

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Predmet:	Izbrana poglavja iz psihiatrije
Course title:	Selected Topics from Psychiatry

Študijski program in stopnja Study programme and level	Študijska smer Study field	Letnik Academic year	Semester Semester
Biomedicinska tehnologija/Biomedical Technology 3. stopnja/3rd Degree		2	3 ali 4

Vrsta predmeta / Course type

Izbirni/Elective

Univerzitetna koda predmeta / University course code:

Predavanja Lectures	Seminar Seminar	Vaje Tutorial	Klinične vaje work	Druge oblike študija	Samost. Delo Individ. Work	ECTS
15	20	10			105	5

Nosilec predmeta / Lecturer:

Doc. dr. Hojka Gregorič Kumperščak

Jeziki /

Predavanja / Lectures:

Slovenščina / Slovene

Languages:

Vaje / Tutorial:

Slovenščina / Slovene

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

Prerequisites:

Kandidat mora doseči 300 ECTS na predhodnem študiju.

Graduate degree 300 ECTS

Content (Syllabus outline):

1. Nevroznanost: uvod in pregled.
2. Principi kemične nevrottransmisije.
3. Receptorji in encimi kot cilji delovanja zdravil.
4. Kemična nevrottransmisija kot mediator bolezenskega delovanja.
5. Kvantitativne in eksperimentalne metode v psihiatriji.
6. Nevropsihiatrija in vedenjska nevrologija.
7. Klinične manifestacije psihiatričnih motenj.
8. Najnovejši klinični razvoj in nove teorije – genetske - pomembnih psihiatričnih motenj.
9. Shizofrenija. Depresija. Bipolarne motnje. Demence. Anksiozne motnje. Druge psihiatrične motnje. Samomor.
10. Principi kognitivne nevropsihiatrije.
11. Psihofarmakoterapija/biološke terapije.
12. Klinične novosti antidepresivne in antipsihotične terapije. Stabilizatorji razpoloženja. Kognitivni vzpodbujevalci. Novi anksiolitiki.
13. Psihiatrične motnje in somatska obolenja.
14. Pomen duševnega zdravja.
15. Genetika v psihiatriji

1. Neuroscience: introduction and overview.
2. Principles of chemical neurotransmission.
3. Receptors and enzymes as the targets of drug action.
4. Chemical neurotransmission as the mediator of disease actions.
5. Quantitative and experimental methods in psychiatry.
6. Neuropsychiatry and behavioural neurology.
7. Clinical manifestations of psychiatric disorders.
8. The most recent clinical developments and new – genetic - theories of important psychiatric disorders.
9. Schizophrenia. Depression. Bipolar disorders. Dementia. Other important psychiatric disorders. Suicide.
10. Principles of cognitive neuropsychiatry.
11. Psychopharmacotherapy/biological therapies. Clinical advances in antidepressant and antipsychotic therapy.
12. Mood stabilizers. Cognitive enhancers. New anxiolytics.
13. Psychiatric disorders and physical illnesses.
14. Importance of mental health.
15. Psychiatric genetics.

Temeljni literatura in viri / Readings:

- Kaplan's Comprehensive Textbook of Psychiatry. Sadock B, Sadock V (eds). 7 th ed. Philadelphia: Lippincott, Williams & Wilkins, 2000.
- Stahl SM. Essential Psychopharmacology. Neuroscientific Basis and Practical Advances. 2 nd ed. Cambridge: University Press, 2000.
- Tomori Martina, Ziherl Slavko (ur.). Psihiatrija. Ljubljana: Litterapicta: Medicinska fakulteta, 1999.

Cilji in kompetence:

Psihiatrija kot biomedicinska veda postaja vse pomembnejša in se širi na druga medicinska področja. Študenti se bodo seznanili z novimi spoznanji nevrobiologije in nevrokemije, ki služijo kot osnova za razumevanje psihiatričnih motenj, s teorijami kognitivne nevroznanosti in novimi kliničnimi spoznanji o psihiatričnih motnjah ter načinu njihovega zdravljenja. Naučili se bodo opazovanja problemov iz različnih vidikov, in integrirati psihično in telesno funkcioniranje.

Predvideni študijski rezultati:

Znanje in razumevanje:

najpomembnejših psihiatričnih motenj, njihovo zdravljenje in raziskovanje teh motenj

Prenesljive/ključne spretnosti in drugi atributi:

implementacij teh znanj v raziskovanje in na druga medicinska področja.

Metode poučevanja in učenja:

- predavanja
- seminarji
- vaje
- individualno delo s študenti
- projektno učenje

Objectives and competences:

Psychiatry as biomedical science is more and more important with its expansion into the other medicine fields. Students will learn about new advances in neurobiology and neurochemistry, which are necessary for the understanding of psychiatric disorders, and about clinical advances in neurocognition, with recent clinical developments for explaining the concepts of psychiatric disorders and their pharmacological treatment. Student will learn how to assess problems from different perspectives and how to integrate mind and body functioning.

Intended learning outcomes:

Knowledge and understanding:

of most important psychiatric disorders, their pharmacological treatment and research of these disorders

Transferable/Key Skills and other attributes:

implementation of this knowledge into research and into other branches of medicine

Learning and teaching methods:

- lectures
- seminars
- tutorial
- individual work with students
- project learning

Načini ocenjevanja:

Seminarska naloga 70%
Pisni izpit 30%

Delež (v %) /

Weight (in %)

Assessment:

seminar work 70%
writing exam 30%

Reference nosilca / Lecturer's references:

GREGORIČ KUMPERŠČAK, Hojka, KRGOVIČ, Danijela, KOKALJ-VOKAČ, Nadja. Specific behavioural phenotype and secondary cognitive decline as a result of an 8.6 Mb deletion of 2q32.2q33.1. JIMR on-line, ISSN 1473-2300, 2016, vol. 44, issue 2, str. 395-402, ilustr. <http://journals.sagepub.com/doi/pdf/10.1177/0300060515595651>, doi: 10.1177/0300060515595651. [COBISS.SI-ID 5609791], [JCR, SNIP, WoS do 26. 3. 2017: št. citatov (TC): 1, čistih citatov (CI): 1, Scopus do 29. 10. 2018: št. citatov (TC): 2, čistih citatov (CI): 2]

GREGORIČ KUMPERŠČAK, Hojka, KLARER REBEC, Živa, SOBOČAN, Sanja, T. FRAS, Valerija, DOLINŠEK, Jernej. Prevalence of celiac disease is not increased in ADHD sample. Journal of attention disorders, ISSN 1557-1246, 2016, vol. , no. , str. [1]-5. <http://journals.sagepub.com/doi/pdf/10.1177/1087054716666953>, doi: 10.1177/1087054716666953. [COBISS.SI-ID 5790783], [JCR, SNIP]

GREGORIČ KUMPERŠČAK, Hojka, DOLŽAN, Vita, VIDETIČ PASKA, Alja, KORES-PLESNIČAR, Blanka. Polymorphisms in genes encoding the serotonin and dopamine pathways in two sisters with metachromatic leukodystrophy. Journal of international medical research, ISSN 0300-0605, 2008, letn. 36, str. 1123-1128. [COBISS.SI-ID 24674777], [JCR, SNIP, WoS do 10. 9. 2013: št. citatov (TC): 1, čistih citatov (CI): 1, Scopus do 21. 5. 2017: št. citatov (TC): 4, čistih citatov (CI): 4]

BUNDERLA, Teja, GREGORIČ KUMPERŠČAK, Hojka. Opis značilnosti in funkcij samopoškodovalega vedenja brez samomorilnega namena in njegova povezava s hlepenjem, impulzivnostjo in anksioznostjo v vzorcu strokovno obravnavanih slovenskih mladostnikov = A description of features and functions of nonsuicidal self-injury and its correlation with craving, impulsivity and anxiety in a sample of professionally treated Slovene adolescents. Zdravniški vestnik : glasilo Slovenskega zdravniškega društva, ISSN 1318-0347. [Tiskana izd.], nov. 2015, letn. 84, št. 11, str. 717-726, ilustr. <http://vestnik.szd.si/index.php/ZdravVest/article/view/1374/1078>. [COBISS.SI-ID 5587263], [SNIP, Scopus

do 7. 1. 2016: št. citatov (TC): 0, čistih citatov (CI): 0]

KRGOVIČ, Danijela, KOKALJ-VOKAČ, Nadja, ZAGORAC, Andreja, GREGORIČ KUMPERŠČAK, Hojka. Rare structural variants in the DOCK8 gene identified in a cohort of 439 patients with neurodevelopmental disorders. *Scientific reports*, ISSN 2045-2322, 21. 6. 2018, [Vol.] 8, str. 1-7. <https://www.nature.com/articles/s41598-018-27824-0>, <https://doi.org/10.1038/s41598-018-27824-0>, doi: 10.1038/s41598-018-27824-0. [COBISS.SI-ID 6377279], [JCR, SNIP, WoS do 7. 7. 2018: št. citatov (TC): 0, čistih citatov (CI): 0, Scopus do 30. 6. 2018: št. citatov (TC): 0, čistih citatov (CI): 0]

GREGORIČ KUMPERŠČAK, Hojka, KORES-PLESNIČAR, Blanka, ZALAR, Bojan, GRADIŠNIK, Peter, ŠERUGA, Tomaž, PASCHKE, Eduard. Adult metachromatic leukodystrophy: a new mutation in the schizophrenia-like phenotype with early neurological signs. *Psychiatric genetics*, ISSN 0955-8829, 2007, vol. 17, no. 2, str. 85-91. [COBISS.SI-ID 2608959], [JCR, SNIP, WoS do 10. 3. 2016: št. citatov (TC): 8, čistih citatov (CI): 7, Scopus do 20. 6. 2018: št. citatov (TC): 15, čistih citatov (CI): 14]

GREGORIČ KUMPERŠČAK, Hojka. Psihotične motnje v adolescenci in njihova povezava z uživanjem prepovedanih drog = Psychotic disorders in adolescence and association with use of psychoactive substances. *Farmacevtski vestnik : strokovno glasilo slovenske farmacije*, ISSN 0014-8229. [Tiskana izd.], maj 2015, letn. 66, št. 2, str. 185-189. http://www.sfd.si/modules/catalog/products/prodfile/fv_22015_net.pdf. [COBISS.SI-ID 5364543], [SNIP, Scopus do 5. 7. 2015: št. citatov (TC): 0, čistih citatov (CI): 0]

BUNDERLA, Teja, GREGORIČ KUMPERŠČAK, Hojka. Altered pain perception in self-injurious behavior and the association of psychological elements with pain perception measures : a systematic review. *Psychiatria Danubina : an international multidisciplinary journal*, ISSN 0353-5053, 2015, vol. 27, no. 4, str. 346-354. http://www.hdbp.org/psychiatria_danubina/pdf/dnb_vol27_no4/dnb_vol27_no4_346.pdf. [COBISS.SI-ID 5563455], [JCR, SNIP, WoS do 2. 4. 2018: št. citatov (TC): 5, čistih citatov (CI): 5, Scopus do 28. 2. 2018: št. citatov (TC): 5, čistih citatov (CI): 5]

GREGORIČ KUMPERŠČAK, Hojka. Razdiralno vedenje otrok in mladostnikov kot možen simptom različnih duševnih motenj = Aggressive behaviour in children and adolescents as a possible symptom of different mental disorders. *Zdravniški vestnik : glasilo Slovenskega zdravniškega društva*, ISSN 1318-0347. [Tiskana izd.], dec. 2014, letn. 83, št. 12, str. 872-880. <http://vestnik.szdz.si/index.php/ZdravVest/article/view/1106/992>. [COBISS.SI-ID 5257279], [SNIP, Scopus do 10. 2. 2015: št. citatov (TC): 0, čistih citatov (CI): 0]

DROBNIČ RADOBUJAC, Maja, HUDOKLIN, Mateja, POTOČNIK DAJČMAN, Nataša, GREGORIČ KUMPERŠČAK, Hojka. Architecture and functioning of child and adolescent mental health services : a reply from Slovenia. *The Lancet, Psychiatry*, ISSN 2215-0374, Sep. 2017, vol. 4, no. 9, str. e20. [http://www.thelancet.com/pdfs/journals/lanpsy/PIIS2215-0366\(17\)30327-9.pdf](http://www.thelancet.com/pdfs/journals/lanpsy/PIIS2215-0366(17)30327-9.pdf). [COBISS.SI-ID 6097471], [JCR, SNIP, Scopus do 16. 9. 2017: št. citatov (TC): 0, čistih citatov (CI): 0]