

LECTURES GUIDE FOR STUDENTS
OS 216: Human Disease and Treatment - Hematopoiesis and the Immune Response
Hematology Module

Description of Activity:

This part of the module contains lectures that will discuss topics that are deemed as must know for LU4 students in order to prepare you for clinical work/patient management.

Learning Objectives:

At the end of the lecture series, students should be able to

1. Define different benign and malignant hematologic disorders and identify their causes and risk factors.
2. Differentiate pediatric and adult hematologic disorders in terms of epidemiology and clinical presentations.
3. Correlate the pathophysiology and manifestations of different benign and malignant hematologic disorders.
4. Discuss appropriate diagnostic work-up and management principles for benign and malignant hematologic disorders.
5. Discuss the psychosocio-economic impact of hematologic disorders on the patients and their families.
6. Discuss the principles of blood donation and blood component therapy.
7. Define the indications for blood component and whole blood transfusion.
8. Discuss transfusion related complications and their management.
9. Identify ethical issues on blood transfusion.

Activity Resource Material/s

For this module, you are asked to go through 13 annotated lectures. These annotated lectures by our faculty are all available at the course site. These are:

1. Introduction to Hematology
2. Common laboratory tests used in hematology
3. Blood Bank Plenary
4. Pathology/Morphology Plenary
5. Approach to Anemia in Adults
6. Approach to Anemia in Pediatrics
7. Bleeding Disorders in Adults
8. Bleeding Disorders in Pediatrics
9. Hypercoagulable States
10. Bone Marrow Failure States
11. Pediatric Hematologic Malignancies
12. Adult Hematologic Malignancies
13. Approach to Hematologic Complaints

They can be accessed at your own pace. The total expected time for viewing these 13 lectures is 19 to 20 hours. A Discussion Board/Chat Portal will be opened for your questions or points for clarification.

It is highly recommended that you view the lectures in the order stated above as this will help with the flow of the discussions.