

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		četrty	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, dr. med.

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

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

Vsebina:	Content (Syllabus outline):
<p>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 hrbtnjače, 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.</p>	<p>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, demyelinating 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.</p>

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. Fowler, Edvard Arnold, 1989.

Cilji: **Objectives:**

<p>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.</p>	<p>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.</p>
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Predvideni študijski rezultati:**Intended learning outcomes:**

<p>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.</p> <p>Prenesljive/ključne spretnosti in drugi atributi: Obvladovanje nevrološkega statusa. Sposobnost aktivnega vključevanja v različne projekte.</p>	<p>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.</p> <p>Transferable/Key Skills and other attributes: The proficiency of the neurological investigation. The ability of active participation in different projects</p>
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Metode poučevanja in učenja:**Learning and teaching methods:**

<p>Predavanja Seminarji</p>	<p>Lectures Seminars</p>
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**Delež (v %) /
Weight (in %)**

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

<p>BEYOND Study Group, O'CONNOR, Paul, FILIPPI, Massimo, ARNASON, Barry, ŠEGA, Saša, HOJS-FABJAN, Tanja. 250 [micro]g or 500 [micro]g interferon beta-1b versus 20 mg glatiramer acetate in relapsing-remitting multiple sclerosis. <i>Lancet neurol. (Print)</i>, 2009, vol. 8, issue 10, str. 889-897</p> <p>LIZROVA PREININGEROVA, Jana, BAUMHACKL, Ulf, CSEPANY, Tunde, CZAPLINSKI, Adam, DEISENHAMMER, Florian, DERFUSS, Tobias, HOJS-FABJAN, Tanja, FAZEKAS, Franz, FUCHS, Siegrid, HAVRDOVA, Eva, HORVAT-LEDINEK, Alenka, ILLES, Zsolt, ŠEGA, Saša, KLIMOVA, Eleonora, KOMOLY, Samuel, KURČA, Egon, LINNEBANK, Michael, LISY, Lubomir, MARES, Jan, PROCHAZKOVA, Lubica, CSILLA, Rozsa, SZILASIOVA, Jarmila, STOURAC, Pavel, TALAB, Radomir, TURČANI, Peter, VACHOVA, Marta, VECSEI, Laszlo, VODUŠEK, David B., ZAPLETALOVA, Olga, BERGER, Thomas. Recommendations for the use of prolonged-release fampridine in patients with multiple sclerosis (MS). <i>CNS neurosci. ther. (Print)</i>, May 2013, vol. 19, iss. 5, str. 302-306.</p> <p>Pikija, Slaven, Magdič Jožef, Hojs Fabjan Tanja. Calcifications of Vertebrobasilar Arteries on CT: Detailed Distribution and Relation to Risk Factors in 245 Ischemic Stroke Patients. <i>Biomed Res Int</i>, 2013, vol. 2013, str. [1]-7,</p> <p>HOJS FABJAN Tanja, Hojs Radovan. Stroke and renal dysfunction. <i>European Journal of Internal Medicine</i>, 2013</p> <p>FAZEKAS, Franz, BERGER, Thomas, HOJS-FABJAN, Tanja, HORVAT-LEDINEK, Alenka, GÁBOR, Jakab, KOMOLY, Samuel, KRAUS, Jörg, KURČA, Egon, KYRIAKIDES, Theodoros, LISY, Lubomir, MILANOV, Ivan, PANAYIOTOU, Panayiotis, ŠEGA, Saša, TALAB, Radomir, TRAYKOV, Latchezar, TURČANI, Peter, VASS, Karl, VELLA, Norbert,</p>

- HAVRDOVA, Eva. Fingolimod in the treatment algorithm of relapsing remitting multiple sclerosis : a statement of the Central and East European (CEE) MS Expert Group. *Wien. med. Wochenschr.* (1946), 2012, [Vol.] 162, [no.] [15/16], str. 354-366.
- PENKO, Meta, **HOJS-FABJAN, Tanja**, BEVC, Sebastjan, KANIČ, Vojko, HOJS, Radovan. A prospective study about impact of renal dysfunction and morbidity and mortality on cardiovascular events after ischemic stroke. *Cardiol. J. (Print)*, 2013
- HOJS-FABJAN, Tanja**, PENKO, Meta, HOJS, Radovan. Cystatin C, creatinine, estimated glomerular filtration, and long-term mortality in stroke patients. *Ren. fail.*, 2013
- HOJS-FABJAN, Tanja**. Predicting short-term (30-day) mortality in patients with ischemic stroke using the baseline score of the National Institutes of Health Stroke Scale = Lestvica NIHSS (National Institutes of Health Stroke Scale) in kratkoročna (30-dnevna) umrljivost bolnikov z ishemično možgansko kapjo. *Acta medico-biotechnica*, 2012, vol. 5, no. 1, str. 46-53.
- FAZEKAS, Franz, BAJENARU, Ovidiu, BERGER, Thomas, **HOJS-FABJAN, Tanja**, HORVAT-LEDINEK, Alenka, GÁBOR, Jakab, KOMOLY, Samuel, KOBYS, Tetiana, KRAUS, Jörg, KURČA, Egon, KYRIAKIDES, Theodoros, LISY, Lubomir, MILANOV, Ivan, NEHRYPCH, Tetyana, MOSKOVKO, Sergii, PANAYIOTOU, Panayiotis, ŠEGA, Saša, SOKOLOVA, Larysa, TALAB, Radomir, TRAYKOV, Latchezar, TURČÁNI, Peter, VASS, Karl, VELLA, Norbert, VOLOSHYNÁ, Nataliya, HAVRDOVA, Eva. How does fingolimod (gilenya) fit in the treatment algorithm for highly active relapsing-remitting multiple sclerosis?. *Frontiers in Neurology*. [Online ed.], May 2013, vol. 4, article 10, str. 1-14.
- HOJS-FABJAN, Tanja**, HOJS, Radovan. Polyneuropathy in hemodialysis patients: The most sensitive electrophysiological parameters and dialysis adequacy. *Wien. klin. Wochenschr., Suppl.*, 2006, jg. 118, suppl. 2, str. 29-34.
- International Stroke Trial Collaborative Group, GRAD, Anton, MEGLIČ, Bernard, ŠVIGELJ, Viktor, **HOJS-FABJAN, Tanja**. The international stroke trial (IST): a randomized trial of aspirin, subcutaneous heparin, both, or neither among 19 435 patients with acute ischaemic stroke. *Lancet (Br. ed.)*. [Printed.], May 1997, vol. 349, no. 9065, str. 1569-1581.
- TOPMAT-MIG-303 investigators, DIENER, Hans-Christoph, AGOSTI, Reto, ALLAIS, Gianni, BERGMANS, Paul, BUSSONE, Gennaro, DAVIES, Brendan, ERTAS, Mustafa, LANTERI-MINET, Michel, REUTER, Uwe, SÁNCHEZ DEL RÍO, Margarita, SCHOENEN, Jean, SCHEALEN, Susanne, VAN OENE, Joop, POGAČNIK, Tomaž, **HOJS-FABJAN, Tanja**. Cessation versus continuation of 6-month migraine preventive therapy with topiramate (PROMPT): a randomised, double-blind, placebo-controlled trial. *Lancet neurol. (Print)*, Dec. 2007, vol. 6, no. 12, str. 1054-1062.