

Department of Infectious Diseases at KMC Manipal

Why to Choose DM in Infectious Diseases at KMC Manipal?

The Department of Infectious diseases is one of the very few fully functional Infectious disease (ID) departments in the country and provides tertiary care services to patients hailing from coastal and interior Karnataka, Goa and North Kerala. The Department offers DM in Infectious diseases, which is the highest academic qualification in medical fields in India. It also trains post graduates from the Department of Internal Medicine who come for regular rotation during their residency program. Faculty are actively guiding PhD students in doctoral studies in chosen infectious diseases.

The Department aims at comprehensive training of candidates in clinical problem solving, logical decision making, acquiring a broad knowledge base and gaining skills in basic and advanced management of Infectious Diseases. The department deals primarily with consultations from other departments and out-patient visits apart from regular in-patients (wards and ICUs). HIV, tuberculosis, tropical infections [(dengue, malaria, scrub typhus, leptospirosis, Kyasanur Forest Diseases (KFD)] and hospital-acquired infections are amongst the several vital areas of infectious diseases that the department works in. The candidates are also trained in emergency and critical care management in ID. The Department is also part of hospital infection control committee and is actively involved in outbreak investigation and antimicrobial stewardship. Since the beginning of the pandemic, the department has been actively involved in the management of patients with COVID-19. The candidates will be trained in Department run ART center in partnership with the government, and also other specialty clinics such as Hepatitis clinic and adult immunization services and travel.

The candidates will be trained in research by experienced Faculty. The Department of Infectious Diseases has a strong research track record in tropical infections, HIV, Health Care associated Infections, and antimicrobial resistance. The Department is involved with multicentre, multinational investigator initiated studies and industry sponsored clinical trials. The Department regularly hosts international fellows interested in observerships/ research projects. The department also has many international research and academic collaborations including McGill University,

Canada, Mayo clinic, USA, Wayne State University, USA, Charite University, Germany, and Medicine Sans Frontiers (MSF) to name a few.

2. Core Competencies pursued during post graduate training at Manipal

1. Learn the syndromic approach and arrive at the specific etiological diagnosis by appropriate history taking, physical examination, and modern laboratory evaluation.
2. Ability to manage all infectious diseases according to evidence-based practice
3. Acquire skills for sample collection, transportation and be well versed with microbiological processing
4. Ability to plan and execute infection control practices in hospital and community settings
5. Ability to practice antimicrobial stewardship
6. Ability to provide leadership during the management of outbreaks or public health emergencies
7. Training and refinement in communication skills, ethical practice and human care
8. Training to work as part of the team

3. Career Opportunities after Post graduation:

Infectious Diseases is a niche specialty and is growing at a fast pace in India. Successful candidates may choose to practice as consultant in infectious diseases and manage multitude of endemic or emerging infectious diseases.

ID specialists can practice as HIV/AIDS Physicians, Transplant ID specialists or Tropical Medicine experts

They can be infection control specialists/ advisors at various public or private hospitals

They could also join medical schools and be mentors for the next generation of Infectious Disease trainees to build a cadre of ID specialists.

They could take up public health/ health care epidemiology career and join WHO, CDC, NCDC or similar agencies on various programs with infectious disease prevention, control and elimination focus and also carry out outbreak investigations

The candidates can take up research career/pursue PhD and join research institutes or medical colleges and carry out implementation research

They can be consultants to 'Diagnostics' or 'pharmaceutical Industry.

Also visit: <https://manipal.edu/kmc-manipal/department-faculty/department-list/infectious-diseases.html>