

Foundation for Karl Landsteiner Blood Centre

One Team-One Mission.

Medical Officer

Serving our valued blood donors and blood transfusion dependent patients through blood safety initiative.

Overview

The Blood Bank Medical Officer (MO) is responsible for ensuring safe collection, processing, testing, storage, and issue of blood and blood components in accordance with national guidelines. The MO supervises donor care, laboratory operations, transfusion safety, adverse reaction management, documentation, quality assurance, and training.

Responsibilities

Donor Recruitment, Screening & Selection

- Perform medical examination of all donors.
- Ensure eligibility criteria are followed as per national guidelines.
- Evaluate medical history, risk factors, and physical fitness.
- Approve or defer donors with documentation and counselling.
- Provide counselling and ensure donor safety.

Phlebotomy Supervision & Donor Care

- Supervise phlebotomy and ensure aseptic techniques.
- Manage adverse donor reactions.
- Certify completion of donation and authorize blood unit processing.

Blood Component Preparation

- Oversee preparation of PRBC, FFP, Cryo, Platelets, etc.
- Ensure centrifugation, separation, freezing, and storage follow SOPs.
- Validate equipment calibration and environmental conditions.
- Ensure traceability throughout the process.

Immunohematology & Transfusion Testing

- Supervise ABO/Rh typing, antibody screening, and crossmatching.
- Interpret complex serological findings.
- Handle transfusion reactions and special immunohematology cases.

Blood Screening Tests

- Ensure mandatory testing (HIV, HBV, HCV, Syphilis, Malaria).
- Oversee ELISA, CLIA, NAT testing.
- Authorize release/quarantine decisions.
- Ensure QC and documentation.

Storage, Inventory & Issue

- Ensure correct storage temperatures.
- Monitor stock levels and manage expiry (FIFO/FEFO).
- Approve issue of blood/components.
- Ensure validated cold chain transport.

Transfusion Safety & Clinical Interface

- Assist clinicians in selecting appropriate components.
- Respond to emergency transfusion needs.
- Investigate transfusion reactions and report to HvPI.

Quality Management

- Ensure adherence to QMS.
- Participate in audits, CAPA, and EQAS.
- Review QC documents and compliance.

Equipment & Facility Management

- Ensure QC of equipment.
- Verify calibration, AMC, and repairs.
- Ensure biosafety and waste management compliance.

Documentation & Regulatory Compliance

- Maintain complete donor, testing, and issue records.
- Ensure LIS/software entries and traceability.
- Prepare regulatory audit documents.

Training, Education & Research

- Train technologists, nurses, and students.
- Participate in CME and research activities.
- Promote voluntary donor awareness.

Administrative & Leadership Responsibilities

- Supervise staff duties.

- Assist in procurement planning.
- Participate in policy-making and represent the centre in audits.

Qualifications

- MBBS degree from a recognized university.
- Training in Pathology/Transfusion Medicine preferred.
- Valid Medical Council registration.
- 0–3 years of experience preferred.
- Knowledge of national transfusion standards.

Skills & Competencies

- Strong clinical judgement.
- Excellent immunohematology knowledge.
- Ability to follow and enforce SOPs.
- Good communication and counselling skills.
- Team leadership and documentation skills.

Key Performance Indicators (KPIs)

- Zero major regulatory non-compliance.
- Accuracy in testing and documentation.
- Low donor adverse event rate.
- Quality of training provided.