

Name of the module: Hematology 3rd year Medicine

Number of module 47183023

BGU Credits: 4.5

ECTS credits:

Academic year: 3rd year medicine

Semester: first semester, 6-

21/11/2012

Hours of instruction: 8:15am –
4:00pm

Lectures 68 hours

Laboratory 4 hours

Clinical discussions 8 hours

PBLs 2 hours

Location of instruction: Daily lectures will take place in the Deichmann Building for Health Professions. Specific classroom numbers are indicated in the schedule.

Language of instruction: Lectures will be given in Hebrew.

Cycle: B.Med.Sc

Position: Obligatory module intended for 3rd year medical students, as part of their preclinical teaching.

Field of Education: Hematology.

Responsible department: Institution of Hematology, Soroka University Medical Center.

General prerequisites: Students should complete successfully the following modules (given in prior 2 years medicine): Basic pathology, Molecular Biology, Medical Biochemistry, Medical Physiology .

Grading scale: Successful passing of multiple-choice questions examination with a score of 65 or higher.

Course Description:

Aims of the module: The goal of the hematology module is to introduce and teach basic principles and practice in hematology.

Objectives of the module: Objectives are to enable students to classify and to have basic understanding of red, white blood cells and coagulation disorders, and to incorporate laboratory findings into clinical problem solving.

Learning outcomes of the module: On successful completion of the course, the student should be able to:

1. Describe normal peripheral smear and bone marrow findings and correlate these to pertinent laboratory tests used to evaluate hematologic disorders.
2. Classify red blood cell disorders (anemias) and apply laboratory values in clinical decision making.
3. Describe the coagulation cascade, pertinent laboratory tests used to assess coagulation function and correlate with diseases of coagulation dysfunction.
4. Define thrombocytopenia and distinguish between qualitative and quantitative platelet disorders; formulate a differential diagnosis based on clinical findings and laboratory data.
5. Classify white blood cell disorders (leukemia, lymphoma and multiple myeloma) and compare pathologic features of each category.
6. Apply clinical laboratory and ancillary molecular diagnostic testing to develop a differential and a diagnosis of white blood cell disorders.

Attendance regulation: Attendance to the oral lectures is not obligatory. Participation in the PBLs, Clinical discussions and Labs is obligatory.

Teaching arrangement and method of instruction: Instruction in the module is based on frontal oral lectures, clinical discussions, PBLs, and histo-pathological labs. Computer based labs will also be used.

Lecturer: Dr. Ory Rouvio

Contact details:

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Module evaluation: at the end of the semester the students will evaluate the module, in order to draw conclusions, and for the university's internal needs

Confirmation: 2012 (academic year)

Last update: 10/2012

Assessment:

Students will be assessed in the module only by passing MCQ exam with a score of 65 or higher.

Work and assignments: Students are required to take active part in the PBLs meetings, and present a ten minute presentation to the whole class – summarizing their PBL.

Time required for individual work: in addition to attendance in class, the students are expected to do their assignment and individual work:

Due to the method of modules in 3rd year – students are required to study and review the lectures at home. Roughly 30 minutes per an hour lecture. PBL learning and preparation will take 4hr.

Module Content\ schedule and outlines: the content and structure of the module, including detailed subjects, and their order.

Required reading: Students are expected to read the lectures as presented as ppt presentations.

Additional literature: Bibliography of the module is based on Essential Haematology, 6th Edition. Wiley-Blackwell (STMS), 2/25/2011, and Harrison's Principles of Internal Medicine 18th Edition (p 448-482, 844-988)

*All learning material will be available to the students on the module's website (high-learn)/ library/ electronic documents available to BGU students

