

Hematology

Curriculum

Lecture-1

Introduction

- Cell line of hematopoiesis
- Stimulating factors
- Physiology and Anatomy of RBCs

Lecture-2

Anemias

- Introduction
- Classification
- Symptoms & signs in general
- Basic investigations & its interpretation

Lecture-3

Microcytic Hypochromic Anaemias

- Iron Kinetics
- Clinical Features,
- Investigations of Iron deficiency
- Treatment of Iron deficiency.
- D/D
 - Sideroblastic anaemia
 - thalassemia

Lecture-4

Macrocytic Anaemias

- Kinetics of B-12 and Folic Acid
- Clinical Features
- Investigations and management of B-12 / FA deficiency

Lecture-5

Hemolytic Anaemias

Lecture-6

Hemoglobinopathies

Lecture-7

Hypoplastic / Aplastic anemia

- Definition
- Classification
- Diagnosis and management

Lecture-8

Introduction to WBCs

- Agranulocytosis - Aetiology & its significance
- Leukemias (AML, ALL, CML, CLL)

Lecture-9

Management of leukemia

Lecture-10

Lymphomas

- Hodgkin's disease
- NHL (Non-Hodgkin's lymphoma)

Lecture-11

Approach to a patient with bleeding disorders

- Recognition
- Investigations
- Physiology of Platelets
- Therapy

Lecture-12

- Blood groups
- Blood Transfusion
- Component Therapy - **Must know**