

Name of the module: Neurosurgery rotation.

Number of module: numeric code of the module is 47185084

BGU Credits: number of credits in the Israeli system, is 2.5.

ECTS credits: number of credits in the European Credit Transfer System is ????

Academic year: The module is being taught in the 5th academic year

Semester: Fall. Two weeks long rotation.

Hours of instruction: 80

Location of instruction: lectures, clinical round, operating room.

Language of instruction: Hebrew/English

Cycle: Medical Doctor

Position: Neurosurgery rotation is a selective rotation that is available for medical students

Field of Education: Neurosurgery

Responsible department: The Neurosurgery department at Soroka University Medical Center

General prerequisites: Preclinical studies, neuroanatomy, neurology, endocrinology, intensive care.

Grading scale: Percentage out of 100.

Course Description: Neurosurgery clinical rotation serves as an introduction to the field of neurological surgery. It is meant to enable medical graduates to successfully diagnose and eventually understand the logic behind the course of treatment of neurosurgical diseases. The rotation usually covers neuro-oncology, endocrinologic CNS surgery, TBI, spinal neoplastic and degenerative diseases, and pediatric neurosurgical disease including birth defects of the CNS.

Aims of the module: To enable medical graduates to acquire clinical skills that will allow them to diagnose and eventually understand the logic behind the course of treatment of neurosurgical diseases.

Objectives of the module:

1. Review of neuroanatomy
2. Review of neurological examination
3. The management of TBI
4. The management of neoplastic disease

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

1. Understand basic neuroanatomy and functional cortex topography
2. Present a neurosurgical patient
3. Briefly describe the pathophysiology of the neurosurgical disease at hand
4. Explain the arguments to support the suggested course of treatment

Attendance regulation: Students are expected to know all admitted patients at the Neurosurgery department at the time of the rotation. The students are expected to attend morning rounds, frontal teaching scheduled except for students attending surgery. During the rotation, each student is expected to accompany the resident on call for the first 8 hours of his duty twice. Students are expected to prepare 5 different case presentations (all together) based on admitted patients pool including review of relevant literature.

Teaching arrangement and method of instruction:

1. Morning rounds
2. Frontal lectures given by neurosurgery staff
3. Guided Observation of surgical procedures in or
4. Case presentations
5. Guided observation of ER management

Lecturer: A. Cohen M.D.

Contact details:

Neurosurgery department
Soroka University Medical Center
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Office phone: ++ 972 8 6403426

Email:

Office hours: Sunday to thursday 07:30 to
15:30

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

Confirmation: the syllabus was
confirmed by the faculty academic
advisory committee to be valid on
2015-2016

Last update:
November 2015

Assessment:

how the students will be assessed in the module

1. General assessment of involvement of the student 40%
2. Quality and thoroughness of case presentation 20%
3. Final Oral examination 40 %

100%

Work and assignments:

1. Morning rounds - daily
2. Frontal lectures given by neurosurgery physicians – will be published ahead of rotation
3. Guided Observation of surgery – twice thru rotation
4. Case presentations - student will form groups to produce 5 case presentations all together thru the rotation.
5. Guided observation of ER management – each student will accompany the physician on call twice thru the rotation

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

1. Guided observation of ER management – 16 ours
2. Guided Observation of surgery – variable
3. Case presentations – 4 to 6 hours
4. Self reading – 4 to 6 hours

Module Content\ schedule and outlines: will be published ahead of rotation.

Required reading: Toronto notes for Neurosurgery

Additional literature:

1. **Mark S. Greenberg -handbook of Neurosurgery, 7th Edition**
2. **Hal Blumenfeld – Neuroanatomy thru clinical cases**

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



