Course name: Anesthesiology and Critical Care - 5th year
Course No.: 471-8-5094

Credit points: 2.5
ECTS:
Academic year: 5
Semester: 1, 2
Duration: 2 weeks and 3 days
Location: Anesthesiology and Critical Care Depts. Soroka University Med. Ctr.
Teaching language: Hebrew
Degree: MD
Course characteristic: Course in clinical Anesthesiology and Critical Care
Discipline: Anesthesiology
Supervising dept.: Anesthesiology
Requirements: None
Grades key: Pass/Fail
Lecturer name: Prof. Yoram Shapira
Dr. Yoav Bichovski

Contact details:
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Course description: Basic course in Anesthesiology and Critical Care
Course objectives:
To teach major topics in clinical Anesthesiology and Critical Care
Course Goals:
To provide basic knowledge and skills in clinical anesthesiology and critical care
Learning input:
In completing the course the student will be able to:
1. To be familiar with anesthetic drugs
2. To known and recognize complications and of intubation and anesthetic
3. To be familiar with intravenous and ventilation anesthesia
4. To know and understand fluid and electrolytes management in anesthesiology and critical care patients
5. To understand principles of regional anesthesia
6. To be familiar with basic special issues in anesthesiology and critical care (cardiac patient, asthmatic patient, morbid obese patients, pediatric anesthesiology, head trauma patient and heavy smoker patient)
7. To be familiar with principles of intensive care management
8. To be familiar with principles of post operative analgesia
9. To appropriate use imaging in anesthesiology and critical

In completing the course the student will be familiar with the follow practical skills:
- intubation
- central line insertion
- anestesia machine and ventilation machine
- insertion of gastric tube
- laryngeal mask

Course evaluation: Pass/Fail, based on attendance and oral examination
Course approval: The course has been approved by the faculty teaching committee for 2012
Last updated: 11.2015
- anesthesia monitoring
- cardio-respiratory resuscitation

Attendance regulations: attendance mandatory

Teaching technique:

**Bedside teaching** in operation rooms (OR) and Intensive Care Unit (ICU)

Students will have supervised rounds, will see and present patients and will be exposed to the various patients in anesthesiology and critical care setting.

**Frontal teaching:** Three days of frontal teaching and then daily frontal teaching during the clinic clerkship.

Course tasks: attendance mandatory

Once a week every student should do a shift until 23:00 with the staff doctor and accompany him or her

Course Structure: Daily Activity:

7.00-12.00 OR and ICU
12.00-15.00 Short seminars about major anesthesiology and critical care topics

Required time for self study: approx. 3 hours a day for completing tasks and reading relevant material

Student Evaluation:

Pass/fail based on attendance and oral examination

Required reading:

Gurman G.: Anesthesiology; a practical manual for students, interns and new residents in Anesthesiology. 2005