

Name of the module: Respiriology 3rd year Medicine

Number of module 471-8-3022

BGU Credits: 4.5

ECTS credits

Academic year: 3rd year medicine

Semester: first semester, 20/1/2013-
15/02/2013

Hours of instruction: 8:15am –
4:00pm

Lectures 115 hours

Laboratory 6 hours

Clinical discussions 13 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: Respiriology.

Responsible department: Institution of
Pulmonology, 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 Respiriology module is to introduce and teach basic principles and practice in respiriology.

Objectives of the module: Objectives are to enable students to classify and to have basic understanding of the process of breathing – oxygenation and ventilation, pulmonary clinical and pathological 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 physiology of the respiratory system – breathing, ventilation, diffusion and blood flow and correlate these to relevant laboratory tests used to evaluate respiratory disorders.
2. Classify lung disorders (infectious, oncologic and inflammatory) and compare clinical presentation features of each category.
3. Use clinical laboratory and radiological diagnostic testing to develop a differential diagnosis of pulmonary disorders.
4. Classify types of respiratory failure and be able to interpret blood gases values in the clinical decision making of mechanical ventilation.
5. Interpret pulmonary function tests.
6. Apply knowledge in pulmonary physiology in the interpretation of combined cardiac and respiratory exercise tests.
7. Distinguish between restrictive and obstructive pulmonary diseases and apply appropriate therapy to each.

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 and histo-pathological labs. Computer based lab will also be used.

Senior Lecturer: Dr. Nimrod Maimon

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: 12/2012

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 meetings, clinical discussions computer and histo-pathological labs.

Time required for 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.

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 of Pulmonary Physiology, 8th Edition, 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

