2025/2026

Univerza v Mariboru
Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Ime predmeta:	**Nevrologija**
Course title:	**Neurology**

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Splošna medicina, enovit magistrski študijski program		Četrti	7.
General medicine, Uniform master's degree study program		Fourth	7th

Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective)	obvezni compulsory
Univerzitetna koda predmeta / University course code:	

Predavanja Lectures	Seminar Seminar	Vaje Tutorial			Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
		AV	LV	RV				
45	45				20		100	7

Nosilec predmeta / Course coordinator:	**red. prof. dr. Tanja Hojs Fabjan**

Jeziki /Languages:	**Predavanja / Lectures:**	slovenski/slovene
	Vaje / Tutorial:	slovenski/slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites for enrolling in the course or for performing study obligations:**

Vsebina (kratek pregled učnega načrta):	**Content (syllabus outline):**
Študent spozna praktični pristop k nevrološkemu bolniku, nevrološko preiskavo, teoretične osnove, ki pomagajo pri postavljanju diagnoze, anatomsko in patološko diagnozo ter posebne preiskovalne metode. Na osnovi naučene nevrološke preiskave in drugih sodobnih metod se uči prepoznavanja najpogostejših nevroloških simptomov in bolezni: možganskožilnih bolezni, njihove dejavnike tveganja, zdravljenje in preprečevanje, znake zvišanega intrakranialnega tlaka – ekspanzivne procese, epilepsijo, dimielinizirajoče bolezni osrednjega živčevja, bolezni gibanja (ekstrapiramidne motnje), bolezni motorične ploščice, živčno-mišične bolezni, bolezni hrbtenjače, bolezni	The student becomes aware of the empirical access to a neurological patient, neurological investigation, theoretical basis, which help to form the diagnosis, anatomical and pathological diagnosis and special investigation methods. On the basis of the learned neurological investigation and other modern methods he/she learns to recognize the most common neurological symptoms and diseases: cerebrovascular diseases, their risk factors, therapy and prevention, signs of elevated intracranial pressure – expansive processes, epilepsy, demielinating disease of the central nervous system, movement disorders (extrapyramidal disorders), neuromuscular junction

perifernih živcev, degenerativne bolezni živčnega sistema, glavobol in različne nevralgije, demenco nevrološkega izvora, infekcije živčevja, poškodbe osrednjega živčevja. Prav tako spoznava nevrološke aspekte pri zastrupitvah, boleznih zasvojenosti in različnih psihiatričnih bolezni.	diseases, neuro – muscular diseases, diseases of the spinal cord, diseases of the peripheral nerves, neurodegenerative diseases, headache and different neuralgias, dementia, infections of the nervous system, trauma of the central nervous system. He/she recognizes also neurological aspects of poisoning, disorders of abuse and various psychiatric diseases.

Temeljni literatura in viri / Reading materials:

- T.J. Fowler, John W Scadding, Nick Losseff. Clinical neurology. (2003,2011).
- Lavrič A, ur.: Janko M. Klinična nevrološka preiskava, Medicinski razgledi, Ljubljana, 1996, (osnovni pripomoček za vaje).

Dopolnilna literatura

- Mathia Baehr, Michael Frotscher. Duus' Topical diagnosis in Neurology (1997, 2012).

Cilji in kompetence:	**Objectives and competences:**
Iz predkliničnih predmetov študent povezuje znanja iz patofiziologije, patologije, anatomije in se uči spoznati motnje v delovanju živčevja. Poleg nevrološke preiskave spozna različne diagnostične metode v nevrologiji, njihove prednosti in omejitve, spozna naravo nevroloških okvar in bolezni, predvsem tistih, ki jih kot zdravnik splošne prakse najpogosteje srečuje, njihovo zdravljenje in preprečevanje.	The student links knowledge from preclinical subjects pathophysiology, pathology, anatomy and he/she learns how to recognize a disorder in the functions of the nervous system. Besides neurological investigation he/she recognizes various diagnostic methods in neurology, their advantages and disadvantages; he/she recognizes the nature of the neurological disorders and diseases, especially those, a doctor of a general practice meets, their therapy and prevention.

Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: Razumevanje patofizioloških mehanizmov najpogostejših nevroloških bolezni in sindromov. Znanje (vključno o urgenci) nevroloških stanj, ki jih zdravnik splošne medicine najpogosteje srečuje. Prenesljive/ključne spretnosti in drugi atributi: Obvladovanje nevrološkega statusa. Sposobnost aktivnega vključevanja v različne projekte.	Knowledge and Understanding: Understanding the pathophysiology of the most frequent neurological diseases and syndromes. Knowledge (including of the urgency) of neurological diseases, that a doctor of general practice the most frequently meets. Transferable/Key Skills and other attributes: The proficiency of the neurological investigation. The ability of active participation in different projects.

Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja. Vaje. Seminarji**.**	Lectures. Practices. Seminars.

Načini ocenjevanja:	Delež (v %) / Share (in %)	**Assessment methods:**
Način (pisni izpit, **ustno izpraševanje**, naloge, projekt)		Type (examination, oral, coursework, project):

izpit (**opravljen seminar pogoj za pristop k izpitu, 80 % prisotnost na seminarjih**): praktični in teoretični del izpita (oba dela sta enakovredna in brez opravljenega praktičnega dela ni možen pristop k teoretičnemu delu izpita) ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: - POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA: -	**100 %**	Exam (completed seminar is a condition for approach to exam, 80 % attedance at seminar): practical and theoretical exam. Each counts as 50% to final grade. Passed practical exam is required for approach to theoretical exam. ACADEMIC OBLIGATIONS OF STUDENTS: - REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING:-

Reference nosilca / Course coordinator's references:

Reference nosilca / Lecturer's references:

HOJS-FABJAN, Tanja, PENKO, Meta, HOJS, Radovan. Anemia on admission and long-term mortality risk in patients with acute ischemic stroke. *Advances in Clinical and Experimental Medicine*. 2019, vol. 28, no. 10, str. 1419-1424, ilustr. ISSN 2451-2680. http://www.advances.umed.wroc.pl/pdf/2019/28/10/1419.pdf, DOI: 10.17219/acem/104540. [COBISS.SI-ID 6801471]

KARAKATIČ, Sanja, MAGDIČ, Jožef, KARAKATIČ, Sašo, OMERZU, Tomaž, MODRIČ, Evgenija, HOJS-FABJAN, Tanja. Diagnostic relevance of free light chain indices and their relation to the clinical presentation of multiple sclerosis = Vloga indeksov prostih lahkih verig pri diagnozi multiple skleroze in njihova povezava s kliničnimi znaki. *Acta medico-biotechnica : AMB*. [Tiskana izd.]. 2020, vol. 13, [no.] 1, str. 23-32, ilustr. ISSN 1855-5640. https://journals.um.si/index.php/amb/article/view/1602, https://dk.um.si/IzpisGradiva.php?id=83695, http://www.dlib.si/details/URN:NBN:SI:doc-50V9OOMT, https://dk.um.si/IzpisGradiva.php?id=83695, DOI: 10.18690/actabiomed.192. [COBISS.SI-ID 20504067]

BERGER, Thomas, ADAMCZYK-SOWA, Monika, CSEPANY, Tunde, FAZEKAS, Franz, HOJS-FABJAN, Tanja, HORÁKOVÁ, Dana, HORVAT, Alenka, ILLES, Zsolt, KOBELT, Gisela, ŠEGA, Saša, et al. Factors influencing daily treatment choices in multiple sclerosis : practice guidelines, biomarkers and burden of disease. *Therapeutic advances in neurological disorders*. Jan./Dec. 2020, vol. 13, str. 1-10, ilustr. ISSN 1756-2864. https://doi.org/10.1177/1756286420975223, https://journals.sagepub.com/doi/full/10.1177/1756286420975223, DOI: 10.1177/1756286420975223. [COBISS.SI-ID 46628099]

MAGDIČ, Jožef, CMOR, Nino, KAUBE, Matevž, HOJS-FABJAN, Tanja, HAUER, Larissa, SELLNER, Johann, PIKIJA, Slaven. Intracranial vertebrobasilar calcification in patients with ischemic stroke is a predictor of recurrent stroke, vascular disease, and death : a case-control study. *International journal of environmental research and public health*. [Online ed.]. 2020, vol. 17, iss. 6, str. [1]-16, ilustr. ISSN 1660-4601. https://www.mdpi.com/1660-4601/17/6/2013, https://doi.org/10.3390/ijerph17062013, DOI: 10.3390/ijerph17062013. [COBISS.SI-ID 6989887]

ŠTERN, Biljana, ZALETEL-KRAGELJ, Lijana, HOJS-FABJAN, Tanja. Impact of sense of coherence on quality of life in patients with multiple sclerosis. *Wiener klinische Wochenschrift*. [Online ed.]. Mar. 2021, vol. 133, issue 5/6, str. 173-181. ISSN 1613-7671. https://link.springer.com/content/pdf/10.1007/s00508-020-01704-y.pdf, https://doi.org/10.1007/s00508-020-01704-y, DOI: 10.1007/s00508-020-01704-y. [COBISS.SI-ID 23270147]

OMERZU, Tomaž, MAGDIČ, Jožef, HOJS, Radovan, POTOČNIK, Uroš, GORENJAK, Mario, HOJS-FABJAN, Tanja. Subclinical atherosclerosis in patients with relapsing-remitting multiple sclerosis. *Wiener klinische Wochenschrift*. [Online ed.]. 2021, vol. , issue , [v tisku][8 str.]. ISSN 1613-7671. https://doi.org/10.1007/s00508-021-01862-7, https://link.springer.com/article/10.1007%2Fs00508-021-01862-7, DOI: 10.1007/s00508-021-01862-7. [COBISS.SI-ID 61634563]

GSELMAN, Saša, HOJS-FABJAN, Tanja, BIZJAK, Anja, POTOČNIK, Uroš, GORENJAK, Mario. Cholecalciferol supplementation induced up-regulation of SARAF gene and down-regulated miR-155-5p expression in Slovenian patients with multiple sclerosis. *Genes*. 2023, vol. 14, issue 6, [article no.] 1237, str. [1]-12, ilustr. ISSN 2073-4425. https://www.mdpi.com/2073-4425/14/6/1237, https://doi.org/10.3390/genes14061237, DOI: 10.3390/genes14061237. [COBISS.SI-ID 155442179]