

DEPARTMENT OF TRANSFUSION MEDICINE, PGIMER, CHANDIGARH

Services provided by the department

I. Blood Collection

1. Voluntary Donors
2. Replacement Donors
3. Directed donors
4. Blood Donation Camps
5. Blood Donation Complex

II. Component Preparation

1. Packed red blood cells
2. Fresh frozen plasma
3. Single donor plasma
4. Platelet rich plasma
5. Random platelet concentrate
6. Cryoprecipitate
7. Cryo-poor plasma

III. Transfusion Transmitted Disease Testing on donor units :

1. HBs Antigen test for Hepatitis B
2. Anti HIV-1/2 antibody test for HIV
3. RPR/VDRL test for syphilis
4. Anti HCV antibody test for hepatitis C
5. Malaria screening by peripheral smear

IV. Emergency Service :

Round the clock for supply of blood and blood components to patients within PGI and in the region.

V. Haemotherapy Unit :

Blood and blood components provided to major user units like :

- ? Haemato-Oncology Unit – Adult and Paediatrics
- ? Obstetrics and Gynaecology Unit
- ? Haemophiliac patients
- ? Thalassaemia Clinic
- ? Massive transfusion patients
- ? Cardiology and Cardiothoracic Unit
- ? Neurosurgery
- ? Orthopaedics and trauma patients
- ? Urology
- ? Plastic Surgery
- ? ENT

VI. Special Immunohaematology Laboratory :

- ? Provision of compatible units in thalassaemia major patients.
- ? Work-up of patients with alloantibodies/autoantibodies to provide compatible blood.

VII. Antenatal and Rh Clinic :

-**Antenatal Serology** : Blood grouping, antibody screening, antibody identification and antibody titration.

-**Neonatal Serology** : Blood grouping
Direct Coomb' s Test

VIII. Apheresis Section :

1. Plateletpheresis/Single donor platelets
2. Therapeutic plasma exchange
3. Therapeutic cytapheresis

IX. Bone marrow processing laboratory for stem cell harvests

Teaching and Training Activities :

- ? Postgraduate course in M.D. Transfusion Medicine
- ? NACO designated Training Centre under National Blood Safety Training Program for training of Blood Bank Medical Officers and Laboratory Technicians from States of Punjab, Haryana and U.T., Chandigarh.
- ? Short Term Training Program.
- ? Annual CME in Transfusion Medicine.