

HOW DOES A NERVE LIVE?	
GENERAL INFORMATIONS	
Course coordinator	Professor Silva Butković Soldo, MD, PhD
Assistant/Associate	Assistant Professor Antonija Krstačić, MD, PhD Assistant Professor Ilijan Tomaš, MD, PhD Anamarija Soldo Koruga, MD Lidija Knežević Poljak, MD Jelena Šarić Jurić, MD
Study Programme	Integrated undergraduate and graduate university study of Medicine
Status of the course	Elective
Year of study, semester	4th year, 8th semester
ECTS	2
Workload (hours)	Lectures (2); Seminars (16); Exercises (7)
Expected number of students	30
COURSE DESCRIPTION	
Course objectives	
<p>The main aim of this course is to introduce students to and acquire basic knowledge about the neuroanatomical and neurophysiological bases of neuromuscular diseases and diseases and injury to the peripheral nervous system. Through seminars and practical exercises, students will be able to go through the entire algorithm of early recognition of clinical characteristics, diagnostic processing, treatment and neurorehabilitation of patients with the mentioned diseases and impairments. Also through exercises in during the practicum, they will learn the basics of working in an electromyoneurography laboratory.</p>	
Enrolment requirements and entry competencies	
Attended and passed all exams from the previous year of study.	
Learning outcomes at the Programme level	
1.1.; 1.2.; 2.1.; 2.2.; 2.3; 3.1.; 3.3.; 3.5.; 4.2	
Learning outcomes (5-10)	
<p>After listening lectures, seminars and practicals, independent learning and passing the exam students will be able to:</p> <ol style="list-style-type: none"> 1. Describe the neuroanatomical and neurophysiological bases of neuromuscular diseases and diseases and injury of the peripheral nervous system 2. Recognize and describe the basic clinical manifestations and symptoms of the mentioned groups of diseases and disorders 3. Recommend the necessary diagnostic workup for people with cognitive impairment 4. Recommend a further therapeutic algorithm 5. Recommend methods of prevention and neurorehabilitation based on the evaluation of the clinical picture, results of diagnostic processing and agreement with the patient, in cooperation with other members of the multidisciplinary team 	
Course content	
Lectures	
Structure and function of the peripheral nerve.	
Seminars	

Symptoms of diseases of the peripheral nervous system; Diabetic neuropathy; Myasthenia gravis and LEMS; Focal neuropathies: carpal tunnel syndrome and Bell's palsy; Muscle diseases-myopathy; Paraneoplastic syndromes in neurology; Neurorehabilitation; Repetition and patient case reports.

Exercises:

Basics of work in the EMNG laboratory; Focal neuropathies in the EMNG laboratory; Practical basis of neurorehabilitation; Repetition and patient case reports.

Mode of teaching

Lectures; Seminars; Exercises

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.
Lectures	0,5	1-5	Presence on the Course	Log evidence	5	15
Seminars	0,5	1-5	Preparation of seminar work	Presentation/Essay	15	25
Exercises	0,5	1-5	Presence and active participation on exercises	Exercises diary	15	30
Final exam	0,5	1-5	Learning for an oral exam	Oral exam	15	30
Total	2				50	100

Evaluation of final exam:

Student answer	Grade points
The answer meets the minimum criteria	18.0
The average answer with noticeable errors	24.0
The very good answer with minor errors	30.0
The exceptional answer	36.0

Calculation of final grade:

Students who achieve 15 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. Kako živac živi? Odabrane teme iz područja neuromuskularnih bolesti. Silva Butković Soldo, Ervina Bilić. Medicinski fakultet Sveučilišta J.J. Strossmayera u Osijeku, Osijek, Zagreb 2009.	20	
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.		