



Course Regime

Course: Implementation of ultrasound in anesthesia practice
Study Programme:
Medicine

Year of the Course: 5

Semester:
Summer

Course type:
Compulsory

Number of ECTS credits: 3

Lecturer(s):
Doc. dr. Maja Šoštarič, dr.med.

Participating Organisational Units (Departments and Institutes):
Department of Anaesthesiology and Reanimatology

Parts (Modules) of the Course

- 1: Basic of Ultra sound, use of Ultrasound machine and different probes
- 2: Ultrasound examination of lung and evaluation of intracranial pressure
- 3: Ultrasound guided venous catheter placement
- 4: Ultrasound in case of hemodinamyc instability
- 5: Ultrasound and regional anaesthesia

Date of Issue:
15.9.2019

A. General part (*applies to compulsory and elective courses*)

1. Course objectives

Students will learn the basics of ultrasound examination, the use of ultrasound machine and different probes. Intravenous catheters will be inserted using ultrasound on the phantom. They will get acquainted with the use of ultrasound to detect hemodynamic instability, lung examination and assessment of intracranial pressure. Basic knowledge of regional anaesthesia will be learned.

2. Comprehensive outline of the course organisation

The lessons will be as the lectures and practical work on the simulator. The lesson will be held in the afternoon one whole week; three hours of lectures and two hours of practice at the MF Simulation Centre. Students should be present at least 75%. In case of excused absence, lectures and practice in Simulation Centre will be conducted by appointment.

3. Description of on-going assessment of knowledge and skills

On-going assessment is not provided during the course.

4. Required conditions for the final examination (Course Exam)

The student who has attended the lectures and practical work at the Simulation Centre (1 excused absence) may approach to the exam. The first introductory lecture is compulsory for all students. In case of excused absence, lectures and practical work at the Simulation Centre will be conducted by appointment and then the student may approach to the exam.

5. Final assessment and examination of knowledge and skills (Course Exam)

The final exam is a test consisting of 30 MCQ. 60% correct answers are required for a positive one. Writing time 1 hour.

6. Other provisions

No accessories are allowed or needed.

7. Fundamental study material and Supplement reading

PG Barash, BF Cullen, RK Stoelting. Clinical Anesthesia. Lippincott Williams&Wilkins 4th edit. e-learning

8. Exam topics, clinical presentations and skills

US machine and probes
US guiding intravenous catheters
US examination of lung, evaluation of intracranial pressure
Use of US for the diagnosis of hemodynamic instability
US and regional anaesthesia

9. Other information

B. Elective Courses (*considered as Elective Course Announcement*)

1. Participating main and guest lecturers

Professors and assistants from Department of Anaesthesiology and Reanimatology

2. Estimated time period in the semester

April, may 2020

3. Maximum number of students for the elective course (if the number of students able to attend the course is limited)

15

4. The course is conducted in the Slovenian language and is not intended for ERASMUS students.