

Dhaka Medical College

Transfusion Medicine Department

Introduction of the Department:

Transfusion Medicine department of Dhaka Medical College Hospital is one of the most essential/important department giving 24 hours emergency service to the indoor patients. It plays an important role in serving lives in a critical moment of patients. Transfusion Medicine unit of DMCH is very enriches because it covers both laboratory & Therapeutic aspects.

Departmental Organogram with faculties:

Associate Professor: Dr. Kashfia Islam, MBBS, MD (Transfusion Medicine), MCPS

Assistant Professor: Dr. Aklima Akter Urmi, MBBS, MD (Transfusion Medicine)

Registrar: Dr. A. B. M. Al-Mamun, MBBS, MD (Transfusion Medicine)

Assistant Registrar: Dr. Tanzin Ara Karim, MBBS, DBS&T (Diploma in Blood serology & Transfusion)

Medical Officer: Dr. Jamil Uddin, MBBS

Dr. Sabina Yeasmin, MBBS, FCPS

Dr. Farhana Afroze, MBBS, DBS&T(Diploma in Blood serology & Transfusion)

Dr. Farina Rahman, MBBS, DBS&T (Diploma in Blood serology & Transfusion)

Dr. Shaheda Akter, MBBS, DBS&T (Diploma in Blood serology & Transfusion)

Departmental academic/Clinical activities:

Academic Course:

- **MD: 3 students**
- **Diploma: 10 students**

The integrated services of Transfusion Medicine department-

Components Preparation:

- Red cell concentrate
- Platelet (Random donor platelet, Apheretic Platelet)
- Plasma
- Platelet rich plasma (PRP)
- Cryoprecipitate

Laboratory Activities:

- Manual & Automated Blood grouping
- Screening of TTI (HBV, HCV, HIV, Malaria, Syphilis)
- Cross-matching (Saline, ICT, Enzyme & Albumin Method)
- Rh Genotyping & Phenotyping,
- Coombs' Test
- Rh Antibody detection & Titration
- Weak D Detection
- Blood grouping discrepancy solve

Clinical Transfusion Medicine Practice:

- Therapeutic Plasma Exchange (TPE)
- Leukocytapheresis
- Throbocytapheresis

Cellular Therapy & Regenerative Medicine:

- Peripheral Haemopoietic Stem cell collection
- PRP preparation

Departmental Research activities:

Convalescent plasma therapy in severely & critically ill Covid-19 patients: a randomized clinical trial to observe the efficacy and safety.

Departmental achievement: No

Any Research grant with source: No