HEMATOLOGY MODULE
SEMESTER V: 3rd year (SESSION 2014)

WEEK 1
Theme: Red Blood Cell disorders

Physiology
1. Physiological review of anaemia(nutritional)/importance of red cell indices and its correlation

Pathology
2. Classification of Anaemia
3. Anemia of diminished erythropoeisis (Iron def anemia, megaloblastic, aplastic anemia)
4. Hemolytic anemia (HS, G6PD, SCD)
5. Thalassemia syndromes
6. Autoimmune hemolytic anemia

Pharmacology
1. iron ,B12 treatment (hematinics, erthropoeitin, Colony stimulating factors)

Pediatrics
2. Cong hemolytic anemia (+ Sickle cell anemia) & IMNCI (Assess, Classify and manage child with anemia)
3. Hereditary spherocytosis, G6PD deficiency,
4. Pyruvate kinase Deficiency,
5. Acquired hemolytic anemia, Autoimmune hemolytic anemia
COMMUNITY MEDICINE

1. Anemia

Clinical Faculty: Medicine

2. Approach to a pt with anemia

SECOND WEEK
Theme: Hemostatic abnormalities and blood transfusion

Physiology
3. Revision of Extrinsic and intrinsic pathways review

Pathology
4. Bleeding diatheses Platelet disorders
5. Coagulation disorders (hemophilia, vwd)
6. DIC, Thrombotic Thrombo-cyto-paenicpurpura, Hemolytic Uremic Syndrome
   Blood transfusion, indications reactions Rh incompatibility

FORENSIC MEDICINE

1. Personal identity 1
2. Personal identity 2

Clinical Faculty: Medicine

1. Approach To A Pt With Thrombotic Disorders
2. Approach to a pt with bleeding disorders

Pharmacology
1. Coagulants, anticoagulants, thrombolytics

Pediatrics
2. Diagnosis of hemolytic disease of newborn-Rh incompatibility
3. Coagulation disorder:
4. Hemophilia A, B, C, Vonwellibrand Disease, ITP, Platelets function Defect, Disseminated
   intravascular coagulation: Hemolytic uremic syndrome, Thrombotic thrombocytopenic
   perpura

WEEK 3
Theme: White Blood Cell Disorders
Physiology
1. Revision of leucopoiesis

Pathology
2. Non neoplastic white cell disorders (infections, inflammation)
3. Overview and classification of neoplastic proliferation of white blood cells Hodgkins lymphoma
4. Non Hodgkin Lymphoma (NHL)

Forensic Medicine
1. Laws relating to medical man 1
2. Laws relating to medical man 2

Clinical Faculty: Medicine
1. Approach to patient with lymphadenopathy with or without splenomegaly

Pediatrics
2. Lymphoma and leukemia in children

WEEK 4

PATHOLOGY
3. Myeloproliferative Disorder
4. Myelodysplastic Syndrome
5. Bone Marrow Transplantation
6. Transplantation rejection

Forensic Medicine
1. Identification of living, dead

COMMUNITY MEDICINE
2. Vaccination

PHARMACOLOGY
3. Immuno suppressant, Immune Modulators, related to transplantation