



## Course Regime

Course: Perioperative medicine  
Study Programme:  
Medicine

Year of the Course: 6

Semester:  
Winter

Course type:  
Mandatory

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: Preoperative optimisation of patients' condition
2. General anaesthesia: anaesthetics and procedures
3. Regional anaesthesia and local anaesthetics
4. Anaesthesia machine and mechanical ventilation
5. Acute pooperative pain management
6. Oetric anaesthesiology and analgesia
- 7: Airway
8. Advanced life support
9. Intensive medicine

Date of Issue:  
20.9.2020

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

### **1. Course objectives**

The lesson will be held at the Simulation Centre of Medical Faculty as the lectures and practical work and in operating theatres. Students will gain knowledge of anaesthesiology, preoperative evaluation and optimisation of patients' medical condition, postoperative treatment, acute postoperative pain management, mechanical ventilation and intensive medicine. They will become acquainted with the use of general and local anaesthetics, opioid analgetics and muscle relaxants. The open airway management and insertion of intravenous catheters will be repeated.

### **2. Comprehensive outline of the course organisation**

The lessons will be as lectures and practical work on the simulator and in operating theatres. Classes will be held in the module together with Geriatrics. The lectures will be together for all students in rotation. For practical work in the SC and in the operating room, students in rotation will be divided into groups A and B. Practical work in the SC will be on Monday afternoon. Practical work in the operating room will be from Tuesday to Friday from 8.00-12.00. Each student will have practical work in the operating room for 4 consecutive days. Practical work in the SC are mandatory, otherwise 75% mandatory attendance. Possibilities of replacement in case of justified absence by agreement.

The student's attendance form is signed by the mentor in the operating room or in SC.

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

On-going assessment is not planned during the course.

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

Student who was present in 75% of the lectures and tutorials could approach the exam. An introductory lecture is mandatory for all students. If a student is absent more than once for a justifiable reason, a replacement arrangement is arranged and he / she can take the exam after completing the obligations.

### **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**

Text book Vladimir Smrkolj Surgery

e-learning

[https://cprguidelines.eu/sites/573c777f5e61585a053d7ba5/content\\_entry573c77e35e61585a053d7baf/573c781e5e61585a053d7bd1/files/S0300-9572\\_15\\_00327-5\\_main.pdf?](https://cprguidelines.eu/sites/573c777f5e61585a053d7ba5/content_entry573c77e35e61585a053d7baf/573c781e5e61585a053d7bd1/files/S0300-9572_15_00327-5_main.pdf?)

### **8. Exam topics, clinical presentations and skills**

Pharmacology of general and local anaesthetics, opioid analgetics and muscle relaxants. General and regional anaesthesia procedures. Optimization of preoperative patients' medical condition. Classification of patients into ASA classes. Open airway management and intubation. Knowledge of anaesthesia machine and artificial respiratory systems. ALS

### **9. Other information**

