



DEPARTMENT OF IMMUNOHEMATOLOGY & BLOOD TRANSFUSION (NABH ACCREDITED BLOOD CENTRE)

[Bharati Vidyapeeth (Deemed to be University) Medical College, Pune]



- The Dept. of Immunohematology & Blood Transfusion is situated on the first floor of the Bharati hospital, and has a modern Blood Centre with sophisticated equipment.
- The Dept. has been approved by National Medical Council (NMC) for conducting PG course in MD Immunohematology & Blood Transfusion.
- Bharati Hospital Blood Centre is a NABH Accredited, DGCI, FDA Licensed Blood Centre.

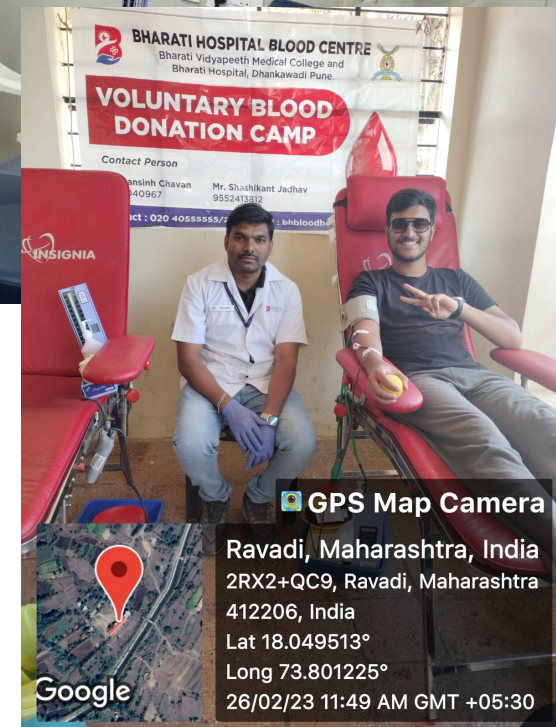


AIM

1. To provide safe blood & blood components to all patients by using modern techniques and state of the art equipment.
2. To provide medical education for Undergraduate & Post Graduate students of Bharati Vidyapeeth (Deemed to be University) Medical College, Pune- 43.
3. To train DMLT students, nursing students etc, of the University.
4. To conduct research & publish data in National & International journals.
5. To regularly conduct voluntary blood donation camps in and around Pune city.

Voluntary blood donation and outdoor camps

- 9000 blood units collected annually
- 100 % component preparation
- > 60 blood donation camps conducted annually



LABS, EQUIPMENT & FACILITIES

Component Separation Lab

- **LIST OF PRODUCTS:**

Sr. No.	Name of Products
1	Whole Human Blood I.P
2	Concentrated Human Red Blood Corpuscles I.P
3	Fresh Frozen Plasma I.P
4	Platelet Concentrate (Random Donor Platelet) I.P.
5	Platelet Concentrate (Platelet Apheresis)U.S.P.
6	Cryoprecipitated Antihemophilic Factor I.P.
7	Plasmapheresis U.S.P. (SINGLE DONOR PLASMA)



Immunoematology Lab (IHL)

- Performs all advanced IH investigations indented by different specialities of the hospital.



- **BIORAD IH 500 fully automatic Immunoematology System using ID- Cards**

Immunohematology Investigations Performed

- Blood Grouping
- Direct Antiglobulin Test (DAT)
- Indirect Antiglobulin Test (IAT)
- Red cell Antibody Screening & Identification
- Antibody titration
- Rh Kell blood group phenotyping
- Immunohematological Investigations for Hemolytic Disease of Fetus and Newborn
- IH workup in Solid Organ Transplant
- Cardiothoracic and Vascular surgery support

Transfusion Transmitted Infections testing lab

- Bio-Rad EVOLIS fully automatic ELISA platform



Apheresis Lab

- Collection of single donor platelets and plasma on the Cell separator machine.



Hematopoietic Cell Collection, Processing & Storage Centre



Hematopoietic Cell Collection, Processing & Storage Centre



Therapeutic Procedures performed by the Department

EXCHANGE PROCEDURES

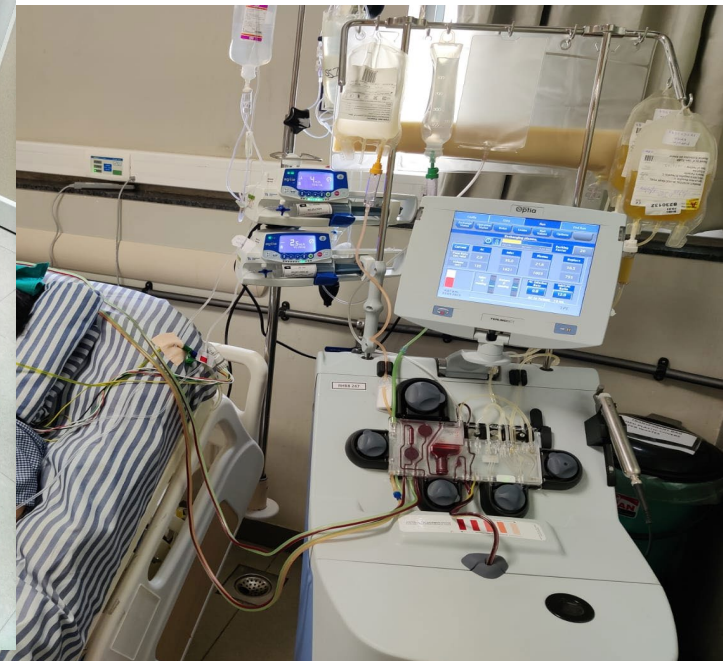
- Therapeutic Plasma Exchange
- Red Cell Exchange

COLLECTION PROCEDURES

- Hematopoietic Stem Cell Collection
- Donor Lymphocyte Infusion (DLI)
- Granulocyte Collection
- Single Donor Platelet Collection

DEPLETION PROCEDURES

- Leukocytapheresis
- Thrombocytapheresis
- Erythrocytapheresis
- Therapeutic Phlebotomy



Post graduate training program MD Immunohematology & Blood Transfusion

- The purpose of the course is to provide didactic education and practical training in all aspects of blood transfusion technology including pheresis donation and therapeutic apheresis, to develop the knowledge required to analyze Immunohematology problems and to provide expertise in blood centre administrative policies.
- Focus is given to
 - Theoretical knowledge
 - Teaching-learning activities
 - Clinical/Practical skills
 - Research

Post graduate training program MD Immunohematology & Blood Transfusion

- Academic Activities include
 - Seminars
 - Journal Clubs
 - Case presentation, case workup, case handling/management
 - Attending CMEs and Conferences
 - Rotational clinical / community / institutional postings
 - Regular internal theory & practical assessments

- Contact Address:

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