

OMAN MEDICAL SPECIALTY BOARD




المجلس العماني للاختصاصات الطبية

RESIDENCY TRAINING PROGRAMME

OMSB HEMATOPATHOLOGY FELLOWSHIP
CHECKLIST AND LOG BOOK
OF LABORATORY TRAINING
2007

HEMATOLOGY SPECIALTY

OMSB HEMATOPATHOLOGY IN FELLOWSHIP LOGBOOK OF LABORATORY TRAINING

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VISION

The hematology training program will develop and strive to produce well qualified specialists who will provide the highest quality hematological services to the country.

MISSION STATEMENT

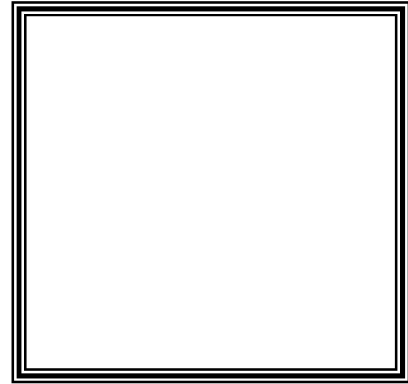
To develop specialists who will be able to diagnose, manage and prevent blood diseases in the individual and the community with competence, compassion, effective communication and management skills. These specialists will also be committed to excellence and be motivated to continuously upgrade themselves and conduct useful research in their discipline.

GENERAL INTRODUCTION:

As part of the OMSB Hematology postgraduate training program, it is mandatory for each student to maintain a portfolio of their work during the course. The portfolio will consist of the following:

- 1. Checklist and Logbook of Training.**
- 2. Records of important cases and discussions regarding diagnosis and management.**
- 3. Documentation of lectures given as part of teaching experience.**
- 4. Summaries of symposia attended.**

This checklist and logbook of training is part of the overall portfolio. It is the responsibility of the student to ensure that it is duly filled in during their training and not retrospectively. The portfolio is a pre-requisite for the major examinations and will in addition contribute a percentage of the overall marks awarded.

Hematology Specialty & Allied Training Centers: SQUH, Royal Hospital & Central Blood Bank (MOH)**IDENTIFICATION:****Name:**

_____ :

OMSB No.:

_____ :

Staff No:

_____ :

Batch:

_____ :

Date of Registration:

_____ :

Name of Supervisor**1.** _____ :

Chairman: Name & Signature

CERTIFICATE OF COMPLETION

This is to certify that Mr./Ms./Mrs.: _____
was under my supervision and has satisfactory completed this Log book
He/She candidate is deemed fit to appear for the final examination.

Supervisor: Name & Signature

OMSB HEMATOPATHOLOGY FELLOWSHIP

LOGBOOK OF LABORATORY TRAINING

R-1 HEMATOPATHOLOGY FELLOWSHIP

INTERNAL MEDICINE

Period: 1 Year

1. Rotations as per Internal Medicine R1 program.

2. Mandatory Rotations:

- i) Infections Disease
- ii) Respiratory Disease
- iii) Oncology

AREA	DATE	SUPERVISOR
Medical Emergencies		
Infectious Disease		
Respiratory Disease		
Oncology		

R-2 HEMATOPATHOLOGY FELLOWSHIP

GENERAL HEMATOLOGY LABORATORY

Period: 12 weeks

1. Introduction to the laboratory service.
2. General hematology analyzer.
3. Blood film and bone marrow reporting.
4. Miscellaneous hematology tests.

INTRODUCTION TO THE LABORATORY SERVICE

PROCEDURE	DATE	SUPERVISOR
Work Flow procedures		
Specimen Flow		
Turn-around time		

GENERAL HEMATOLOGY ANALYZER

SUBJECT	DATE	SUPERVISOR
Principles and Methods of Analysis		
Specimen Analysis		
Daily Running of Machine		
Interpretation of Scatter Plots		
Quality Control		
Calibration		
Knowledge of Reagents Used		

NORMAL BLOOD CELLS

SKILL	DATE	SUPERVISOR
Identification of Normal Blood Cells:		
1. Peripheral Blood		
2. Bone Marrow Aspirate		
3. Bone Marrow Biopsy		

TECHNIQUE OF BONE MARROW ASPIRATE AND BIOPSY

SKILL	DATE	PERFORMED	SUPERVISOR
Bone Marrow Aspirate			
Bone Marrow Biopsy			

PERFORMING A BLOOD AND MARROW SMEAR

SKILL	DATE	PERFORMED	SUPERVISOR
Peripheral Blood Smear			
Bone Marrow Smear			
Bone Marrow Biopsy Touch Preparation			

STAINING OF BLOOD AND MARROW SMEARS

SKILL	DATE	PERFORMED	INTERPRETED	SUPERVISOR
Romonovsky Stains				
Special Stains:				
1. MPO				
2. Sudan Black				
3. PAS				
4. Double Esterase				
5. Other Stains				

MALARIA DIAGNOSTICS

SKILL	DATE	PERFORMED	INTERPRETED	SUPERVISOR
Thick Blood Film				
Thin Blood Film				
Fluorescent Technique				
Antibody Strip				

FORMULATION OF MORPHOLOGY REPORTS FOR LEVEL OF R2

SKILL	DATE	ANALYZED	REPORTED	SUPERVISOR
Blood Film				
Bone Marrow Aspirate				
Bone Marrow Biopsy				

MANDATORY MORPHOLOGY CHECKLIST: BLOOD FILM

DISORDER	DATE	SUPERVISOR
Iron Deficiency Anemia		
Megaloblastic Anemia		
Thalassemia		
Sickle Cell Anemia		
G6PD Deficiency		
Schistocytes		
Microspherocytes		
Hereditary Spherocytosis		
Malarial Parasites		
Acute Myeloid Leukemia		
Acute Lymphoblastic Leukemia		
Chronic Myeloid Leukemia		
Chronic Lymphocytic Leukemia		
Essential Thrombocytosis		

Polycythemia Vera		
Idiopathic Myelofibrosis		
Immune Thrombocytopenia		

MANDATORY MORPHOLOGY CHECKLIST: BONE MARROW

DISORDER	DATE	SUPERVISOR
AML-M1		
AML-M2		
AML-M3		
AML-M4		
AML-M5		
AML-M6		
AML-M7		
Myelodysplastic Syndrome		
RA		
RARS		
RCMD-RS		
RAEB-1		

RAEB-2		
MDS-U		
ALL-L1		
ALL-L2		
ALL-L3		
Multiple Myeloma		
Essential Thrombocytosis		
Immune Thrombocytopenia		
Hemophagocytic Lymphohistocytosis		
Lieshmaniasis		

MANDATORY MORPHOLOGY CHECKLIST: BONE MARROW BIOPSY

DISORDER	DATE	SUPERVISOR
Acute Myeloid Leukemia		
Acute Lymphoblastic Leukemia		
Myelodysplastic Syndrome		

Multiple Myeloma		
Myelofibrosis		
Immune Thrombocytopenia		
Essential Thrombocytosis		

RESIDENTS OWN CHECK LIST OF ABNORMAL MORPHOLOGY

DISORDER	DATE	SUPERVISOR

MSCCELLANEOUS GENERAL HEMATOLOGY TESTS

TEST	DATE	PERFORMED	INTERPRETED	SUPERVISOR
ESR				
G6PD Deficiency				
SickledeX Test				
Monospot Test				
Hereditary Spherocytosis				

SEMINARS

SEMINAR	DATE	CONDUCTED	ATTENDED	SUPERVISOR

HEMOSTASIS AND THROMBOSIS

Year: R2

Period: 8 weeks

Sections:

1. Laboratory Hemostasis.
2. Supervised consults, hemophilia center and clinic.

HEMOSTASIS AND THROMBOSIS LABORATORY

TEST	DATE	PERFORMED	INTERPRETED	SUPERVISOR
Manual PT & aPTT				
Automated PT & Aptt				
INR				
Thrombin Time				
Fibrinogen				
Reptilase Time				
Factor Assays				
Mixing Studies				
Inhibitor Sreening				
Inhibitor Assay				
D-Dimer assay				
Von Willebrand Disease workup				
HIT screening				

Anti-Xa Assay				
Point of care testing				

TEST	DATE	OBSERVED	INTERPRETED	SUPERVISOR
Thrombophilia Screen				
Protein C				
Protein S				
Protein Z				
Antithrombin				
APCR				
ProC Global test				
Lupus anticoagulant				
Fibrinolytic Profile				
tissue-Plasminogen activator[tPA]				
Plasminogen Activator Inhibitor [PAI-1]				
Plasminogen				
Alpha 2 Antiplasmin				
Plasma Homocysteine				

TEST	DATE	EXPLAINED	INTERPRETED	SUPERVISOR
Molecular testing				
Factor V Leiden G1691A				
Prothrombin G20201A				
Methyltetrahydrofolate Reductase C677T				
CBS 844Ins68				

HEMOSTASIS AND THROMBOSIS LABORATORY

CLINICAL SKILL	DATE	SUPERVISOR
Consultations		
Management of Bleeding Disorders		
Management of Deep Vein Thrombosis		

HEMOGLOBINOPATHIES

Year: R2

Period: 8 weeks

Sections:

1. Principles of laboratory tests for haemoglobinopathies.
2. Interpretation of tests with case based data.
3. Detailed theory and clinical aspects of inherited and acquired haemoglobinopathies.

HEMOGLOBINOPATHY LABORATORY

TEST	DATE	PRINCIPLE	PERFORMED	SUPERVISOR
Hemoglobin Electrophoresis				
High Performance Liquid Chromatography				
Iso Electric Focusing				
Molecular Diagnostics				

SKILL	DATE	SUPERVISOR
Analysis with Case-based Data		
Theory of hemoglobinopathies		

SEMINARS

SEMINAR	DATE	CONDUCTED	ATTENDED	SUPERVISOR

TRANSFUSION MEDICINE

Period: 12 weeks

Sections:

1. Safe blood donation.
2. Basic principles and techniques in blood banking.
3. Immunohematology.
4. Infection screening and transfusion complications.
5. Component preparation and clinical use of blood and blood components.
6. Blood Transfusion in infancy.
7. Apheresis and cryopreservation

SAFE BLOOD DONATION

SUBJECT	DATE	SUPERVISOR
Donor recruitment		
Donor phlebotomy		
Blood collection: Donation to final product		
Medical problems related to donors		
Autologous blood donation		
Donor counseling		

BASIC PRINCIPLES AND TECHNIQUES IN BLOOD BANKING

SUBJECT	DATE	SUPERVISOR
Principles		
Molecular Techniques		
Basic Immunology		
Blood group genetics		
Platelet and Neutrophil antigens		
Compatibility Testing		
ABO blood groups and antibodies		
RBC antigen-antibody reactions		
RhD antigen and antibody		
Other RBC antigen-antibody systems		
Compatibility Procedures		
ABO incompatible RBC transfusion		

PRACTICAL SKILLS IN BLOOD BANKING

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Blood Grouping				
Antibody Screen				
Crossmatching				
Incompatible transfusion workup				

IMMUNOHEMATOLOGY

SUBJECT	DATE	KNOWLEDGE	SUPERVISOR
Serological Principles			
Pre-transfusion Testing			
Immune mediated hemolysis			
Auto-antibodies			
Drug-induced immune hemolysis			

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Antibody Screening				
Direct antiglobulin test				
Antibody identification				

INFECTION SCREENING AND TRANSFUSION COMPLICATIONS

SUBJECT	DATE	KNOWLEDGE	OBSERVED	SUPERVISOR
Transfusion complications				
Screening for transmissible infections				
Storage and Quarantine				
Issue of blood				

COMPONENT PREPARATION AND CLINICAL USE

SUBJECT	DATE	OBSERVED	PERFORMED	SUPERVISOR
Component Processing				

SUBJECT	DATE	SUPERVISOR
Manufacture of plasma derivatives		
Indications for blood and components		
Blood Utilization Review		

BLOOD TRANSFUSION IN INFANCY

SUBJECT	DATE	SUPERVISOR
Neonatal and Pediatric Transfusions		

APHERESIS AND CRYOPRESERVATION

SUBJECT	DATE	OBSERVED	SUPERVISOR
Apheresis for blood components			
Therapeutic apheresis			
Cryopreservation of marrow and PBSC			
Cord Blood Banking			

BLOOD UTILIZATION REVIEW

BLOOD UTILIZATION REVIEW	DATE	SUPERVISOR
Knowledge of Process		
Participation in BUR Meeting		

R-3 HEMATOPATHOLOGY FELLOWSHIP

GENERAL HEMATOLOGY LABORATORY

Period: 12 weeks

1. Morphology reporting
2. Quality systems
3. General Hematology analyzer

MORPHOLOGY REPORTING

SKILL	DATE	DETAILED REPORTS	SUPERVISOR
Blood film reporting			
Bone marrow aspirate reporting			
Bone marrow trephine reporting			

QUALITY SYSTEMS

SUBJECT	DATE	OBSERVED	PARTICIPATED	SUPERVISOR
Methods				
Pre-analytical QC				
Internal QC				
External Quality Assurance				
Notification, documentation and analysis of errors and adverse events				

GENERAL HEMATOLOGY ANALYZER

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Running of analyzer				
Troubleshooting				
Setting up of normal and therapeutic reference ranges				
Record Keeping				

SUBJECT	DATE	SUPERVISOR
Waste disposal		
Cost per test		
Maintenance and Service		

FLOWCYTOMETRY LABORATORY

Period: 4 weeks.

1. Principles of Flowcytometry.
2. Pre-analytical Phase.
3. Analytical Phase.
4. Post analytical Phase.
5. Use of essential cellular markers commonly applied to benign and malignant hematology.
6. Clonality and specific subtypes of hematopoietic malignancy.
7. Diagnostic applications, limitations and prognostic impact of immunophenotyping by flowcytometry in benign and malignant disorders.
8. Detection and quantification of minimal residual disease in hematologic malignancy.
9. CD34 count for stem cell quantification.
10. Anti-D detection.

SUBJECT	DATE	SUPERVISOR
Principles of Flowcytometry		

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Pre-analytical Phase				
Analytical Phase				
Post-analytical Phase				
Antibody Panels				
Clonality				
Subtypes of Hematological Malignancy				
Diagnostic Applications				
Primary Immunodeficiency				
Minimal Residual Disease				
CD34 count				
Anti-D detection				

CYTOGENETICS, MOLECULAR MEDICINE AND HLA LABORATORIES

Period: 8 weeks

CYTOGENETICS AND FISH LABORATORY

Period: 2 weeks

1. Techniques, indications and clinical application of conventional Cytogenetics.
2. Definition of chromosomal changes according to the international nomenclature of Aberrations.
3. Fluorescent in situ hybridization (FISH).

SUBJECT	DATE	SUPERVISOR
Principles of cytogenetics		
Chromosome Preparation		
International Nomenclature		
FISH		
Clinical Application		

SEMINARS

SEMINAR	DATE	CONDUCTED	ATTENDED	SUPERVISOR

MOLECULAR BIOLOGY LABORATORY

Period: 5 weeks

1. General principles of molecular biology.
2. DNA and RNA extraction, quantification and storage.
3. Polymerase chain reaction.
4. Chimerism.
5. Sequencing

SUBJECT	DATE	SUPERVISOR
Principles of Molecular Biology		

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
DNA & RNA extraction				
PCR				
Chimerism				
Sequencing				

SEMINARS

SEMINAR	DATE	CONDUCTED	ATTENDED	SUPERVISOR

HLA LABORATORY

Period: 1 week

1. General principles of HLA typing.
2. HLA typing by serology and molecular methods.
3. Interpretation of HLA data.

SUBJECT	DATE	SUPERVISOR
Principles of HLA typing		
HLA typing by serology and molecular methods		
Interpretation of HLA data		

HISTOPATHOLOGY LABORATORY

Period: 8 weeks

1. Processing of bone marrow biopsy and lymph node specimens.
2. Special stains.
3. Bone marrow trephine reporting.
4. Basic lymph node histopathology in hematological malignancy

SUBJECT	DATE	OBSERVED	SUPERVISOR
Processing of specimens			
Special staining			

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Reporting of Bone Marrow Trephine biopsies				
Reporting of selected lymph node histopathology				

BIOCHEMISTRY LABORATORY

Period: 4 weeks

1. Iron metabolism.
2. Iron studies in relation to relevant clinical disorders.
3. Vitamin B12 and folate metabolism.
4. Serum B12 and folate studies in relation to relevant clinical disorders.
5. Biochemical diagnosis of plasma cell dyscrasias.
6. Biochemical basis of porphyries.
7. Laboratory investigation of the different subtypes of porphyrias

SUBJECT	DATE	SUPERVISOR
Iron studies		
Folate and B12 studies		
Serum protein / urine electrophoresis		
Evaluation of a monoclonal band		
Quantification of monoclonal protein		
Urinary light chain estimation		
Lab investigation of Porphyria		

SEMINARS

SEMINAR	DATE	CONDUCTED	ATTENDED	SUPERVISOR

R-4 HEMATOPATHOLOGY FELLOWSHIP

ADULT CLINICAL SERVICE

Period: 24 weeks

1. In-patient service.
2. Outpatient service.
3. Consultations.

INPATIENT SERVICE

GENERAL SKILLS

SKILLS	DATE	PERFORMED	SUPERVISOR
History			
Physical Examination			
Differential Diagnosis			
Ordering Tests			
Interpretation of Investigations			
Presentation			
Communication			

MANDATORY CASES: HEMATOLOGICAL MALIGNANCY

1. Acute Myeloid Leukemia

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

2. Acute Lymphoblastic Leukemia

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

3. Chronic Myeloid Leukemia

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

4. Chronic Lymphocytic Leukemia

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

5. Multiple Myeloma

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

6. Diffuse Large Cell Non Hodgkins Lymphoma

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

7. Low Grade Non Hodgkins Lymphoma

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

8. Hodgkins Lymphoma

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

9. Myelodysplastic Syndrome

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		

Current Protocols		
Counseling		
Palliation		

10. Polycythemia Vera

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

11. Essential thrombocytosis

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

12. Myelofibrosis

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		
Palliation		

BENIGN HEMATOLOGY

1. Sickle Cell Disease

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

2. Thalassemia Major

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

3. Autoimmune Hemolytic Anemia

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

4. Idiopathic Thrombocytopenic Purpura

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

5. Hemophilia A

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

6. von Willebrands Disease

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

7. Deep vein thrombosis

ASPECT	DATE	SUPERVISOR
Diagnosis		
Management		
Current Protocols		
Counseling		

OUTPATIENT SERVICE

SUBJECT	DATE	SUPERVISOR
Follow up Patients		
New Referred Patients		

CONSULTATIONS:

Obstetrics and Gynecology

REASON FOR CONSULT	DATE	SUPERVISOR
Bleeding		
Anemia		
Thrombocytopenia		
Abnormal Coagulation for Surgery		
Blood and Component Support		
Sickle Cell Disease in Pregnancy		
Thrombocytopenia in Pregnancy		
Thrombosis		

Surgery

REASON FOR CONSULT	DATE	SUPERVISOR
Bleeding		
Anemia		
Thrombocytopenia		
Abnormal Coagulation for Surgery		
Blood and Component Support		
Thrombosis		

Intensive Care Unit

REASON FOR CONSULT	DATE	SUPERVISOR
Bleeding		
Anemia		
Thrombocytopenia		
Abnormal Coagulation for Surgery		
Blood and Component Support		
Thrombosis		
DIC		

THALASSEMIA SERVICE

Period: 4 weeks

1. Overview of thalassemia program.
2. Transfusion regimens.
3. Chelation programs.
4. Data management.
5. Management of complications.
6. Counseling.
7. Bone Marrow Transplant.

SUBJECT	DATE	SUPERVISOR
Transfusion Regimens		
Chelation programs		
Data Management		
Complications		
Counseling		
Bone Marrow Transplant		

PEDIATRIC HEMATOLOGY

Period: 8 weeks

PEDIATRIC CLINICAL HEMATOLOGY

1. In patient and out patient rotations.
2. Acute leukemia, sickle cell anemia and other disorders.
3. Clinical procedures

SUBJECT	DATE	SUPERVISOR
Leukemia/Lymphoma		
Sickle Cell Disease and haemoglobinopathies		
ITP and Congenital bleeding disorders		
Acute and Chronic anemias		
Histiocytosis syndrome		
Procedures		

PEDIATRIC IMMUNOLOGY STORAGE DISORDERS

Period 4 weeks

1. Introduction to common primary immunodeficiency states in Oman.
2. Principles of diagnosis and algorithms
3. Management.

SUBJECT	DATE	SUPERVISOR
Common Primary Immunodeficiency Syndrome in Oman		
Approach to Diagnosis: Algorithms		

DISEASE	DATE	SUPERVISOR
Phagocyte Disorders		
B cell immunodeficiency		
Common Variable Immunodeficiency		
Severe Combined Immunodeficiency		

BONE MARROW TRANSPLANTATION

Period: 4 weeks

BMT SERVICE

1. In patient service.
2. Outpatient service

SUBJECT	DATE	SUPERVISOR
Counseling		
Pre BMT workup		
Harvesting BM and PBSC		
Conditioning		
Stem Cell Processing		
Supportive Care		
Antimicrobial Therapy and Prophylaxis		
Common Complications		
Engraftment and Chimerism		
Post Transplant Follow up		
Re-immunization		
Relapse and Rejection		

R-5 HEMATOPATHOLOGY FELLOWSHIP

RESEARCH

Period: 24 weeks

1. Research methodology.
2. Basic statistics for research.
3. Submit a project.
4. Conduct research.
5. Analysis of data.
6. Prepare for submission to a journal

SUBJECT	DATE	SUPERVISOR
Research Methodology and Statistics		
Project submission		
Initiation of Research project		
Data Analysis		
Presentation of Results		
Submission to Journal		

TRANSFUSION MEDICINE

Period: 4 weeks

Sections:

1. Consolidation of skills in routine blood banking.
2. Therapeutic cellular apheresis.
3. Authorization of blood products.
4. Hemovigilance

SUBJECT	DATE	SUPERVISOR
Authorization of blood products		
Practical aspects of apheresis		
Hemovigilance		

CONSOLIDATION OF PRACTICAL SKILLS IN BLOOD BANKING

SKILL	DATE	OBSERVED	PERFORMED	SUPERVISOR
Blood Grouping				
Antibody Screen				
Crossmatching				
Antibody identification				
Incompatible transfusion workup				

GENERAL HEMATOLOGY LABORATORY

Period: 8 weeks

Sections:

1. Generate systematic reports on blood films, bone marrow aspirates and biopsies.
2. Laboratory computer system.
3. Human Resource Management.
4. Laboratory Safety

REPORTS ON BLOOD FILMS, MARROW ASPIRATES AND BIOPSIES

SUBJECT	DATE	SUPERVISOR
Blood Films		
Marrow Aspirates		
Marrow Biopsies		

LABORATORY COMPUTER SYSTEM

SUBJECT	DATE	SUPERVISOR
Laboratory Information System		
Recording Systems		
Reporting Systems		
Backup		

HUMAN RESOURCE MANAGEMENT

SUBJECT	DATE	SUPERVISOR
Organization Policies		
Orientation of new staff		
Strategies for training and continuing education		
Performance Assessment		

LABORATORY SAFETY

SUBJECT	DATE	SUPERVISOR
Management of chemical, physical, microbiological and radiation hazards in the laboratory		
Attend Fire Safety Course		
Disaster Management Plans		
Documentation of laboratory safety		

HEMOSTASIS, THROMBOSIS & HEMOGLOBINOPATHY LABORATORY

Period: 8 weeks

Sections:

1. Consolidate skills learnt in R2.
2. Comprehensive and systematic analysis of laboratory data

HEMOSTASIS AND THROMBOSIS LABORATORY

SUBJECT	DATE	SUPERVISOR
Manual and Automated Analysis		
Data analysis		

HEMOGLOBINOPATHY LABORATORY

SUBJECT	DATE	SUPERVISOR
Manual and Automated Analysis		
Data Analysis		

COMPREHENSIVE ANALYSIS OF PATIENT DATA

SUBJECT	DATE	SUPERVISOR
Hemostasis		
Thrombosis		
Hemoglobinopathy		

R-6 HEMATOPATHOLOGY FELLOWSHIP

EXPERIENCE IN A CENTER OF EXCELLENCE ABROAD

Period: 1 year

Center Chosen:

Area of Subspecialty:

JOURNAL CLUB PRESENTATION

No.	Date	Topic	Remarks
1.			
2.			
3.			
4.			
5.			
6.			
7.			
8.			
9.			
10.			
11.			
12.			
13			
14			
15			

Supervisor: Name & Signature

Minimum numbers of seminars () presented/attended.

CASE HISTORY CLERKING WITH NOTE

No.	Date	Diagnosis	I.P. No.	Remarks
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				

Supervisor: Name & Signature