

IMMUNOHEMATOLOGY AND BLOOD TRANSFUSION (BLOOD BANK)



The Department of Immunohematology & Blood has faculties who are well qualified and experienced in all aspects related to Immunohaematology, cellular therapy and Apheresis technology. The Blood Centre which is the mainstay of the Departmental service has the facility for preparing various blood components such as Packed Red Blood Cells, Fresh Frozen Plasma, Platelet concentrates and Cryoprecipitate which are essential for anemia correction and correction of bleeding and clotting disorders. Equipment to prepare and store the mentioned components is present. Voluntary blood donors are thoroughly examined by the Medical Officers, before blood donation and the collection process is performed by adequately trained staff. The collected blood is screened for HIV, Hepatitis B, Hepatitis C, Malaria and Syphilis by automated methods, with latest updated reagent kits, so as to render the blood product absolutely safe for transfusion.. Apheresis procedure is performed to prepare Single Donor Platelets, as well as Stem Cells. Therapeutic Plasma Exchange is also done thereby increasing the department's patient care capabilities. Stringent well documented Quality Control measures are followed on a daily, weekly and monthly basis to ensure blood product safety. Dedicated Faculty and competent technical staff strive hard to ensure total quality management.

Facilities and Services Offered

- 1) Blood Grouping and Rh typing by Column agglutination technology
- 2) Anti human globulin testing by Column agglutination technology
- 3) Unexpected Antibody Screening and identification

4) Rh Antibody Titre

5) Blood Components (Packed Red Blood Cells, Fresh frozen Plasma, Platelet concentrate and Cryoprecipitate)

6) Apheresis (Single Donor Platelets, Stem Cells and Multiple Component Separation)

7) Plasmapheresis or Therapeutic Plasma Exchange (For patients with certain Neurological, Hematological and Liver disorders)

8) General Coagulation Profile Assessment

9) Therapeutic Phlebotomy for Polycythaemia to relieve Excess Red Blood Cell load in the patient

10) Community outreach through blood donation camps

11) Platelet rich plasma preparation (wound healing and hair fall treatment) for Dermatology and cosmetology, Orthopedics, General surgery and Plastic surgery

12) Autologous serum therapy for chronic urticaria

