



Course Regime

Course: Implementation of Ultrasound in Anesthesia Practice

Study Programme:
Medicine

Year of the Course: 5

Semester:
Summer

Course type:
Elective

Number of ECTS credits: 3

Lecturer(s):
Doc. dr. Maja Šoštarič

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

Parts (Modules) of the Course

- 1: US machine and US probe
- 2: US for i.v. cannulation and central venous catheters
- 3: US of thorax and lung
- 4: US for peripheal nervous blocks
- 5: US for the assessment of intracranial pressure
- 6: US for perioperative hemodynamic assessment

Date of Issue:
15th of September 2018

A. General part

1. Course objectives

Students get acquainted with the US machine and how to improve US image. The importance and possibilities of using US in medicine with an emphasis on the use in anaesthesia are presented. They learn to distinguish and correctly use different US probes. Theoretical lectures on the use of US are continued by performing examination on the models or in simulation centre. They learn to use US for i.v. access and regional anaesthesia. They understand the importance of US diagnostics in determining the patient's hemodynamic instability and the basics of the US examination of the heart and lungs.

2. Comprehensive outline of the course organisation

Lectures and practical work on models. After the lecture, the practical work on models follow each lecture. Compulsory 75% presence.

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

No assessment of on-going knowledge and skills are planned.

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

The condition for the final examination is 75% attendance at lectures and exercises. In case of justified absence, additional lectures and practical work are organized by agreement.

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

Final examination of knowledge is a written exam consisting of 20 MCQs, lasting 1 hour, 60% for a positive assessment.

6. Other provisions

The gadgets are not intended and not allowed.

7. Fundamental study material and Supplement reading

E classroom, a collection of lectures.

8. Exam topics, clinical presentations and skills

Topics posted in e classroom.

9. Other information

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

- 1. Participating main and guest lecturers**
Assistants and employees of Department of Anaesthesiology and Reanimatology
- 2. Estimated time period in the semester**
23rd-26th April 2019.
- 3. Maximum number of students for the elective course (if the number of students able to attend the course is limited)**
10-15
- 4. Elective course is not in English language.**