

Division of Blood Transfusion Services

Ministry of Health and Family Welfare



Roles and Responsibilities of Blood Bank Medical Officer



1. Administrative

- Overall supervision
- Inventory management
- Complying with regulatory requirements
- Recording & reporting
- Convening hospital transfusion committee meetings
- Fulfilling program requirements
- Undergo appropriate training programs



2. Donor Management

- Perform routine donor evaluation and monitoring, including physical examinations and review of periodic laboratory testing.
- Provide consultation to Blood Bank technical and clerical personnel concerning donor selection and acceptability.
- Evaluate and manage blood donor reactions.
- Evaluate and follow-up donors with abnormal test results, including infectious disease testing.



2. Donor Management (contd...)

- Evaluation and approval of requests for specific components from specific donors
- Selection of donors for specific patients
- Evaluation of donor acceptability
- Donor monitoring.



3. Camp Management

- Medical officer should check the following :
- Exact venue ,number of donors, time for the camp, refreshment for donors, furniture, space, mobile vans, appliances for collection and transportation of blood, and emergency box
- Record and report the details about the blood camp to the Blood transfusion committee



3. Testing

a. IH/ ID

- Provide consultation and support to technical and clerical staff concerning specimen and requisition acceptability.
- Review and interpret:
- Blood typing discrepancies
- Positive antibody screens
- Antibody panels; prenatal titers
- Positive direct/ indirect anti-globulin tests



- Provide consultation to technical staff concerning additional evaluation of patients with complex serologic problems.
- Review clinical significance of serologic findings and decide on additional testing required prior to transfusion.



4. Component Management

- Provide consultation to apheresis nursing and technical staff concerning donor selection and acceptability.
- Evaluate and manage apheresis donor reactions.
- Provide medical direction of component collection via cell separator.
- Evaluate and approve requests for selected and specialized blood components, including washed red cells and apheresis derived platelet



5. Administrative/ Programme management/ Regulatory Aspects

- Provide consultation to supervisory and technical personnel on maintaining adequate inventory of all blood components.
- In times of limited inventory, provide interface to attending physician and resident staffs on requests for those components in short supply



6. QMS/QA

- Organisation
- Personnel
- Technical
- Document control
- Infrastructure management
- Equipment
- QA
- Audits



- Assists with developing, implementing, and maintaining the quality assurance
- Perform the initial review of the Quality Control records with the quality manager
- Ensure staff and departmental compliance with all regulatory, safety, and institution policies and procedures.
- Ensure that all work is done according to the required standards



- Ensure the SOP is followed at all critical steps of process flow like donor screening , phlebotomy site cleaning, phlebotomy, temperature maintenance during blood transport, calibrated centrifuge and trained technical staff in component lab
- Ensure the application of Good Manufacturing Practices (GMP),/Good lab practices(GLP)/Good Clinical Practices(GCP).



7. Training

- Cross training of different levels of staff
- Competency management
- Plans and Helps in Conduction of the refresher and regular training program of the staff in the blood bank
- Helps in evaluating the knowledge of the new staff and arrange for the training programs.



8. Clinical Services

- Provide consultation to clinical staff concerning selection and acceptability of donors for autologous transfusion.
- Consult with the attending physician and resident staffs as necessary.
- Determine risks of transfusion in: patients with complex serologic problems and patients who require transfusion before routine serologic testing can be completed. Provide consultation to attending physician and resident staffs as indicated
- Review initial workup of all transfusion reactions reported to the Blood Bank.



- Determine additional evaluation required and prepare a written interpretation for review and discussion with the in-charge blood bank and provide consultation to attending physician and resident staffs as indicated.
- Provide initial evaluation of patients who are candidates for therapeutic apheresis. This includes: review of patient problem; prepare initial draft of consultation report and review with the Consultant Transfusion Medicine to select appropriate patients for therapeutic apheresis; determine the apheresis protocol to be used; determine methods to be used for evaluating patient response to therapeutic apheresis.



- Obtain informed consent for therapeutic apheresis from patients.
- Schedule therapeutic apheresis procedures with apheresis personnel.
- Complete therapeutic apheresis worksheets and write the detailed orders for the apheresis procedure.
- Write daily apheresis orders.
- Evaluate patient pre-procedure and document procedure/"SOP" note.
- Evaluate and manage patient reactions during therapeutic apheresis.
- Monitor and evaluate patient response to therapeutic apheresis.

a. Haemo vigilance



9. Biosafety & Infection Control

- Ensuring BMW management
- Infection control practices
- Ensure universal precautions should be used consistently by all the staff of blood bank

