

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:

- 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
- 1.Loscalzo J, Fauci A, Kasper D, Hauser S, Longo D, Jameson J.L. Harrison's Principles of Internal Medicine (Vol.1 & Vol. 2). 21st ed. McGraw-Hill Education Ltd, 2022.
- 2.Spletni vir KDIGO (Kidney Disease: Improving Global Outcomes): <https://kdigo.org>
- HOJS, Radovan, EKART, Robert, BEVC, Sebastjan, VODOŠEK HOJS, Nina. Chronic kidney disease and obesity. Nephron journals. Nov. 2023, vol. 147, issue 11, str. 660-664. ISSN 2235-3186. <https://doi.org/10.1159/000531379>, <https://karger.com/nef/article/doi/10.1159/000531379/844557/Chronic-kidney-disease-and-obesity>, DOI: 10.1159/000531379. [COBISS.SI-ID 159142147], [

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):	
Seminarska naloga	100 %	Seminar paper	

Reference nosilca / Course coordinator's references:

HOJS, Radovan, EKART, Robert, BEVC, Sebastjan, VODOŠEK HOJS, Nina. Chronic kidney disease and obesity. Nephron journals. Nov. 2023, vol. 147, issue 11, str. 660-664. ISSN 2235-3186. <https://doi.org/10.1159/000531379>, <https://karger.com/nef/article/doi/10.1159/000531379/844557/Chronic-kidney-disease-and-obesity>, DOI: 10.1159/000531379. [COBISS.SI-ID 159142147]

EKART, Robert, VARDA, Luka, VODOŠEK HOJS, Nina, DVORŠAK, Benjamin, PIKO, Nejc, BEVC, Sebastjan, HOJS, Radovan. Early detection of arteriovenous fistula stenosis in hemodialysis patients through routine measurements of dialysis dose (Kt/V). Blood purification. 2022, vol. 51, no. 1, str. 15-22, ilustr. ISSN 1421-9735. <https://www.karger.com/Article/Abstract/514939>, DOI: 10.1159/000514939. [COBISS.SI-ID 69932291]

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