[Medicinski fakultet u Rijeci]

Curriculum
2022/2023

[Za kolegij]

Neurosurgery

Study program:	**Medical Studies in English (R)** [Sveučilišni integrirani prijediplomski i diplomski studij]
Department:	**[Katedra za neurokirurgiju]**
Course coordinator:	**doc. dr. sc. Šimić Hrvoje, dr. med.**
Year of study:	**5**
ECTS:	**1**
Incentive ECTS:	**0 (0.00%)**
Foreign language:	**Possibility of teaching in a foreign language**

Course information:

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, Clincial Hospital Center Rijeka, in it’s 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 specifical neurosurgical approach to neurolgical 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 o malformmation. 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 urgnet medicine physician, intensive care unit – anesthesiologists and neurosurgeons and neurorehabilitationists is stressed. Upon completing the course studnet will be able to aproach these patients with comprehension, be able to distinguish their ilness, 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 conciousness, focal neurological deficits (such as monoparesis vs hemiparesis, aphasia, gait and coordination disturbances etc.), recognize the signs of elevated ICP, neurlogical signs in sponal cord injuries (para- and tetraplegia).

List of assigned reading:

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.

List of optional reading:

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Curriculum:

Student obligations:

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.

Exam (exam taking, description of the written/oral/practical part of the exam, point distribution, grading criteria):

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 colloqium)

Other notes (related to the course) important for students:

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)

COURSE HOURS 2022/2023
Neurosurgery

List of lectures, seminars and practicals:

EXAM DATES (final exam):
