

Cardiology Department, KMC, Manipal

1. Why to choose DM Cardiology at KMC Manipal?

Department of Cardiology, started way back in 1978, is one of the earliest super-speciality departments to be established in South India. The department has grown over the last four decades adapting to the fast-changing landscape in the field of cardiology and is currently equipped with two advanced cardiac catheterization labs, intravascular ultrasound, advanced echocardiographic labs with 3D and strain-imaging capabilities etc. One of our main strengths is the exposure to various skills in interventional and non-interventional cardiology based on 'do and learn' model under the supervision of highly qualified and experienced faculty. The department has a good inflow of patients from various parts of the state to provide ample opportunities for every candidate. The department has a structured teaching program with seminars, journal clubs and clinical bedside teaching conducted at least four times per week. Further, the department provides a great platform to carry out research projects under the guidance of proficient faculty. As a testament to the claims above, the DM (Cardiology) program at KMC, Manipal has consistently been the top pick among private institutions during counseling in the last few years.

2. Core competencies pursued during postgraduate training at Manipal

Interventional cardiology

- Coronary angiography
- Percutaneous coronary intervention including primary percutaneous coronary intervention, bifurcation PCI, chronic total

occlusions etc. Transradial approach for PCI.

- Intravascular imaging: Intravascular ultrasound and optical coherence tomography
- Rotational atherectomy (Rotablation)
- Device implantations: Permanent pacemakers, ICD and CRT
- Structural interventions for ASD, VSD, PDA, mitral stenosis etc
- Electrophysiologic studies and radiofrequency ablation (basics)
- Intra-aortic balloon pump insertion, pericardiocentesis and various bedside procedures

Non-interventional cardiology

- Echocardiographic imaging including 3D and strain-imaging
- Pediatric echocardiography including fetal echocardiography
- Stress testing: TMT, dobutamine stress echocardiography
- Ambulatory ECG monitoring
- Exposure to cardiac CT and MR

3. Career opportunities after Post graduation

- Faculty in academic institutes having cardiology programs
- Consultant in corporate hospitals
- Setting up his/her own hospital with cath lab facility
- Private clinical practice
- Pursue fellowships in advanced cardiology
- Research careers for those who are interested.

Also Visit: <https://manipal.edu/kmc-manipal/department-faculty/department-list/cardiology.html>