Univerza v Mariboru

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION	
Predmet:	**Izbrane vsebine in novosti v nevrologiji**
Subject Title:	**Selected Topics and Novelties in Neurology**

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Dentalna medicina/Dental medicine 2. stopnja/2nd cycle		**četrti**	**7**

Vrsta predmeta / Course type　　　　　　Izbirni/Elective

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje Clinical training	Druge oblike študija Other forms of study	Samost. delo Individual work	ECTS
5	**40**				**45**	**3**

Nosilec predmeta / Lecturer:　　　　**Red. prof. dr. Tanja Hojs Fabjan**

Jeziki / Languages:	Predavanja / Lecture:	slovenščina/slovene
	Vaje / Tutorial:	

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:

Prerequisits:

Vsebina:

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 pritiska – ekspanzivne procese, epilepsijo, demielinizirajoče bolezni osrednjega živčevja, bolezni gibanja (ekstrapiramidne motnje), bolezni motorične ploščice, živčno – mišične bolezni, bolezni hrbtenjače, bolezni perifernih živcev, degenerativne bolezni živčnega sistema, glavobol in različne nevralgije, demenco nevrološkega izvora, infekcije živčevja, poškodbe osrednjega živčevja. Poudarek je na znanjih o prizadetosti v področju možganskih živcev in glave.

Content (Syllabus outline):

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 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. The emphasis is on the knowledge of disorders in the area of the brain's nerves and the head.

Temeljni literatura in viri / Textbooks:

- Clinical Neurology (Fowler, Scadding, Losseff, Scadding; 2003, 2011),
- Topical Diagnosis in Neurology (Duus; 1997,2012)
- Klinična nevrološka preiskava (Lavrič;2007)

Dodatna literatura:

- Neurological Examination Made Easy(Fuller; 2004)
- Clinical neurology, C.D. Marsden, T.J. Fawler, Edvard Arnold, 1989.

Univerza v Mariboru

Cilji:

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 zdravnik splošne prakse najpogosteje srečuje, njihovo zdravljenje in preprečevanje.

Objectives:

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:

Znanje in razumevanje:
Razumevanje patofizioloških mehanizmov najpogostejših nevroloških bolezni in sindromov. Študent bo sposoben prepoznati urgentna nevrološka stanja in bo sposoben ukrepati v sklopu kompetenc stomatologa.

Prenesljive/ključne spretnosti in drugi atributi:
Obvladovanje nevrološkega statusa.
Sposobnost aktivnega vključevanja v različne projekte.

Intended learning outcomes:

Knowledge and Understanding:
Understanding the pathophysiology of the most frequent neurological diseases and syndromes. Knowledge symptoms and signs of neurological diseases.
He will be able identify urgent neurological conditions and he will be able to act within competence of a dentist.

Transferable/Key Skills and other attributes:
The proficiency of the neurological investigation.
The ability of active participation in different projects

Metode poučevanja in učenja:

Predavanja
Seminarji

Learning and teaching methods:

Lectures
Seminars

Delež (v %) /
Weight (in %)

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	100 %	Type (examination, oral, coursework, project):
Izpit: **ustni**		Exam: **oral**
ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: - Aktivno sodelovanje-seminar		ACADEMIC OBLIGATIONS OF STUDENTS:- seminar,
POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA: -opravljen seminar		REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: -- to pass seminar

Reference nosilca / Lecturer's references:

1. 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

2. 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.

3. 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.

4 **HOJS-FABJAN, Tanja**. Multipla skleroza in novosti zdravljenja = Multiple sclerosis and treatment novelty. V: HOJS, Radovan (ur.), PAHOR, Artur (ur.), SKOK, Pavel (ur.). *31. srečanje internistov in zdravnikov družinske medicine Iz prakse za prakso : zbornik predavanj in praktikum : Maribor, 20. in 21. maj 2022*. Maribor: Univerzitetni klinični center, 2022. Str. 63-68. ISBN 978-961-6909-48-8.

5.**HOJS-FABJAN, Tanja**, GSELMAN, Saša. Diagnostični in terapevtski izzivi obravnave bolnikov z multiplo sklerozo = Diagnostic and therapeutic challenges in management of multiple sclerosis patients. V: HOJS-FABJAN, Tanja (ur.), RAKUŠA, Martin (ur.), MAGDIČ, Jože (ur.). *50 let Oddelka za nevrološke bolezni*. Maribor: Univerzitetni klinični center, 2022. Str. 31-36. ISBN 978-961-7039-68-9. [

6. 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.