

Cardiovascular Thoracic Surgery Department, KMC, Manipal

1. Why to choose M. Ch Cardiovascular Thoracic Surgery at KMC Manipal?

M. Ch (Master of Chirurgiae) is an advanced, 3year, postgraduate course in Cardiovascular Thoracic Surgery. This Department at Manipal was established in 1961 and was the first center in Karnataka to perform open heart surgeries.

The Department offers surgical training in all aspects of Cardiac, Thoracic and Vascular Surgeries and is recognized by the Medical Council of India. The surgeon undergoes a comprehensive training in elective and emergency components in Cardiac, Thoracic and Vascular surgical patients. We have state of the art and highly sophisticated equipment's mandatory for open heart surgery programme. Pediatric and Neonatal cardiac surgeries have started from 2017 and license for Heart transplant has been obtained in 2018.

Endoscopies such as rigid and fibro-optic bronchoscopy, trans esophageal echocardiogram and mediastinoscopy are routinely done.

The post graduate teaching activities include, lectures, seminars, journal clubs, case discussions, ward rounds and Cath meetings. Assistance in presentation at national conferences, publications and completion of thesis.

2. Core competencies pursued during postgraduate training at Manipal

- Sternotomy and closure, harvesting of long saphenous vein and internal mammary artery for CABG. proximal and certain distal anastomosis in CABG.
- Atrial septal defect closure, valve replacement
- Thoracotomy and closure, lung resections.
- Proximal and peripheral vascular bypass, embolectomy
- Bronchoscopies
- Intensive care management of postoperative patients.
- Management of complex equipment's such as IABP, ECMO and external pacemakers.

- Management of chest trauma and vascular injuries.
- Basics of video assisted thoracoscopic surgery
- Hemodialysis access surgeries
- Mediastinal tumor excision and pericardial window surgery
- Patient and relative counselling and informed consent procedure
- Research, statistics and good surgical ethical practice.

3. Career opportunities after Post graduation

- Faculty in Academic institutions with M. Ch course.
- Junior consultant in corporate hospital
- Can pursue and focus for further expertise in a particular area in Cardiovascular Thoracic surgery

Cardiac: Adult cardiac surgery

Heart failure and transplant

Pediatric cardiac surgery

Minimal invasive cardiac surgery

Thoracic: Video assisted thoracoscopic surgery

Lung transplant

Robotic surgery

Vascular:

Advance vascular surgery and Interventional vascular stenting.

Also Visit:

<https://manipal.edu/kmc-manipal/department-faculty/department-list/cardiovascular-thoracic-surgery.html>