization, the deficit of ₹ 1.25 crore should have been met from Internally Revenue Generation, instead of meeting the same from Grant funds.

Therefore, the actual balance in 'OH-31, Grant in Aid for General' was ₹ 2.47 crore (₹ 5.87 crore+ ₹ 1.25 crore – ₹ 4.65 crore).

C.3 In the Schedule 3, the Institute had shown balance of Grant in Aid for Salary, (OH-36) amounting to ₹1.84 crore, instead of ₹ 19.87 crore as worked out above in Sl.no. C.1. Reasons for difference of ₹ 18.03 crore were as under:-

- (i) It was pointed out in the previous year Separate Audit Report (vide comment at Sl.no. C. (ii)) that the Institute had negative balance of ₹ 14.10 crore under the head 'Grant in Aid Salary'.
However, formal approval/regularization from the Government/ Ministry was not received in the year 2021-22 also. In the absence of Government approval/ regularization, deficit (negative balance) of ₹ 14.10 crore should have been met from Internally Revenue Generation, instead of meeting the same from Grant funds.
- (ii) Retirement and Terminal Benefits amounting to ₹ 3.93 crore (₹ 1.12 crore + ₹ 2.81 crore, as per Schedule 7) should not have been deducted from Grant balances as these represents only notional expenditure.

Therefore, the actual balance in 'Grant in Aid for Salary' was ₹ 19.87 crore (₹ 1.84 crore+ ₹ 14.10 crore + ₹ 3.93 crore).



AIIMS BATHINDA ANNUAL REPORT 2021-22

As commented at Sl.no. C.1, C.2 and C.3 above, the Institute should correct grant balances in the Schedule 3, accordingly.

D. 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.

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, Punjab as at 31 March 2022; and
- b. In so far as it relates to Income & Expenditure Account, of the surplus/deficit for the year ended on that date.

For and on behalf of the C & AG of India

Director General of Audit (Central), Chandigarh

Place: Chandigarh

Date: 21/01/22



Annexure to Separate Audit Report

1. Adequacy of Internal Audit System

The Institute has not appointed any Internal Audit Officer. Hence internal audit was not conducted.

2. Adequacy on Internal Control System

Internal control system was found inadequate to the extent that:-

- (i) Accounting manual was not prepared;
- (ii) Physical verifications of Fixed Assets and Inventory for the year 2021-22, were not conducted.
- (iii) In voucher there are mostly three signatories so that internal check is ensured. However, many cases have been noticed where, the voucher is signed by only one person while the column “prepared by and authorized by” remains unsigned in vouchers. The Institute replied that there is only one sanctioned post of Accounts Officer in accounts department.

3. System of Physical verification of Fixed Assets

Physical verification of fixed assets was not conducted for the year 2021-22.

4. System of Physical verification of Inventory

Physical verification of Inventory was not conducted.

5. Regularity in Payment of Statutory dues

As per books of accounts, the Institute was regular in depositing statutory dues.


Director



AIIMS BATHINDA ANNUAL REPORT 2021-22

संजीव गोयल, आई.ए.ए.एस.
SANJEEV GOYAL, IAAS



महानिदेशक लेखापरीक्षा (केन्द्रीय), चण्डीगढ़
DIRECTOR GENERAL OF AUDIT
(CENTRAL), CHANDIGARH

No. डी.जी.ए. (सी)/क.व्यय/SAR/21-22/AIIMS Bathinda/22
Date: 06.10.2022 1625

Dear Sh. Dinesh Kumar Singh

The audit of annual accounts of your Institute for the year ended 31 March 2022 was conducted and audit comments in respect of the same have been reported through the Separate Audit Report. However, certain persistent irregularities which were included in the Separate Audit Reports (as briefed in the Part A of the annexure), but no corrective action has been taken, are being brought to your notice for urgent 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,

Prof. (Dr.) Dinesh Kumar Singh,
Executive Director,
All India Institute of Medical Science,
Bathinda (Punjab)



AIIMS BATHINDA ANNUAL REPORT 2021-22

Annexure to the management letter

PART A: Persistent Irregularities being included in the Separate Audit Reports

Compliance to the following observations included in the previous year Separate Audit Reports on the annual accounts; was not made. As compliance of these observations, was not made, following observations have been repeated in the current year Separate Audit Report for the year 2021-22 (kindly refer to Separate Audit Report):-

1. Non-correction of grant balances 'Grant in Aid for General (OH-31)
(*Comment no. C.2 of Separate Audit Report, 2021-22*);
(*Comment no. C (i) of Separate Audit Report, 2020-21*)
2. Non-correction of grant balances 'Grant in Aid for General (OH-36)
(*Comment no. C.3 of Separate Audit Report, 2021-22*);
(*Comment no. C (ii) of Separate Audit Report, 2020-21*)

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

Current Assets, Loans, Advances etc. (Schedule 11)

Sundry Debtors, receivables: ₹ 1.78 lakh

Above did not include rent receivable of ₹ 1.71 lakh from the vendors of Amul milk booths. This has resulted in understatement of Current Assets, Loans & Advances as well as Income by ₹ 1.71 lakh.

B.2 General

B.2.1 As per expenditure statement (Construction work) of HITES, an expenditure (Additions) of ₹104.22 crore was incurred during the year 2021-22. However, work wise details of expenditure of ₹104.22 crore were not furnished.



AIIMS BATHINDA ANNUAL REPORT 2021-22

B.2.2 As per the accounting practices, expenditure on account of prior period and extra ordinary items are required to be disclosed separately in the Income & Expenditure Account so that the effect thereof on the net expenditure for the year is known.

However, prior period expenditure amounting to ₹ 1.79 crore was neither shown separately in the financial statements, nor any disclosure regarding the same was given in the Notes to Accounts.


Director

