

<b>NEUROREHABILITATION AND RESTORATION NEUROLOGY</b>	
<b>GENERAL INFORMATION</b>	
Course coordinator	Professor Silva Butković Soldo, MD, PhD
Assistant/Associate	Professor Davor Jančuljak, MD, PhD Assistant Professor Krunoslav Buljan, MD, PhD Assistant Professor Sanja Tomasović, MD, PhD Assistant Professor Stjepn Jurić, MD, PhD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Elective
Year of study, semester	4th year, 8th semester
ECTS	<b>2</b>
Workload (hours)	Seminars (25)
Expected number of students	30
<b>COURSE DESCRIPTION</b>	
<b>Course objectives</b>	
<p>The aim of the course is to enable students to acquire basic knowledge in the field of neurorehabilitation based on scientific and professional guidelines of evidence-based medicine. Provide students with an insight into the creation and application of a multidisciplinary, individual neurorehabilitation methodology that aims to remove and/or alleviate the consequences of disorders or diseases, i.e. the establishment of a lost ability and the development of a new one. During the course, special attention will be focused on the psychosocial aspect of neurorehabilitation with the aim of preventing discrimination of people with physical and mental disorders compared to healthy people, as well as preserving their autonomy.</p>	
<b>Enrolment requirements and entry competencies</b>	
Attended and passed all exams of the previous year of study and completed the compulsory Neurology course.	
<b>Learning outcomes at the Programme level</b>	
<b>1.1.; 1.2.; 2.1.; 2.2.; 2.3; 3.1.; 3.3.; 3.5.; 4.2</b>	
<b>Learning outcomes (5-10)</b>	
<p>After listening seminars, independent learning and passing the exam students will be able to:</p> <ol style="list-style-type: none"> <li>1. Differentiate and critically judge the basic principles and type of neurorehabilitation and the algorithm of therapeutic procedures and present them to the patient in an argumentative manner</li> <li>2. Predict the appropriate prognosis of the disease and analyze the course, effects and outcomes of treatment and evaluate ethical and psychosocial issues of patient care</li> <li>3. Recognize neurorehabilitation diagnostic methods in accordance with the principles of evidence-based medicine</li> <li>4. Present the method of managing diagnostic and therapeutic procedures and monitoring patients in accordance with appropriate procedures (algorithms)</li> <li>5. Manage patient medical documentation and neurorehabilitation assessments</li> <li>6. Participate in team, interdisciplinary and multidisciplinary clinical work in neurorehabilitation and demonstrate good communication skills with the patient, his companions and staff.</li> </ol>	
<b>Course content</b>	
<b>Seminars</b>	

Introduction to neurorehabilitation; Basic postulates and dynamics of neurorehabilitation; New trends in neurorehabilitation; Algorithms and evaluation of results neurorehabilitation process; Neurorehabilitation in everyday clinical practice; Neurorehabilitation of people with neuromuscular diseases; Neurorehabilitation in patients with cerebrovascular diseases; Neurorehabilitation in patients with dementia, otoneurorehabilitation; Neurorehabilitation process in patients with epilepsy; Neurorehabilitation in people with headaches; Neurorehabilitation of patients with Parkinson's disease.

#### Mode of teaching

Seminars

#### Student obligations

Attending all forms of classes is mandatory, and the student must access all knowledge checks. The student can justifiably miss out on 30% of each of the forms of teaching. Missed practical must be colloquiated.

#### Monitoring student work (*alignment of learning outcomes, teaching methods and grading*)

Teaching activity	ECTS	Learning outcome	Student activity	Assessment methods	Grade points	
					Min.	Max.
Seminars(Course attendance)	1	1-6	Preparation of seminar work	Presentation/Essay	30	60
Final exam	1	1-6	Learning for an oral exam	Oral exam	20	40
<b>Total</b>	<b>2</b>				<b>50</b>	<b>100</b>

*Evaluation od final exam:*

Student answer	Grade points
The answer meets the minimum criteria	15.0
The average answer with noticeable errors	20.0
The very good answer with minor errors	25.0
The exceptional answer	30.0

*Calculation of final grade:*

Students who achieve 20 or more points in the final exam, points earned during the course are added. Since the study program schedule descriptive assessment of elective courses, the course leader awards the grade "passed" to a student who achieves 50 or more grade points in the course.

#### Required reading (available in the library and through other media)

Title	Number of Copies in the library	Availability through other media
1. Neurorehabilitacija i restauracijska neurologija. Silva Butković Soldo. Medicinski fakultet Sveučilišta J.J. Strossmayera u Osijeku; Osijek, 2013.	15	

#### Additional reading

1. Neurologija za medicinare, drugo, obnovljeno i dopunjeno izdanje. Vesna Brinar i suradnici. Medicinska naklada, 2019.

#### Course evaluation procedures

Anonymous, quantitative, standardized student survey on predm the work of teachers by the Office for the quality of the Faculty of Medicine Osijek.

**Note /Other**

E-learning does not fall within the norm of subject hours, but is used in teaching and contains links to different pages, videos and audio materials available on websites.