

# DEPARTMENT OF CARDIAC ANAESTHESIA AND CRITICAL CARE

## Introduction:

- Started with one Professor, one Associate Professor & three Assistant Professors.
- Present strength of faculty – TEN
- Started with Four operation Theatres, presently Nine operation theatres. Ninth operation theatre started in April 2025.
- Working Five Cath. Laboratories.
- First time in India, DM in Cardiac Anaesthesia started in 2002.
- Fellowship in Paediatric Cardiac Anaesthesia started in 2022
- At present 9 candidates are doing DM Cardiac Anaesthesia out of which 03 are sponsored candidates.

Total No. of Senior Residents are 15

## Focus areas of clinical care and research of the Department.

- Perioperative intensive care and anaesthesia for patients undergoing all kinds of Heart Surgery.
- Advanced monitoring in cardiac care.
- Blood conservation during cardiac surgery by autologous blood transfusion.
- Reducing blood requirement in children during cardiac surgery by utilizing modified ultra filtration technique.
- Extra corporeal membrane oxygenator for infants with heart failure (ECMO)
- Relaxation and meditation before and after cardiac bypass surgery.
- Cost effectiveness by regular auditing in cardiac anaesthesia.
- Anaesthesia for Robotic Cardiac Surgery.
- Anaesthesia for stem cell therapy in cerebral palsy patients.
- Major aortic and vascular Surgery.
- Cath lab therapeutic and investigative procedure.
- Heart transplant and assist device.

- Post operative care after Heart Surgery.

### **1. Record Keeping**

The department of Cardiac Anaesthesia maintains its records, duly catalogued indexed. The headings under which the records are categorized are as under:

- Routine Cases (daily/monthly/annually)
- Emergency Cases
- Catheterization Laboratory Cases.
- Cases in which anaesthesia given as monitored- Anaesthesia cases/tube readjustments/ventilatory calls from wards.

These records are registered daily in operation theatre on a medical record sheet and register and also computerized. Annual report of department records is submitted annually.

### **2. Department Functioning**

The normal functioning of the department is according to the rules and regulations laid down by CN Centre, AIIMS. Seven Theatres function everyday with 2 or 3 cases in each theatre daily. One Emergency heart surgery may be taken up anytime in the day/night. One consultant and one or two seniors residents round the clock emergency duty for postoperative care of cardiac patients as well as intensive and ventilatory/resuscitative management in coronary care unit. One consultant on round the clock call for emergency operations. Anaesthesia is given for a total of 14-20 heart operations everyday with postop and coronary ventilatory care. General anesthesia or monitored anaesthesia care is given in cath. Lab and computerized angiography and MRI in Cardiac patients. Two senior residents are on emergency call-attending calls from CCU, ICU, CTVS wards, Cath. Lab. and Operation Theatres. Bedside pre anaesthetic check up is done daily.

### **3. Academic Activity**

2 academic sessions held per week as part of the department's academic activity – where seminars/Tutorials/Journal Clubs/Examinations are held by faculty & residents. The department has access to the AIIMS Dr. B.B.Dixit Library and the National Medical Library at all times. Internet access is available via the computer facility in all consultant's rooms.

# Well Settled from AIIMS

## International

- SA – Dr. Sanjeet Narang (Harward Medical School), Dr. Anshuman, Dr. Uma Balsuramaniam, Dr. Nirvik Pal, Dr. Sonal Sharma
- United Kingdom – Dr. Anand Gore, Dr. Rakesh Tondon, Dr. Santosh Mehrothra, Dr. Wali, Dr. Praveen Kalia.
- Canada – Dr. Achal Dhir
- Middle East – Dr. SC Kale, , DR. BH Rao, Dr. Aparna Juneja, Dr. Madhur Malik, Dr. Vishal Sharma
- Australia – Dr. Virginia, Dr. Shashikant.
- Muscat, UAE - Dr. Swatantra Mishra
- UK: Dr. Sumit Vasdev, Dr. Dilip Saxena

## National

- Medanta – Dr. Yatin Mehta, Dr. Karlekar, Dr. Rajeev Juneja, Dr. Sameer Girotra, Dr. Ajmer Singh, Dr. Ashutosh Sharma, Dr. Rawat, Dr. Ritesh Arora, Dr. Pankaj Ingole, Dr. Neeraj Kumar, Dr. Praveen Saxena
- Max - Dr. . Rajesh Chand, Dr. Rakesh Pandey, Dr. Sanjay Kumar
- Fortis – Dr. M Sahoo, Dr. Vishal, Dr. Naresh Aggarwal, Dr. Vikram Aggarwal, Dr. Jitin Narula
- Batra Hospital – Dr. Anil Kumar
- Artemis – Dr.Amit Kumar, Dr. Ashu Jain
- Nizam Institute of Medical Science – Dr. R. Gopinath
- Udaipur Medical College – Dr. Ashish Sood

- LHMC- Dr. Usha Saha, Dr. Aruna Jain
- Raipur Medical College – Dr. Prathibha Jain
- SMS Jaipur – Dr. Rajni Mathur, Dr. Harish Khanna
- CTC AIIMS – Dr. Minati Choudhury, Dr. S.N.Das, Dr. Parag Gharde, Dr. Vishwas Malik., Dr. Manoj Sahu, Dr. Suruchi Hasija, Dr. Arindam Choudhary
- SGPGI Lucknow – Dr. Puneet Goyal, Dr. Amit Rastogi
- Jayadeva, Bangalore - Dr. Madhava Kakani
- PGIMER, Kolkata - Dr. Chaitali Sengupta
- PGIMER Chandigarh: Dr. Banashree Mandal, Dr. Kulbhushan Singh
- Fortis Mohali – Dr. Manoranjan Sahoo
- AIIMS Bhubaneshwar – Dr. Prasant Das, Dr. Devishree Das, Dr. Tarun Patra
- AIIMS Bhopal – Dr. Pooja Singh
- RML Hospital – Dr. Rohan Magoon, Dr. Tanya Mittal, Dr. Rashmi Singh, Dr. Ankita S
- IMA, BHU – Dr. Sanjeev Kumar
- Simla Medical College – Dr. Kamal Prakash, Dr. Yashvant Verma
- Safdarjung Medical College – Dr. Ira Dhawan, Dr. Arin Choudhary
- Gandhi Medical College, Hamidia – Dr. Brijesh Kumar
- AIIMS, Patna – Dr. Sandeep Sharan
- Aster, Pune – Dr. Bikash sahoo
- National heart Institute Delhi – Dr. Suruchi ladha, Dr. Vandana Bhardwaj
- Manipal, New Delhi – Dr. Arun Subramaniam, Dr. Naresh Agagrwal
- Sree Chitra Institute of Medical Sciences – Dr. Subin Sukeshan
- JIPMER, Pondicherry – Dr. Ajay Jha