

Medicinski fakultet u Rijeci

**IZVEDBENI NASTAVNI PLAN  
2022/2023**

Za kolegij

**Neurosurgery**

Studij:	<b>Medical Studies in English (R)</b> Sveučilišni integrirani prijediplomski i diplomski studij
Katedra:	<b>Katedra za neurokirurgiju</b>
Nositelj kolegija:	<b>doc. dr. sc. Šimić Hrvoje, dr. med.</b>
Godina studija:	<b>5</b>
ECTS:	<b>1</b>
Stimulativni ECTS:	<b>0 (0.00%)</b>
Strani jezik:	<b>Mogućnost izvođenja na stranom jeziku</b>

## **Podaci o kolegiju:**

The course in Neurosurgery is obligatory course during the fifth year of the medical studies, consisting of 8 hours of lectures, 4 hours of seminars and 8 hours of clinical practice, which is total of 20 hours (1 ECTS). It is performed in the wards of Clinic of Neurosurgery, Clinical Hospital Center Rijeka, in its operation theaters, and in the Lecture hall of Clinical Hospital Center Rijeka (Sušak). The aim of the course for the students is to adopt basic knowledge and skills in the neurosurgery and neurotraumatology. After getting information about specific neurosurgical approach to neurological diseases and neurotraumatological cases, the student will learn about advisable operative ways of their treatment.

The contents are a part of neurological contents that are already known to the students from the fourth year and represent its logical continuation offering modern methods of operative treatment. The importance of the decompressive and pathologic substrate ablation is stressed: be it a tumour, haematoma or malformation. Also, operations of the CSL derivation are shown, as well as the decompression of the spinal channel. A short description of the surgery of the inflammatory and purulent processes, and modern microsurgical methods, ventriculoscopy, endoscopy and minimally invasive procedures will be given. In neurotraumatology the explanation of the common injuries to the neurocranium and spine, as well as to the brain and spinal cord and peripheral nerves will be given. The importance of the team approach in their modern complex treatment is explained (the teams consisting of the urgent medicine physician, intensive care unit – anesthesiologists and neurosurgeons and neurorehabilitationists is stressed. Upon completing the course student will be able to approach these patients with comprehension, be able to distinguish their illness, analyse symptoms and recommend best diagnostic and treatment options. The student will be able to do the follow up of such patient and recognize qualitative and quantitative disturbances of the consciousness, focal neurological deficits (such as monoparesis vs hemiparesis, aphasia, gait and coordination disturbances etc.), recognize the signs of elevated ICP, neurological signs in spinal cord injuries (para- and tetraplegia).

## **Popis obvezne ispitne literature:**

1. A comprehensive script representing lectures will be issued
2. Fundamentals of Neurosurgery, A Guide for Clinicians and Medical Students; A.F Joaquim, E. Ghizoni, H. Tedeschi, M.A.T. Ferreira – editors; Springer V. 2019.

## **Popis dopunske literature:**

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## **Nastavni plan:**

### **Obveze studenata:**

The student has to follow all the parts of the course and actively take part in practical learning. They should also use the literature advised.

### **Ispit (način polaganja ispita, opis pisanog/usmenog/praktičnog dijela ispita, način bodovanja, kriterij ocjenjivanja):**

The ECTS system of cumulating the points will be applied: According to which the number of ECTS for the Neurosurgery is 1. The student's activity during all the modalities of the training will be followed, and the final written exam can bring up to 50 points (the first 50 points can be achieved during the training) The student has to gain minimally half of the maximal points – 25 to be able to take part in the written exam, and another 25 points on the written exam – totalling in min. 50 points. The final exam is done in the written form of a test – finally the student can successfully finish the course getting the mark – passed (final colloquium)

### **Ostale napomene (vezane uz kolegij) važne za studente:**

The information to the students will be distributed via student representatives, through net – info of the Chair for the neurosurgery, and also will be presented individually on request (secretary of the Chair)

## **SATNICA IZVOĐENJA NASTAVE 2022/2023**

Neurosurgery

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**Popis predavanja, seminara i vježbi:**

**ISPITNI TERMINI (završni ispit):**

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