

## 2.3.2 Training Programs in skill labs

| Serial Number | Training Name  | Skill Lab                 | Skills learned   | Participants  | Date                     |
|---------------|--|---------------------------|--|---|--------------------------|
| 1             | CSI-NIC (National interventional council) meet   | Cath lab                  | Angiography and stenting   | Young cardiology faculty and DM students                      | 5 to 7 May 2019          |
| 2             | CPR workshop   | Simulation Lab            | CPR  | Graduate and Post Graduate and students                       | 10-09-2021               |
| 3             | Hospital Infection Control   | Hospital Surveillance Lab | Infection Control Techniques   | Post Graduate and Nursing students                            | 23-09-2019 to 25-09-2019 |
| 4             | Epidural analgesia: Technical issues   | Simulation Lab            | Epidural analgesia   | Post Graduate students  | 01-12-2018               |
| 5             | PPE training and sample collection technique   | Virology Lab              | PPE donning and doffing  | All HCWs of institute and other hospitals of UP               | During COVID-19 outbreak |
| 6             | Genetics: Laboratory to bedside  | Genetics lab              | Detection of genetic abnormality                                     | Post Graduate students  | 28-08-2021               |
| 7             | International Breast Reconstruction & Aesthetic Surgery Conference & workshop, Lucknow | Endocrine surgery OT      | Breast Reconstruction & Aesthetic Surgery                            | MCh students  | 17-11-2023 to 19-11-2023 |
| 8             | recent updates in Transplant Pathology   | Pathology Lab             | Transplant pathology   | Post Graduate students  | 12-12-2023               |
| 9             | New Molecular Diagnostic Targets for Women's Reproductive Health"                      | Molecular lab             | Molecular techniques for womens reproductive health                  | Post Graduate students and PDCC students of MRH               | 24-09-2022               |
| 10            | Molecular genetic technique  | Core research lab         | Molecular Genetic Technique" organized by Central Research Facility, | Post Graduate students and PDCC students of genetics studnets | 17th -19th November 2022 |

|           |   |                                      |                       |  |                          |
|-----------|---|--------------------------------------|-----------------------|--|--------------------------|
|           |   |                                      | SGPGIMS,<br>Lucknow   |  |                          |
| <b>11</b> | Neonatal nursing workshop   | Neonatal lab                         | Neonatal nursing      | Post Graduate students and PDCC students of neonatology students | 14/5/2023                |
| <b>12</b> | National Symposium on stem Cell & Cellular therapy in Human disease | Stem cell center                     | Stem cell therapy     | Post Graduate students and PhD students                          | 18/11/2022               |
| <b>13</b> | Fundamental critical care course                                    | Critical care lab and simulation lab | Critical care         | MBBS, Post Graduate student, Nursing student                     | 23/04/2024 to 24/04/2024 |
| <b>14</b> | Robotic thyroidectomy workshop                                      | Robotic OT                           | Robotic thyroidectomy | DM students and young faculty                                    | 22/07/2022 to 23/07/2022 |
| <b>15</b> | Midwives training   | Nursing lab                          | Natural birth         | Nursing students and midwives                                    | 17-3-2023 to 19-3-2023   |



**Lt Col Varun Bajpai VSM**  
 Executive Registrar  
 SGPGIMS, Lucknow



**Lt Col Varun Bajpai VSM**  
 Executive Registrar  
 SGPGIMS, Lucknow

## Reports on training

**1. Name of training :** CSI-NIC (National interventional council) meet

**Skill Lab :** Cath Lab

**Date of training:** 5<sup>th</sup> to 7<sup>th</sup> May 2019

**Number of participants: 36**

**Names:**

|                       |                        |                                 |                    |
|-----------------------|------------------------|---------------------------------|--------------------|
| Yetendra Parashar     | Ankit Thukral          | Prakash Chandra Pandey          | Somanath           |
| Faheema Hasan         | Ankush Singh Kotwal    | Sarvesh Kumar Chaudhary         | Abhay Kumar G      |
| Mayank Nilay          | Abhishek Krishna       | Sushant Aildasani               | Naveet Mishra      |
| Neha Agrawal          | Mallika Dhanda         | Varsha Ambawani                 | Nayab Danish       |
| Arpit Srivastava      | Vikram S               | Zubair Sarkar                   | Shitangsu Kakoti   |
| Dhanorkar Manoj Anant | Vishvak Chanthar K M M | Devarapalli Venkata Umesh Reddy | Ajeet Singh        |
| Indrajit G Momin      | Amanjot Singh          | Vignesh V                       | Rohit Kumar        |
| Lakshya Kumar         | Bhawan Nangarwal       | Vijay Kumar Singh               | Sachin Arora       |
| Majibullah Ansari     | Yashveer Singh         | Dongre Nikhil Arvind            | Nalini Kanta Ghosh |

### Report:

The following points were discussed. The target audience was mainly young cardiologists and DM/PDCC students .

#### i) Introduction

- Overview of Catheterization Laboratory (Cath Lab)
- Importance in cardiovascular medicine
- Scope and objectives of the training report



## ii) Infrastructure and Equipment

- Layout and design of the Cath Lab
- Types of equipment (angiography machines, catheters, stents, etc.)
- Safety measures and protocols

## iii) Procedures and Protocols

- Common procedures performed (angiography, angioplasty, stent placement, etc.)
- Pre-procedure preparation
- Intra-procedure techniques and practices
- Post-procedure care and monitoring

## iv) Training and Education

- Qualifications and roles of Cath Lab team members (cardiologists, nurses, technologists)
- Training programs for each role (on-the-job training, certifications)
- Continuing education and skill development

## v) Quality Assurance and Safety

- Standards and guidelines (e.g., American College of Cardiology guidelines)
- Infection control measures
- Incident reporting and corrective actions

## vi) Patient Care and Experience

- Patient journey through the Cath Lab
- Communication with patients and families
- Patient satisfaction surveys and feedback mechanisms

## vii) Challenges and Future Directions

- Challenges faced in Cath Lab operations
- Technological advancements and future trends
- Strategies for improvement and innovation



## 2. Name of training: CPR workshop

**Skill Lab :** Simulation lab

**Date of training:** 10-09-2021

**Number of participants:** 45

### Names:

|                    |                  |                           |                      |
|--------------------|------------------|---------------------------|----------------------|
| Ajeet Singh        | Akanksha Dubey   | Neelima                   | Rupali Gupta         |
| Amit Kumar Verma   | Mitra Kar        | Saima Haleem Siddiqui     | Shivang Jha          |
| Ash tosh Chaurasia | Ayush Mishra     | Parnav Dwivedi            | Surojit Ruidas       |
| Chandan Sardar     | Lokeshwaran M.K. | Ran Vijay Singh           | Joe Jose             |
| Divas Shreshth     | Vijay Singh      | Rana Vishwadeep Mall      | Nelesh Aggarwal      |
| Faisal             | Alka Singh       | Keshav Kumar Kori         | Shailendra Vikram    |
| Ganesh Singh       | Pratyush Kar     | M. Pranav Rohit Kashinath | Shalini Ranjan       |
| Janani G.          | Ravi Kumar       | Nishant Chaudhary         | Shruti Pandey        |
| Anurag Kumar       | Ayushi Omar      | Tanvi Arora               | Pawani Singh         |
| Ayush Mehrotra     | Dimpi Singh      | Muniba Alim               | Sangeeta Chakraborty |
|                    | Lata Tripathi    | Mohd. Chand Bagwan        | Soumitra Mishra      |

### Report:

**Objective:** The objective of this report is to summarize the CPR (Cardiopulmonary Resuscitation) training session conducted on [date] at [location]. The training aimed to equip participants with the knowledge and skills necessary to perform CPR effectively in emergency situations.

### Participants:



- Number of participants: 45
- Background: The newly joined MD /MS students of the institute.

## Training Session Overview:

- 1. Introduction to CPR:**
  - Definition and importance of CPR
  - Basic anatomy and physiology relevant to CPR
- 2. Demonstration and Practice:**
  - Instructor-led demonstration of CPR techniques
  - Hands-on practice using CPR manikins
- 3. Key Skills Covered:**
  - Assessing responsiveness
  - Checking for breathing
  - Performing chest compressions
  - Delivering rescue breaths (if trained in basic life support)
  - Using an AED (Automated External Defibrillator), if available
- 4. Guidelines and Protocols:**
  - Guidelines based on the latest CPR protocols (e.g., from American Heart Association)
  - Importance of calling emergency services promptly
- 5. Common Scenarios and Considerations:**
  - Practice scenarios involving adult and child CPR
  - Dealing with special circumstances (e.g., performing CPR on infants, pregnant women)
- 6. Q&A Session:**
  - Addressing participant questions and concerns
  - Clarifying doubts related to CPR techniques and procedures

## Evaluation:

- **Participant Feedback:** Overall, participants found the training session informative and practical. They appreciated the hands-on practice and felt more confident in their ability to perform CPR if needed.
- **Skills Assessment:** Participants demonstrated competence in the basic CPR techniques by the end of the session.

## Recommendations:



- Encourage regular refresher courses to maintain skills and knowledge.
- Provide access to updated CPR guidelines and resources for ongoing learning.
- Consider incorporating AED training into future sessions if not already included.

**Conclusion:** The CPR training session was successful in achieving its objectives of imparting essential life-saving skills to participants. It empowered them to respond effectively in emergency situations where CPR is required. Continued emphasis on training and preparedness will contribute to a safer community or workplace environment.

**3. Name of training:** Hospital Infection Control

**Skill Lab:** Microbiology Lab

**Date:** 23/09/2019 to 25/09/2019

**Number of participants:** 114

**Names:**

|                                    |                  |                   |                     |
|------------------------------------|------------------|-------------------|---------------------|
| Shruti Bansal                      | Manjari Dubey    | Pratibha Verma    | Suraj Kumar Singh   |
| Snehashish Mishra                  | Laraib Sheikh    | Fariya Khan       | Amit Kumar Tiwari   |
| Raval Devendra Kumar Surendra bhai | Nitin Trivedi    | Anugya Rajput     | Medha Srivastava    |
| Shalvi Verma                       | Sonal Agrawal    | Amisha Srivastava | Rajesh Kumar Maurya |
| Vaibhav Shriya                     | Akanshita Tewari | Aditi Dwivedi     | Ankita Pandey       |
| Anushi Verma                       | Himanshu Vats    | Priyanka Yadav    | Akansha Sinha       |
| Om Prakash Maurya                  | Aparimit Pandey  | Khaliqur Rahman   | Neha Shukla         |
| Awtansh Kumar Singh                | Pratyush Kar     | Harsh Tiwari      | Saurabh Vaish       |
| Rimmy Devi                         | Suresh           | Ritu Dewangan     | Syed Ammar Sajjad   |
| Ayush Sharma                       | Dhanalakshmi R   | Saman Athar       | Fareha Umam         |



|                      |                          |                     |                       |
|----------------------|--------------------------|---------------------|-----------------------|
| Swati Srivastava     | Prajjal Das              | Akshita Pandey      | Prankrishna Kakati    |
| Renu Yadav           | Bonchanpalli Mohan Kumar | Shivani Kaushal     | Rajal Bansal          |
| Km Vaishnavi Anand   | Kumar Kaustubh           | Sarthak Srivastava  | Aditi Chauhan         |
| Trisha Sachan        | Prakriti Maurya          | Poornima Verma      | Lt. Col Parijat Das   |
| Mantabya Kumar Singh | Tripti Singh             | Ghazala Sabereen    | Pratibha Singh        |
| Jyotika Srivastava   | Abhishek Raj Singh       | Jyoti               | Rahul Kumar           |
| Anamika Kumari Anuja | Jasmine Kaur             | Akansha Pandey      | Shyam Sundar Yadav    |
| Shuchi Rani          | Sonam Gautam             | Sandeep Kumar Gupta | Abhishek Kumar Singh  |
| Sachin Kumar         | Archana Tewari           | Urvashi Goyal       | Khushi                |
| Vishwas Kapoor       | Anubhav Srivastava       | Ambuj Shahi         | Lt. Col. Varun Bajpai |
| Shobhita Katiyar     | Sukhanshi Khandpur       | Kirti Saini         | Nidhi Singh Kushwaha  |
| Arunim Shah          | Nisha Kushwaha           | Pransu Srivastava   | Sachin Ranjan         |
| Kritika Singh        | Shashank Mathur          | Shubhi Kamthan      | Vaibhav Pandey        |
| Snigdha              | Anjali Singh             | Biswajit Sahoo      | Shivani Srivastava    |
| Zainab Habeeb        | Shivani Kumari           | Anjli Shrivastav    | Charan Sai Ramireddi  |
| Anshuman Singh       | Shreya Srivastava        | Gajendra Singh      | Shakti Kumar          |
| Akhilesh K Singh     | Shivika Guleria          | Pratima Gupta       | Pragati Saxena        |
| Deen Dayal Mishra    | Madhuri Singh            | Nida Fatima         | Tooba Qamar           |
| Arya Shambhavi       |                          | Vikas Patel         | Anjali Bhargav        |
|                      |                          |                     | Abhishek Yadav        |

## Report:



*Varun*  
Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow





**Introduction** : On 23/05/2019 to 25/05/2019, Department of Microbiology, SGPGIMS organized a comprehensive workshop on infection control within healthcare settings. The workshop aimed to enhance the knowledge and skills of healthcare professionals in preventing and managing infections, thereby ensuring patient safety and well-being.

**Objectives** The primary objectives of the workshop were:

1. To educate healthcare workers about the importance of infection control practices.
2. To update participants on the latest guidelines and protocols related to infection prevention.
3. To enhance skills in identifying, managing, and preventing hospital-acquired infections.



4. To foster a culture of teamwork and collaboration among healthcare staff towards infection control.

**Participants** The workshop was attended by 114 healthcare professionals including doctors, nurses, medical technicians, and administrative staff from various departments within the hospital. This diverse participation ensured a broad understanding and implementation of infection control measures across different hospital units.

**Sessions and Topics Covered** The workshop comprised several informative sessions:

1. **Introduction to Infection Control:** An overview of the principles and importance of infection control in healthcare settings.
2. **Hospital-Acquired Infections (HAIs):** Identification of common HAIs, their causes, and strategies for prevention.
3. **Hand Hygiene Practices:** Detailed training on proper hand hygiene techniques, including the use of alcohol-based sanitizers and handwashing protocols.
4. **Personal Protective Equipment (PPE):** Guidelines on the appropriate use and disposal of PPE to prevent cross-contamination.
5. **Environmental Cleaning and Disinfection:** Best practices for cleaning and disinfecting patient rooms, medical equipment, and common areas to minimize infection spread.
6. **Outbreak Management:** Strategies for managing and controlling infectious disease outbreaks within the hospital environment.
7. **Role of Healthcare Workers:** Discussion on the responsibilities of healthcare professionals in infection control, emphasizing vigilance and adherence to protocols.



**Interactive Workshops and Demonstrations** Participants engaged in hands-on workshops and practical demonstrations, including:

- Simulation exercises on proper PPE donning and doffing techniques.
- Practical demonstrations of effective handwashing procedures.
- Case studies and group discussions on real-life infection control scenarios.

**Outcome** The workshop was highly successful in achieving its objectives. Participants gained a deeper understanding of infection control principles and acquired practical skills that can be immediately applied in their daily practice. Feedback from attendees highlighted increased confidence in managing infection risks and a commitment to implementing standardized protocols across hospital departments.

**Conclusion** In conclusion, the Hospital Infection Control Workshop was instrumental in strengthening the hospital's infection prevention and control measures. By equipping healthcare professionals with updated knowledge and skills, the workshop contributes to enhancing patient safety and overall healthcare quality. Future workshops and continuous training are recommended to sustain and further improve infection control practices within the hospital.

**4. Name of training:** Epidural analgesia: Technical issues

**Skill Lab:** Simulation lab

**Date:** 01/12/2018

**Number of participants:** 18

|                  |                |                    |                     |
|------------------|----------------|--------------------|---------------------|
| Anjali Chaudhary | Meenakshi K    | Priyanka           | Utkarsh Vir Singh   |
| Ashi Chaudhary   | Neha Chaudhary | Rahul Kumar Mishra | Harsimran Manchanda |



|                   |                 |               |                  |
|-------------------|-----------------|---------------|------------------|
| C. Raksha Siva    | Pradyumna Kumar | Richa Sinha   | Shipra Singh     |
| Divya Tiwary      | Prashansa Attri | Twarita Singh | Urvashi Kharayat |
| Esha Kujur        |                 |               |                  |
| Lorcharla Kalyani |                 |               |                  |

## Report:

### 1. Introduction to Epidural Analgesia

- Definition and purpose of epidural analgesia.
- How it differs from other forms of pain relief.

### 2. Anatomy and Physiology

- Understanding the anatomy of the spine relevant to epidural placement.
- Physiology of pain transmission and how epidural analgesia interrupts this process.

### 3. Indications and Contraindications

- Conditions and situations where epidural analgesia is indicated.
- Contraindications and situations where it might not be suitable.

### 4. Procedure and Techniques

- Step-by-step procedure of epidural placement.
- Different techniques (e.g., loss of resistance, ultrasound-guided).
- Equipment used and their functions.

### 5. Complications and Management

- Common complications associated with epidural analgesia (e.g., hypotension, inadequate pain relief).
- Strategies for prevention and management of complications.

### 6. Patient Assessment and Informed Consent

- Pre-procedure assessment of patients.
- Informed consent process, risks, benefits, and alternatives.

### 7. Pharmacology

- Pharmacodynamics and pharmacokinetics of drugs used in epidural analgesia.
- Dosage calculations and adjustments.

### 8. Monitoring and Care

- Monitoring requirements during epidural analgesia.
- Nursing care of patients with epidural analgesia.



## 9. Hands-on Practice (Simulation)

- Practical session on mannequins or simulation models.
- Practice of epidural placement techniques under supervision.

## 10. Discussion and Case Studies

- Review of case studies related to epidural analgesia.
- Discussion on challenges and solutions.

## 11. Recent Advances and Research

- Current research and developments in epidural analgesia.
- Evidence-based practice and guidelines.

## 12. Q&A Session

- Opportunity for participants to ask questions and clarify doubts.

## Target Audience

- Obstetricians, anesthesiologists, midwives, nurses, and other healthcare professionals involved in labor and delivery.
- Pain management specialists and anesthesiology residents.

## Learning Objectives

- Understand the principles and techniques of epidural analgesia.
- Gain proficiency in the safe and effective administration of epidural anesthesia.
- Recognize and manage complications associated with epidural analgesia.
- Apply evidence-based practices and guidelines in clinical settings.

5. **Name of training:** PPE training and sample collection technique

**Skill Lab:** Virology lab

**Date:** Throughout COVID-19 pandemic

**Number of participants:** More than 1000

**Report:**





The following points were discussed

- **Types of PPE:** Identification and proper use of different types of PPE, including:
  - **Masks:** N95 respirators, surgical masks.
  - **Eye Protection:** Goggles or face shields.
  - **Gloves:** Single-use, disposable gloves.
  - **Gowns:** Disposable gowns or coveralls.
- **When to Use PPE:** Clear guidelines on when each type of PPE is necessary, depending on the level of exposure risk and type of interaction with patients or individuals suspected of having COVID-19.



- Putting **on (Donning) PPE**: Step-by-step instructions on how to correctly don PPE to minimize the risk of contamination.
- Taking **off (Doffing) PPE**: Detailed procedures for safely removing PPE to prevent self-contamination.
- Disposal **of PPE**: Proper disposal methods for each type of PPE to prevent the spread of infection.
- Maintenance **and Reuse**: Guidelines on whether and how certain types of PPE can be reused, including cleaning and storage protocols.
- Fit **Testing**: For N95 respirators, training may include fit testing to ensure a proper seal and protection.
- Risk **Assessment**: Training should cover how to conduct a risk assessment to determine the appropriate level of PPE required for specific tasks and environments.
- Communication **and Reporting**: Protocols for communicating with team members and reporting any issues related to PPE or potential exposures.
- Updates **and Ongoing Training**: Given the evolving nature of the COVID-19 pandemic, regular updates and refresher training sessions are essential to ensure healthcare workers are informed of the latest guidelines and best practices.

**6. Name of the training:** Genetics: Laboratory to bedside

**Skill Lab:** Genetics lab

**Date:** 28-08-2021

**Number of participants: 14**

**Names:**

|               |              |                |                |
|---------------|--------------|----------------|----------------|
| Pooja Motwani | Sangeeta Das | Shivam         | Varisha Rahman |
| Pragya Kafley | Tooba Qamar  | Vaibhav S      | Khushboo       |
| Amritha . S   | Nandhini G   | Vibhu V        | Sabba Mussadiq |
|               |              | Kumari Sunaina | Abhishek Dubey |



**Report:** The following points were discussed:

- Introduction to Genetic Abnormalities:
  - A foundational overview of what genetic abnormalities are and why their detection is important was provided
- Techniques for Detection:
  - Include sessions on different diagnostic methods (e.g., genetic testing, molecular techniques, bioinformatics).
- Case Studies:
  - Real-life examples or case studies where genetic abnormalities were detected and managed
- Ethical Considerations:
  - Ethical issues related to genetic testing and abnormalities were discussed.
- Future Directions:
  - Emerging technologies and research trends in the field.

**7. Name of training:** International Breast Reconstruction & Aesthetic Surgery workshop, Lucknow

**Skill Lab:** Endosurgery OT

**Date:** 17/11/2023 to 19/11/2023

**Number of participants:** 19

**Names:**

|                              |                                |                     |                |
|------------------------------|--------------------------------|---------------------|----------------|
| Siddharth Vikram Singh Som   | Pooja Tataskar                 | Anirudh Goyal       | Laveena Balani |
| Dibya Priyadarsini Behera    | Ravi Ranjan                    | Ankit Sahoo         | Palash Rawlani |
| Kumari Madhu                 | Shukla Abhishek Sankathaprasad | Jubel J. Kunnathoor | Payal Kaw      |
| Rinelle Fidora W Mascarenhas | Bhupesh Gogia                  | Katepogu Prashanth  | Sathvi Alladi  |





Spandana J

Abhishek Halder

Polavaradu Naveen  
Kumar



## Report:

## Workshop Objectives:

1. **Educational Focus:** Provide comprehensive knowledge on the latest techniques in breast reconstruction and aesthetic surgery.
2. **Skill Enhancement:** Improve participants' surgical skills through practical demonstrations and hands-on sessions.
3. **Patient Care:** Emphasize patient-centered care and ethical considerations in breast surgery.
4. **Networking:** Foster collaboration and networking among surgeons, oncologists, and healthcare professionals.

## Proposed Agenda:



- **Morning Session:**
  - Welcome and Introduction to Workshop
  - Keynote Address: Current Trends in Breast Reconstruction
  - Overview of Aesthetic Surgery Principles
- **Mid-Morning Session:**
  - Technical Advances in Breast Reconstruction
  - Panel Discussion: Challenges and Innovations in Nipple Reconstruction
- **Afternoon Session:**
  - Live Surgery Demonstration: Immediate Breast Reconstruction Techniques
  - Hands-on Workshop: Flap Dissection and Suturing Techniques

## Key Features:

- **Interactive Learning:** Hands-on workshops and live surgery demonstrations.
- **Expert Faculty:** Renowned speakers and surgeons sharing their insights.
- **Networking Opportunities:** Panel discussions and case studies encourage participant interaction.

8. **Name of training:** Recent updates in Transplant Pathology

**Skill Lab:** Pathology Lab

**Date:** 12/12/2023

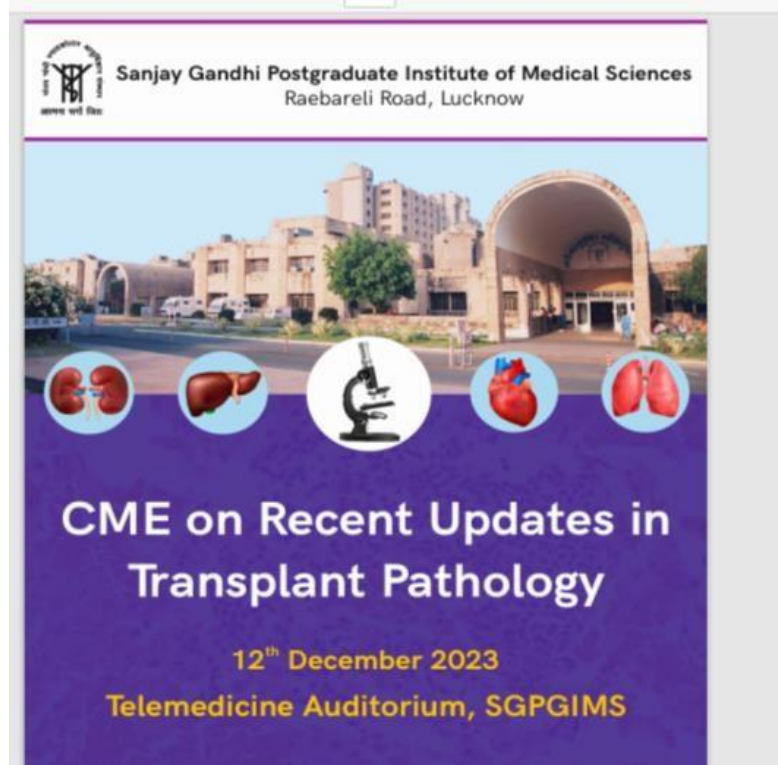
**Number of participants:**

**Names:** 16

|                     |                   |
|---------------------|-------------------|
| Ajeet Kumar Ojha    | Khushboo          |
| Ayushi Chak         | Rahul Kumar Singh |
| Doolesmita Hazarika | Ajay Joseph       |
| Rupali Vaish        | Aparupa Sen Gupta |
| Devesh Malik        | Niharika Yadav    |
| Mayank Kumar        | Syed Mohd. Faisal |
| Rishabh Kumar       | Yamini Chawla     |
| Katne Dinesh        |                   |



## Report:



The workshop on "Recent Updates in Transplant Pathology" was held on 12/12/2023 at Pathology Lab. The event aimed to explore and discuss advancements in the field of transplant pathology, focusing on emerging trends, challenges, and diagnostic techniques.

## Key Highlights:

### 1. Advancements in Immunohistochemistry and Molecular Diagnostics:

- Speakers highlighted the role of immunohistochemistry (IHC) and molecular diagnostic tools in improving accuracy and precision in transplant pathology.
- Discussion on how these techniques aid in detecting rejection, infection, and monitoring graft function.

### 2. New Insights into Rejection Mechanisms:



*Varun Bajpai*  
Lt Col Varun Bajpai VSM  
Executive Registrar  
SGPGIMS, Lucknow

- In-depth sessions on the latest research uncovering novel mechanisms of rejection, including cellular and molecular pathways.
  - Case studies illustrating diagnostic challenges and innovative approaches to overcome them.
- 3. Impact of Precision Medicine:**
- Emphasis on the integration of precision medicine approaches in transplant pathology.
  - How personalized treatment strategies based on genetic and immunological profiles can enhance patient outcomes.
- 4. Infectious Complications:**
- Comprehensive review of infectious complications post-transplant and their diagnostic implications.
  - Strategies for early detection and management to improve graft survival.
- 5. Quality Assurance and Standardization:**
- Workshops and panel discussions on quality assurance practices and standardization in transplant pathology.
  - Importance of protocols and guidelines in ensuring consistency and reliability of diagnostic procedures.

## Panel Discussions and Workshops:

- **Interactive Case Discussions:** Participants engaged in interactive case discussions, analyzing complex scenarios related to transplant pathology.
- **Hands-on Workshops:** Practical sessions on specimen handling, interpretation of histopathological findings, and use of advanced diagnostic tools.

**Conclusion:** The workshop provided a platform for pathologists, researchers, and clinicians to exchange knowledge and insights into the evolving landscape of transplant pathology. Participants gained valuable perspectives on recent updates, diagnostic challenges, and innovative solutions in the field. Moving forward, the integration of advanced diagnostic technologies and personalized medicine approaches promises to further enhance the management and outcomes of transplant patients.

- 9. Name of training:** New Molecular Diagnostic Targets for Women's Reproductive Health  
**Skill Lab:** Molecular Lab



**Date:** 24/09/2022

**Number of participants:** 48

**Names:**

|                                     |                     |                     |                     |
|-------------------------------------|---------------------|---------------------|---------------------|
| Gaurav Mishra                       | Alok Kumar Yadav    | Jyoti               | Neha Shukla         |
| Shrey Singh                         | Neha                | Suraj Kumar Singh   | Saurabh Vaish       |
| Humaira Farooq                      |                     | Amit Kumar Tiwari   | Syed Ammar Sajjad   |
| Manesh Kumar Yadav                  | Aishwarya Upadhyaya | Medha Srivastava    | Akansha Pandey      |
| Priyanka Kumari                     | Apoorva Kirti       | Rajesh Kumar Maurya | Sandeep Kumar Gupta |
| Pooja Uprati                        |                     | Ankita Pandey       | Urvashi Goyal       |
| Janviswarnkar                       | Sarthak Srivastava  | Akansha Sinha       | Ruchi Pandey        |
| Kumari Neha                         | Poornima Verma      | Ananya Raj          | Saima               |
| Gupta Ashwani<br>Kumar Rajesh Kumar | Ghazala Sabereen    | Harish Kumar        | Samreen Zehra       |
| Sanchit Kumar                       |                     |                     | Varisha Rahman      |
| Abhishek Patel                      |                     |                     |                     |

**Report:**

The following points were discussed;

- **Genetic Screening:** Discussing the latest advancements in genetic testing for conditions like hereditary cancers (e.g., BRCA mutations), genetic disorders affecting reproductive health, and prenatal genetic screening.
- **Biomarker Development:** Exploring new biomarkers that can aid in the early detection of reproductive health issues such as endometriosis, polycystic ovary syndrome (PCOS), and various infections.



- **Precision Medicine Approaches:** How personalized medicine is transforming the treatment of conditions like breast cancer, ovarian cancer, and infertility through molecular profiling and targeted therapies.
- **Infectious Disease Diagnostics:** Updates on molecular techniques for diagnosing sexually transmitted infections (STIs) and other infections affecting reproductive health.
- **Technological Innovations:** Reviewing cutting-edge technologies such as CRISPR/Cas9 for gene editing, next-generation sequencing (NGS) for comprehensive genetic analysis, and digital PCR for highly sensitive detection.
- **Clinical Applications:** Case studies and practical applications of molecular diagnostics in clinical settings, highlighting successes, challenges, and future directions.
- **Ethical and Regulatory Considerations:** Addressing ethical dilemmas and regulatory frameworks related to the implementation of new molecular diagnostic targets in women's health.

**10. Name of training:** Molecular genetic technique

**Skill Lab:** Core Lab

**Date:** 17/11/2022 to 19/11/2022

**Number of participants:** 71

**Names:**

|                       |                    |                      |                |
|-----------------------|--------------------|----------------------|----------------|
| Saurabh Tripathi      | Kusum Chauhan      | Snehal               | Abhishek Kumar |
| Pallavi. Kr. Upadhyay | Abhishek Mishra    | Priyanka Shukla      | Krishna Kumar  |
| Ravi Kumar            | Frahan Hasan Khan  | Gantavya             | Sandhya        |
| Shiwalika Thakur      | AkashatAgrahari    | Umesh Chandra Mishra | Mahenoor       |
| Yashwant Singh        | Vaibhav Srivastava | Sakchham Asthana     | Kritika Shukla |
| Garima Mishra         | Nausheen           | Sanjana Mishra       | Abhinav Kumar  |
| Vinod Kumar Verma     | Navya Rai          | Taha Aziz            | Abhishek Singh |
| Nilotpal Shukla       | Smita Singh        | Ankur Sharma         | UnnatiVerma    |
| Shrishti Mall         | Navneet Kumar      | Meenakshi Rawat      | Kumari Anshul  |



|                    |                     |                   |                  |
|--------------------|---------------------|-------------------|------------------|
| Ashwani Kumar      | Prakul Saxena       | Tanmay Srivastava | Kundan Kumar     |
| Pankaj Kumar       | Ravindra Kumar      | Saumya Patel      | AnimeshGiri      |
| Yashi Soni         | Himanshi Yadav      | Avantika          | Zainab Arshad    |
| Shiv Vishal Tiwari | Abhishek Kumar      | Jubair Ali        | Abhishek Mishra  |
| Saloni Tyagi       | Piyush Pandey       | Deepanshu Pal     | Susheel Kumar    |
| Ajay Kumar Verma   | Deependra Batham    | Kriti Tiwari      | Hemant Gupta     |
| Priya Sinha        | Kirti Vardhan Singh | Rishabh Shukla    | Ananya Chitransh |
| Akash Gupta        | Priya               |                   |                  |
|                    | Ayush Maurya        |                   |                  |
|                    | Sneha Singh         |                   |                  |

## Report:

### 1. Introduction to Molecular Genetics

- Overview of molecular genetics and its applications.
- Importance in various fields such as medicine, agriculture, and research.

### 2. Basic Techniques

- PCR (Polymerase Chain Reaction): Principle and applications.
- Gel Electrophoresis: Basics and its role in genetic analysis.

### 3. Advanced Techniques

- DNA Sequencing: Methods and applications in genetic research.
- Gene Editing (e.g., CRISPR/Cas9): Principles and current applications.

### 4. Hands-on Session

- Practical demonstration of PCR setup.
- Gel electrophoresis: Running and interpreting results.

### 5. Case Studies and Applications

- Examples of how molecular genetic techniques have been used in real-world scenarios.
- Discussion on ethical considerations and implications.



## 6. Q&A Session

- Open floor for participants to ask questions and discuss specific topics of interest.

## 11. Name of training: Neonatal nursing workshop

**Skill Lab :** Neonatal Lab

**Date:** 14/05/2023

**Number of participants:**

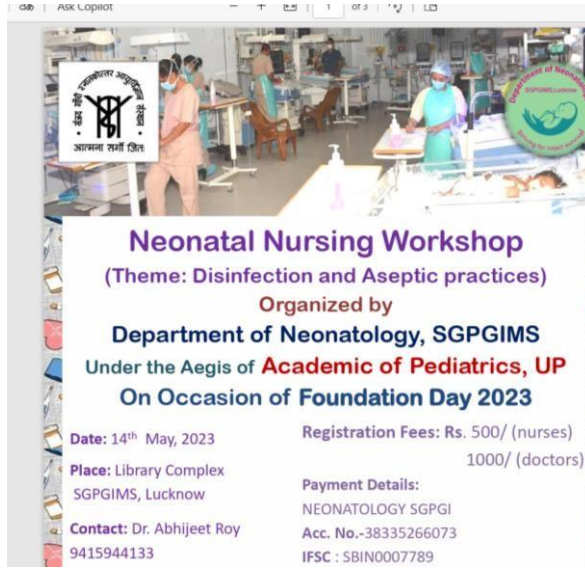
**Names:** 33

|                         |                        |                         |                  |
|-------------------------|------------------------|-------------------------|------------------|
| Akash Bharti            | Md Bilal               | Shefali                 | Sumit Kumar      |
| Akansha Chaudhary       | Md Azaad               | Shivam Kumar            | Surbhi Singh     |
| Anjali Chhetry          | Musafir Ali            | Shreya Tripathi         | Sury Kant Deepak |
| Ankit Kumar Pal         | Nidhi Sonkar           | Shristi Verma           | Vijay Sonkar     |
| Ankit Pal               | Patel Sudha<br>Pradeep | Smita Verma             | Ishita Verma     |
| Dindayal Kumar          | Pooja Verma            | Sparsh Shukla           | Jyoti            |
| Hardik Katiyar          | Pragati Anand          | Himang Shekhar<br>Singh | Khadim Hussain   |
| Hemant Singh<br>Fartyal | Rajesh Verma           | Satyam Patel            | Laxmi Pal        |
|                         |                        |                         | Manas Patel      |





## Report:



## Overview

The workshop on neonatal nursing aimed to enhance the knowledge and skills of participants in caring for newborns, particularly those requiring intensive care. It provided a platform for exchanging best practices, discussing emerging trends, and addressing challenges in neonatal healthcare.

## Key Sessions and Highlights

### 1. Introduction to Neonatal Care

- Overview of neonatal nursing principles and importance of specialized care in the first days of life.
- Discussion on common neonatal conditions and their management strategies.

### 2. Advanced Nursing Techniques

- Hands-on sessions on techniques such as neonatal resuscitation, umbilical catheterization, and medication administration.
- Simulation exercises to practice critical decision-making in emergency situations.



### 3. Interdisciplinary Collaboration

- Panel discussions involving neonatologists, nurses, and other healthcare professionals.
- Emphasis on teamwork and communication in the neonatal intensive care unit (NICU) environment.

### 4. Ethical and Emotional Aspects

- Addressing ethical dilemmas in neonatal care, including end-of-life decisions and family-centered care.
- Strategies for providing emotional support to families during critical phases.

### 5. Innovations in Neonatal Healthcare

- Presentations on new technologies and research in neonatology.
- Case studies illustrating successful implementation of innovative practices in NICUs.

## Outcomes and Conclusion

The workshop fostered a collaborative learning environment where participants could deepen their understanding of neonatal nursing. It equipped them with practical skills and theoretical knowledge essential for delivering high-quality care to newborns. The networking opportunities and interactive sessions were particularly beneficial, enabling exchange of ideas and experiences among professionals from diverse backgrounds.

Moving forward, it is recommended to continue organizing such workshops to keep healthcare providers updated with advancements in neonatal care. Feedback from participants highlighted the workshop's relevance and effectiveness in enhancing their clinical practice and patient outcomes.

Overall, the workshop on neonatal nursing was a resounding success, contributing significantly to the professional development of attendees and reinforcing their commitment to excellence in neonatal healthcare.

**12. Name of training:** National Symposium on stem Cell & Cellulartherapy in Human disease

**Skill Lab:** Stem cell center

**Date:** 18/11/2022

**Number of participants:**

**Name:** 210

|                |                   |              |               |
|----------------|-------------------|--------------|---------------|
| Yashwant Singh | Shivani Chaursiya | Nikhil Kumar | Abhinav Kumar |
|----------------|-------------------|--------------|---------------|



|                    |                      |                     |                      |
|--------------------|----------------------|---------------------|----------------------|
| Garima Mishra      | Yogendra Kumar Verma | Pankaj Iodhi        | Abhishek Singh       |
| Vinod Kumar Verma  | Omkar Chauhan        | Shashank kashyap    | UnnatiVerma          |
| Nilotpall Shukla   | Mamta Chauhan        | Alok Kumar          | Kumari Anshul        |
| Shrishti Mall      | Sanjeev Kumar Verma  | Ashlesha Mandal     | Kundan Kumar         |
| Ashwani Kumar      | Sonika Yadav         | Pragya              | AnimeshGiri          |
| Pankaj Kumar       | Ashutosh Pandey      | Shaziya mukeem      | Zainab Arshad        |
| Yashi Soni         | Rajnish chaudhary    | Yogita              | Aditya Kumar Chauhan |
| Shiv Vishal Tiwari | Akhilesh Sharma      | Mandeep Prajapati   | Akanksha Kumari      |
| Saloni Tyagi       | Alok Kumar           | Abhay kumar         | SheelpriyaGautam     |
| Ajay Kumar Verma   | Anshika Srivastava   | Ibad Husain Qureshi | HimanshiModanwal     |
| Priya Sinha        | Akansha Pandey       | Riya patel          | Shah Alam            |
| Jubair Ali         | Km Dhwni             | Akansha Santosh     | Gouri Prasad         |
| Deepanshu Pal      | Yamini Yadav         | Anju Gupta          | Riju Pandey          |
| Kriti Tiwari       | Gaurav Mishra        | Anushka Maurya      | Ashi Verma           |
| Rishabh Shukla     | Shrey Singh          | Anshika             | Sachin Singh         |
| Abhishek Mishra    | Humaira Farooq       | Ekta Singh          | Sunil Kumar Bind     |
| Susheel Kumar      | Manesh Kumar Yadav   | Mahima Sonkar       | Ashutosh Singh       |
| Hemant Gupta       | Priyanka Kumari      | Nadir               | Manvendra Tripathi   |
| Ananya Chitransh   | Pooja Uprati         | Srishti Soni        | Shivam Sahi          |
| Akash Gupta        | Janviswarnkar        | Yashi Srivastava    | Arvind Kumar Chauhan |
| Prakul Saxena      | Kumari Neha          | Mahak Umarvaishya   | Abhishek Vishwakarma |



|                         |  |                       |                      |
|-------------------------|--|-----------------------|----------------------|
| Ravindra Kumar          | Gupta Ashwani<br>Kumar Rajesh<br>Kumar | Manmohan              | Astha                |
| Himanshi Yadav          | Ananya Raj                             | Aditri Srivastava     | Sarthak Srivastava   |
| Abhishek Kumar          | Harish Kumar                           | Anushka Rathore       | Yogya Kumar          |
| Piyush Pandey           | Aditya Kumar                           | Janhavi Rawat         | Arpit Singh Patel    |
| Deependra Batham        | Harsh kumar<br>Modanwal                | Priya Singh           | Rohit Kumar          |
| Kirti Vardhan Singh     | Karan shukla                           | Sakshi Tripathi       | DivyanshVerma        |
| Priya                   | Khushi Tripathi                        | Sarfraz Nawaz         | Frahan Hasan<br>Khan |
| Ayush Maurya            | Laxmi Patel                            | Shipra<br>Madheshiya  | AkashatAgrahari      |
| Sneha Singh             | Mansi kumari                           | Satya Ranjan<br>Panda | Vaibhav Srivastava   |
| Snehal                  | Mohammad<br>Daniyal                    | Atima                 | Nausheen             |
| Priyanka Shukla         | Nikhil                                 | VaishnaviJaiswal      | Navya Rai            |
| Gantavya                | Ritik Singh<br>Chauhan                 | Anamika Singh         | Smita Singh          |
| Umesh Chandra<br>Mishra | Shalini                                | Sahab Lal<br>Chauhan  | Navneet Kumar        |
| Sakchham Asthana        | Sourabh sisodia                        | Shreya Jaiswal        | Abhishek Kumar       |
| Sanjana Mishra          | Vansh Verma                            | Harshita Gupta        | Krishna Kumar        |
| Taha Aziz               | Vikash Kumar<br>Gupta                  | Mayank Raj            | Sandhya              |
| Ankur Sharma            | Ritu kumari                            | Rohit Kumar           | Mahenoor             |
| Meenakshi Rawat         | Akash Yadav                            | Sohail Ali            | Kritika Shukla       |
| Tanmay Srivastava       | Umanand Gupta                          | Shobhit Pandey        | Mandeep Patel        |
| Saumya Patel            | Amita Tilak                            | Anuj Kumar            | Pradyumam Yadav      |



|                      |                        |                       |                   |
|----------------------|------------------------|-----------------------|-------------------|
| Avantika             | Anshima                | Avinash Chadra Pandey | Samiksha Shivhare |
| Kusum Chauhan        | Atharva Verma          | Ankit Singh           | Samriddhi Pal     |
| Abhishek Mishra      | Divyanshi Pandey       | Shivanshu             | Aditya Dubey      |
| Shikha Rajak         | Prince Raj             | Manish Kumar          | Drishti           |
| Abhishek Kumar Yadav | Farheen Fatma          | Aditya                | Affan Ali         |
| Dheeraj Singh        | Farida Khatoon         | Sailesh Kumar         | Ankesh Kumar      |
| Shivam Singh         | Prachi Yadav           | Farheen Nisha         | ShradhaKumari     |
| Yashika Bhargav      | Pinki                  | Saumya Jaiswal        | Arpit Singh       |
| Aakanksha Prasad     | Sanjeevni Sharma       | Alkama Khatoon        | Abhilasha Kumari  |
| Abhishek Kumar Gupta | Aafren Fatima          | Anuj Pathak           | Ayush Shukla      |
| Achla Pandey         | Mamta Yadav            | Km. Jyoti vishwakarma | Deepika Singh     |
| Sweta Chourasia      | Priyanshu Joseph Singh | Vishal Tiwari         | Khushi Kasaudhan  |
| Tanu Panwar          |                        | Harsh Verma           |                   |

## Report:

**SCCT-2022**  
SGPGIMS Lucknow

**National Symposium on Stem Cell and Cellular Therapy in Human Diseases**  
18<sup>th</sup> November 2022

**Chief-Patron**  
Hon'ble Director, SGPGIMS, Lucknow

**Organizing Committee**  
Prof. Rajesh Kashyap (Organizing Chairman)  
Dr. Vinod Verma (Organizing Secretary)  
Dr. JalaJ Gupta (Organizing Secretary)  
Dr. Kulwant Singh (Organizing Secretary)  
Dr. C. P. Chaturvedi (Organizing Secretary)

**Scientific Members**  
Prof. Rajesh Kashyap  
Dr. Vinod Verma

**Scientific sessions**  
Cell & Gene Therapy  
Stem Cells & Regenerative medicine  
Poster Session

**Speakers**  
Prof. Colin Jamora (InStem, Bangaluru)  
Prof. Shaji R Velayudhan (CMC, Vellore)  
Dr. J. Giridhara Rao (IIT, Kanpur)  
Dr. Pawan K. Gupta (Stempeutics, Bangaluru)  
Prof. Hasmukh Jain (ACTREC, Mumbai)  
Dr. Anil Kamat (Immuneel Therapeutic, Bangaluru)  
Dr. Shashwati Basak (Intas Pharma, Bangaluru)  
Dr. Amitava Sengupta (CSIR-IICB, Kolkata)

**Plenary Lecture (virtual mode)**  
Prof. Daniela Krause (GSH, Frankfurt)

## Introduction to Stem Cells

- Definition of stem cells
- Types of stem cells (embryonic, adult, induced pluripotent stem cells)
- Properties and characteristics

## • Applications of Stem Cells in Human Disease

- Regenerative medicine
- Treatment of degenerative diseases (e.g., Parkinson's, Alzheimer's)
- Cardiovascular diseases
- Orthopedic conditions
- Diabetes and other metabolic disorders

## • Cellular Therapies

- Definition and types of cellular therapies
- Adoptive cell transfer therapies (e.g., CAR-T cell therapy)
- Mesenchymal stem cell therapies
- Challenges and opportunities in cellular therapy development

## • Current Research and Clinical Trials

- Breakthroughs in stem cell research
- Clinical trials exploring stem cell therapies
- Ethical considerations and regulatory challenges

## • Case Studies and Success Stories

- Examples of successful applications in treating specific diseases
- Patient outcomes and long-term effects



- Lessons learned from clinical experiences

## • Future Directions and Innovations

- Emerging trends in stem cell and cellular therapies
- Potential for personalized medicine
- Integration of stem cell technologies with other treatment modalities

**13. Name of training:** Fundamental critical care course

**Skill Lab:** Critical Care Lab and Simulation Lab

**Date:** 23/04/2022 to 24/04/2022

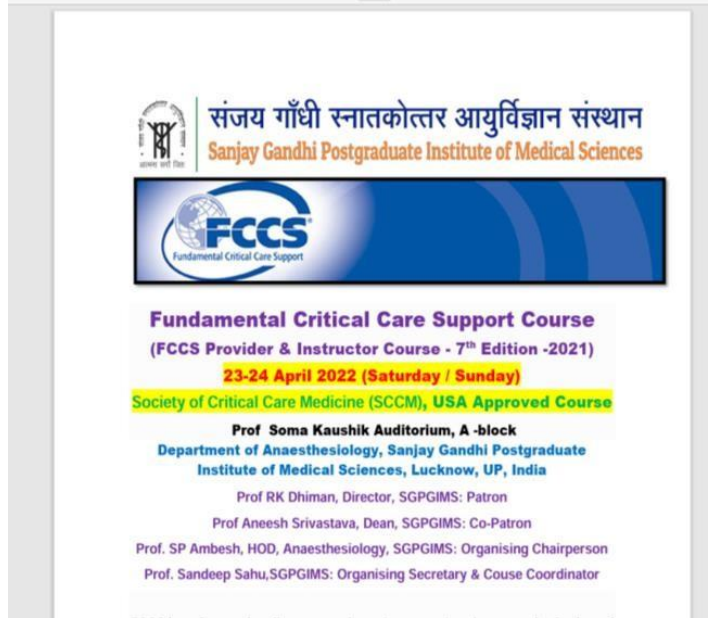
**Number of participants:** 48

### Names:

|                   |                           |                   |                     |
|-------------------|---------------------------|-------------------|---------------------|
| Manish Sharma     | Sakshi Dubey              | Taniya Manhas     | Suraj Patel         |
| Mohit Rawat       | Sakshi Mishra             | Priya Chaudhry    | Suraj prakash singh |
| Neha Kushwaha     | Sandhya singh             | Roshan Srivastava | Tanu dinkar         |
| Nikki Singh       | Saurabh                   | Chandan Shukla    | Vansh Deshwal       |
| Nisha Srivastava  | Saurabh Sankar Bhai Patel | Lalita Yadav      | Yash sahu           |
| Ojasvi Singh      | Shailesh kumar            | Aparna Shukla     | Mohammad Ubaid Bhat |
| Om Pandey         | Shalini Kanaujia          | Preeti Rai        | Palak gupta         |
| Paridhi Pandey    | Shubham Yadav             | Prince kharwar    | Syed fasil Hussain  |
| Piyush Sharma     | Shubhanjali kannaujia     | Ragini yadav      | Tanya               |
| Reeshiraj Rajbhar | Shyama gupta              | Rashmi Yadav      | Younis Shafi Taylee |
| Riya Kashyap      | Soloman Raj               | Raj kashyap       | Sunny yadav         |



## Report:



The Fundamental Critical Care workshop held on 23/04/2022 to 24/04/2022 aimed to provide healthcare professionals with essential knowledge and skills required in managing critically ill patients. The workshop was organized by [Organizing Body/Institution] and was attended by [number of participants].

## Key Objectives:

- 1. Understanding Critical Illness:** Participants gained insights into recognizing and assessing critical illness, including initial stabilization and assessment techniques.
- 2. Basic Life Support (BLS):** The workshop covered fundamental BLS techniques such as CPR (Cardiopulmonary Resuscitation), AED (Automated External Defibrillator) usage, and airway management.





3. **Advanced Cardiac Life Support (ACLS):** Participants learned ACLS protocols for managing cardiac arrest scenarios, including rhythm recognition, pharmacology, and team dynamics.
4. **Management of Respiratory Failure:** Focus was placed on identifying and managing respiratory failure, including oxygenation strategies, non-invasive ventilation, and indications for intubation.
5. **Hemodynamic Monitoring:** Basics of hemodynamic monitoring and interpretation of parameters were discussed, aiming to optimize fluid and vasopressor management in critically ill patients.

**Format:** The workshop combined didactic lectures with hands-on practical sessions. Expert faculty members facilitated interactive discussions and skill stations, ensuring participants could apply theoretical knowledge to clinical scenarios.

## Highlights:

- **Simulation Exercises:** Participants engaged in realistic simulations of critical care scenarios, enhancing decision-making and teamwork skills under pressure.
- **Case Studies:** Real-life case studies were presented, allowing participants to apply theoretical knowledge to complex patient scenarios.
- **Certification:** Participants received certificates of attendance, acknowledging their commitment to enhancing critical care competencies.

**Feedback:** Feedback from participants was overwhelmingly positive, highlighting the practical relevance and applicability of the content covered. Participants appreciated the interactive nature of the sessions and the opportunity to practice skills in a controlled environment.

**Conclusion:** The Fundamental Critical Care workshop was instrumental in equipping healthcare professionals with foundational skills crucial for managing critically ill patients. By combining theoretical knowledge with practical application, the workshop successfully prepared participants to deliver effective critical care interventions in their clinical practice.

**Future Directions:** Future workshops could explore more advanced topics in critical care, tailored to different levels of expertise among healthcare providers. Continued emphasis on simulation-based learning and interdisciplinary collaboration would further enhance participant skills and confidence in critical care settings.



Overall, the workshop served as a robust platform for continuous professional development in critical care medicine.

**14. Name of training:** Robotic thyroidectomy workshop

**Skill Lab:** Robotic OT

**Date:** 22/07/2022 to 23/07/2022

**Number of participants:** 26

**Name:**

|                        |                  |                      |                   |
|------------------------|------------------|----------------------|-------------------|
| Aakriti Yadav          | Rishav Kumar     | Rahul Goel           | Roopali Yadav     |
| Meenakshi Suhalka      | Rohit Singh      | Aina Aggarwal        | Srishti Dixit     |
| Mithlesh Wanchoo       | Sahan M.S.       | Akshat Agrawal       | Tarun Kumar Patel |
| Anantha Chaitanya J    | Siddoba N Misale | Devesh Gupta         | Pooja Prajapati   |
| Himesh Kumar Dubey     | Aniket Anand     | Dheerta Atul Kapadia | Prakhar Pratap    |
| Mrityunjay Kumar Gupta | Apoorva Saxena   | K.Sanjay             | Shubham Singh     |
|                        |                  | Kaustav Samanta      |                   |
|                        |                  | Mayank Gupta         |                   |

**Report:**

• **Introduction to Robotic Surgery:**

- Overview of robotic systems used in thyroid surgery.
- Advantages of robotic-assisted procedures over traditional methods.

• **Hands-on Training Sessions:**

- Guidance on operating the robotic console.
- Simulation exercises for familiarization with robotic instruments.

• **Surgical Techniques:**



- Step-by-step demonstrations of robotic thyroidectomy procedures.
- Discussion on different approaches (transaxillary, bilateral axillo-breast approach, etc.).

## • Case Studies and Presentations:

- Review of clinical cases where robotic surgery was applied.
- Outcomes comparison with traditional thyroidectomy methods.

## • Patient Selection and Safety:

- Criteria for selecting suitable candidates for robotic thyroidectomy.
- Emphasis on safety protocols and intraoperative monitoring.

**15. Name of training:** Midwives training

**Skill Lab:** Nursing Lab

**Date:** 17/03/2023 to 19/03/2023

**Number of participants:**

**Name:**

|                      |                         |                      |                |
|----------------------|-------------------------|----------------------|----------------|
| Ankit Kumar Pal      | Soniya                  | Harsha Rai           | Aditya Singh   |
| Ankit Pal            | Tanya Raj Verma         | Harshit Rai          | Afiya Bano     |
| Dindayal Kumar       | Ujjawal Kumar           | Jahanvi              | Akshay Katoch  |
| Hardik Katiyar       | Vikash Kumar Verma      | Kafeel Ahmad         | Akshita Tushir |
| Hemant Singh Fartyal | Vivek Kumar             | Kamlesh Kumar        | Aman Gupta     |
| Himang Shekhar Singh | Abhinandan Kumar Sharma | Komal                | Amrita         |
| Ishita Verma         | Abhishek Singh          | Madhu Bala Singh     | Anamika Singh  |
| Jyoti                | Ajay Kumar Verma        | Mahendra Kumar Yadav | Anisha Gupta   |
| Khadim Hussain       | Akanksha Saini          | Mohammad Asif Gojree | Ankit Gautam   |



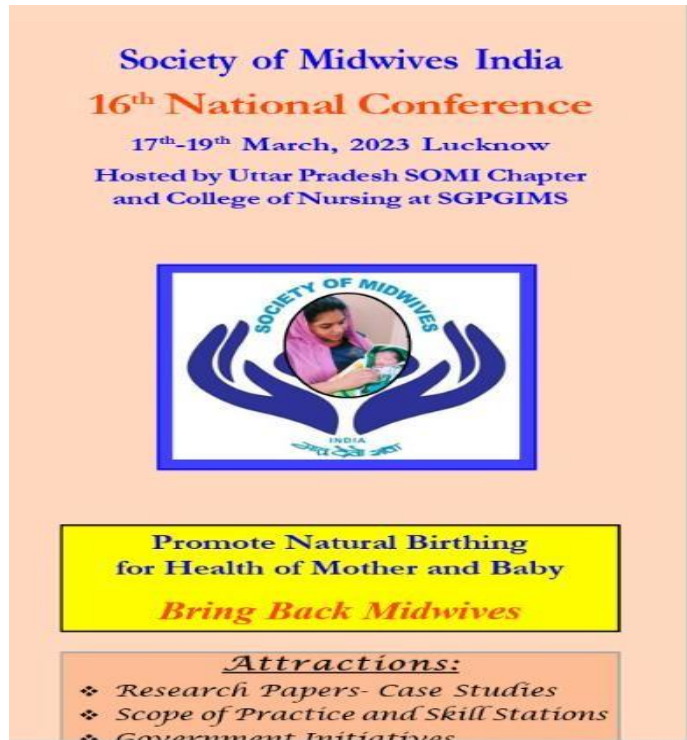
|                     |                   |                    |                    |
|---------------------|-------------------|--------------------|--------------------|
| Laxmi Pal           | Aman Kumar        | Mohini Choudhary   | Arunima Patel      |
| Manas Patel         | Amy Sonkar        | Muskan Verma       | Ashutosh Awasthi   |
| Md Bilal            | Annapurna Gupta   | Neeti Sharma       | Deepanshu Gautam   |
| Md Azaad            | Anshika Pal       | Noreen Kouser      | Dhruv Yadav        |
| Musafir Ali         | Aroon Kumar Anand | Palvi Sharma       | Divya Bali         |
| Nidhi Sonkar        | Aryan Dubey       | Pankaj Chaudhary   | Dolly Pandey       |
| Patel Sudha Pradeep | Atul Kumar        | Puneet Kumar       | Fatima Zehra       |
| Pooja Verma         | Shristi Verma     | Km. Priyanka Yadav | Yukta Yadav        |
| Pragati Anand       | Smita Verma       | Rachna             | Priyanka Chaudhary |
| Rajesh Verma        | Sparsh Shukla     | Ravi Prakash       | Aliya Nausheen     |
| Satyam Patel        | Sumit Kumar       | Sabir Ali          | Aamir Gani Ganie   |
| Shefali             | Surbhi Singh      | Sakshi Kushwaha    | Abhishek Gautam    |
| Shivam Kumar        | Sury Kant Deepak  | Sakshi Sagar       | Shweta Chauhan     |
| Shreya Tripathi     | Vijay Sonkar      | Shruti Tiwari      | Simran Yadav       |



*Varun Bajpai*

**Lt Col Varun Bajpai VSM**  
Executive Registrar  
SGPGIMS, Lucknow

## Report:



**Training Objectives** The primary objectives of midwives' training include:

1. **Clinical Skills:** Proficiency in conducting prenatal examinations, assisting in childbirth, and managing postpartum care.
2. **Emergency Response:** Ability to handle obstetric emergencies such as hemorrhage, eclampsia, and neonatal resuscitation.



3. **Health Education:** Educating women on prenatal care, nutrition, breastfeeding, and family planning.
4. **Cultural Sensitivity:** Understanding and respecting cultural beliefs and practices related to childbirth.
5. **Collaborative Care:** Working effectively with other healthcare professionals to ensure holistic care for mothers and infants.

**Training Curriculum** The training curriculum typically includes:

- **Anatomy and Physiology:** Understanding the reproductive system and fetal development.
- **Labor and Delivery:** Techniques for managing normal and complicated deliveries.
- **Complications Management:** Identification and immediate response to obstetric emergencies.
- **Postpartum Care:** Monitoring the health of mothers and infants after childbirth.
- **Communication Skills:** Effective communication with patients and healthcare teams.
- **Ethics and Legal Issues:** Understanding professional boundaries and legal responsibilities.

**Training Methods** Effective training methods include:

- **Didactic Sessions:** Classroom lectures on theory and practical knowledge.
- **Simulated Scenarios:** Mock drills to practice emergency response.
- **Clinical Rotations:** Hands-on experience in labor wards and maternity clinics.
- **Continuing Education:** Updates on new guidelines, technologies, and best practices.

**Challenges** Challenges in midwifery training include:

- **Resource Constraints:** Limited access to educational materials and clinical facilities.
- **Retention of Skills:** Ensuring that skills learned during training are maintained over time.
- **Cultural Barriers:** Addressing cultural beliefs that may impact healthcare practices.
- **Workload:** Balancing training with the demands of clinical practice.

**Conclusion** Midwives' training is critical for improving maternal and neonatal health outcomes. By focusing on comprehensive education, practical experience, and ongoing professional development, midwives can enhance their ability to provide quality care and contribute to reducing maternal and infant mortality rates globally.

**Recommendations** To strengthen midwifery training programs, recommendations include:



- Increased investment in educational resources and clinical facilities.
- Integration of technology for virtual learning and telemedicine.
- Collaboration between healthcare institutions and academic partners to ensure up-to-date training curricula.

