



Univerza v Mariboru

Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta:	Nefrologija							
Course title:	Nephrology							
Študijski program in stopnja Study programme and cycle	Študijska smer Study option			Letnik Year of study	Semester Semester			
Biomedicinska tehnologija/3. stopnja				2	3 ali 4			
Biomedical Technology/3rd Degree								
Vrsta predmeta (obvezni ali izbirni) / Course type (compulsory or elective)				Izbirni Elective				
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
15	20	10					135	6
		AV	LV	RV				
Nosilec predmeta / Course coordinator:				Prof. dr. Radovan Hojs				
Jeziki /Languages:		Predavanja / Lectures:		Slovenščina/Slovene				
		Vaje / Tutorial:		Slovenščina/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):				
Uvod in individualno raziskovalno delo na področju nefrologije in dialize – poudarek na tehničnih možnostih oz. uporabi biotehnologije v diagnostiki bolezni, sledenju bolezenskih procesov, oceni prognoze, uporaba (bio)materialov v dializi, itd. Poudarek je na: - srčno žilne bolezni pri bolnikih s kronično ledvično odpovedjo (KLO), tudi končno - proces ateroskleroze pri bolnikih s KLO - kostne spremembe pri bolnikih s KLO - metabolizem mineralov pri bolnikih s KLO - glomerulna filtracija – ocenjevanje - arterijska hipertenzija pri bolnikih s KLO, vključno z zapleti				Introduction and individual research work in the field of nephrology and dialysis – with special emphasis on technical possibilities and use of biotechnology in diagnostics, evaluation and prognosis of diseases, and also use of different (bio)materials in dialysis, etc. Emphasis is on: - cardiovascular diseases in patients with chronic renal failure / disease (CRF) - atherosclerosis in patients with CRF - bone metabolism in patients with CRF - glomerular filtration rate – evaluation - arterial hypertension in patients with CRF (including complications)				

Temeljni literatura in viri / Reading materials:

- Brenner and Rector's The Kidney, 2-Volume Set, 10th Edition, 2015 Authors: Karl Skorecki & Glenn M. Chertow & Philip A. Marsden & Maarten W. Taal & Alan S. L. Yu https://www.eu.elsevierhealth.com/brenner-and-rectors-the-kidney-2-volume-set-9781455748365.html?gclid=EAlaIqobChMlIK_Mi4bt4QIViOd3Ch2-gApDEAAYASAAEgLnfd_BwE
- Oxford Textbook of Clinical Nephrology: 3-Volume Set includes a free CD containing the full contents of the book 3rd, Edition, 2008 by Alexander Davison (Editor), J. Stewart Cameron (Editor), Jean Pierre Grünfeld (Editor), Claudio Ponticelli (Editor), Eberhard Ritz (Editor), Christopher G. Winearls (Editor), Charles Van Ypersele (Editor) https://www.amazon.com/Oxford-Textbook-Clinical-Nephrology-containing/dp/0198508247/ref=dp_ob_title_bk
- Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 & Vol.2) 20th Edition, 2018 by J. Larry Jameson (Author), Anthony S. Fauci (Author), Dennis L. Kasper (Author), Stephen L. Hauser (Author), Dan L. Longo (Author), Joseph Loscalzo (Author) https://www.amazon.com/Harrisons-Principles-Internal-Medicine-Twentieth/dp/1259644030/ref=sr_1_1?keywords=Harrison%27s+Principles+of+Internal+Medicine&qid=1556257878&s=books&sr=1-1

Cilji in kompetence:	Objectives and competences:	
Spoznavanje in sposobnost raziskovanja na področju nefrologije in dialize z uporabo različnih tehnologij (npr. ultrazvok itd.), uporaba (bio)materialov	To realize and to be qualified in research in the field of nephrology and dialysis with the use of different technologies (ultrasound etc.), use of (bio)material	
Predvideni študijski rezultati:	Intended learning outcomes:	
Znanje in razumevanje: Poglobljeno znanje posameznega individualnega raziskovanja v nefrologiji in dializi z uporabo različnih tehnologij, razumevanje raznih tehnologij v diagnostiki, sledenju, prognozi in zdravljenju	Knowledge and understanding: To deepen the knowledge in different fields in nephrology and dialysis with the use of different technologies, also understanding of different technologies in diagnostics, evaluation, prognosis and treatment	
Prenosljive/ključne spretnosti in drugi atributi: individualno odvisno od raziskovalnega dela	Transferable/key competences and other abilities: dependent individually of research made	
Metode poučevanja in učenja:	Learning and teaching methods:	
Predavanja/konzultacije Seminar (seminarsko ali projektno vodenje učenja) Vaje Samostojno delo	Lectures/consultations Seminar or project assisted teaching Tutorial Individual work	
Načini ocenjevanja:	Delež (v %) / Share (in %)	Assessment methods:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Method (written or oral exam, coursework, project):
Seminar	100 %	Seminar work

Reference nosilca / Course coordinator's references:

EKART, Robert, BEVC, Sebastjan, HOJS, Nina, HOJS, Radovan. Derived subendocardial viability ratio and cardiovascular events in patients with chronic kidney disease. *Cardiorenal medicine*, ISSN 1664-5502, 2019, vol. 9, no. 1, str. 41-50, ilustr. <https://www.karger.com/Article/Abstract/493512>, <https://doi.org/10.1159/000493512>, doi: 10.1159/000493512. [COBISS.SI-ID 6622783], [JCR, SNIP, WoS do 23. 3. 2019: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 23. 3. 2019:

št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A2 (Z, A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 20.79, št. avtorjev: 4

HOJS-FABJAN, Tanja, PENKO, Meta, HOJS, Radovan. Newer glomerular filtration rate estimating equations for the full age spectrum based on serum creatinine and cystatin C in predicting mortality in patients with ischemic stroke. *European Journal of Internal Medicine*, ISSN 1879-0828. [Online ed.], 2018, vol. 52, str. 67-72, ilustr. <https://www.sciencedirect.com/science/article/pii/S0953620518300554?via%3Dihub>, <https://doi.org/10.1016/j.ejim.2018.02.005>, doi: 10.1016/j.ejim.2018.02.005. [COBISS.SI-ID 6386239], [JCR, SNIP, WoS do 10. 2. 2019: št. citatov (TC): 1, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0, Scopus do 29. 5. 2019: št. citatov (TC): 3, čistih citatov (CI): 2, čistih citatov na avtorja (CIAu): 0.67] kategorija: 1A1 (Z, A', A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 41.29, št. avtorjev: 3

VODOŠEK HOJS, Nina, EKART, Robert, BEVC, Sebastjan, PIKO, Nejc, HOJS, Radovan. CHA2DS2-VASc score as a predictor of cardiovascular and all-cause mortality in chronic kidney disease patients. *American journal of nephrology*, ISSN 1421-9670, 2021, [v tisku][str. 1-8], ilustr. <https://www.karger.com/Article/Abstract/516121>, <https://doi.org/10.1159/000516121>, doi: 10.1159/000516121. [COBISS.SI-ID 64368387], [JCR, SNIP, WoS do 27. 5. 2021: št. citatov (TC): 0, čistih citatov (CI): 0, čistih citatov na avtorja (CIAu): 0] kategorija: 1A1 (Z, A', A1/2); uvrstitev: SCI, Scopus, MBP; tip dela še ni verificiran točke: 20.56, št. avtorjev: 5