

Immunoematology and Blood Transfusion Department

1. Why to choose MD Immunoematology and Blood Transfusion at KMC Manipal?

Blood Bank at Kasturba Hospital, Manipal, has evolved into the Department of Immunoematology and Blood Transfusion in 2010 and is one of the **first institutes** in the state of Karnataka to start a postgraduate course in the specialty. The department at KMC, Manipal, has a state of the art laboratory and is widely appreciated by the experts in the field. The department provides clinical services to support patients in need of blood component therapy, therapeutic apheresis, and specialized laboratory diagnostics. In addition, it also acts as a Reference Lab for the region. The department is actively involved in teaching, providing clinical diagnostic services, and carrying out research activities in the field of Transfusion Medicine. It has the best infrastructure and all the faculty with a qualification of Transfusion Medicine. The curriculum is designed and updated to facilitate students to perform better. With all the outstanding facilities, postgraduates are trained well and gain the best expertise in the field.

Core competencies pursued during postgraduate training at Manipal

- Immunoematology
- Blood component collection, processing and storage
- Clinical transfusion practice
- Homeostasis
- Therapeutic apheresis – selective removal of abnormal cells/substances in the blood associated with certain disease conditions. (Guillain Barre Syndrome, Myasthenia gravis, Sickle Cell

crisis, Thrombocytosis etc.)

- Peripheral Blood Stem Cell Collection
- Granulocyte Collection
- Blood Derived Biomaterials - fibrin sealant, platelet gel, and platelet-fibrin glue
- It is based on the core principles like Blood Safety, Comprehensive care in collaboration with Clinicians, Laboratory diagnosis, Safe Transfusion Practices and disease prevention, Collaborative, coordinated team-based approach, Resource management and Research aptitude in Immunohematology and Immunogenetics

2. Career opportunities after Post graduation

- Medical Officer in Blood Banks,
- Faculty in academic institutes having MD in Immunohematology and Blood Transfusion
- Consultant in corporate hospitals as a Transfusion Medicine Specialist
- Medical Advisor for diagnostic/manufacturing/pharmacological companies
- Consultant –in a program of regenerative medicine, transplant center
- A Team member for government advisory boards- NACO (National AIDS Control Organization), NBTC, SBTC (National And State Blood Transfusion Council).

Also Visit:

<https://manipal.edu/kmc-manipal/department-faculty/department-list/immunohematology.html>