

UČNI NAČRT PREDMETA / COURSE SYLLABUS								
<b>Ime predmeta:</b>		<b>Nefrologija</b>						
<b>Course title:</b>		<b>Nephrology</b>						
<b>Študijski program in stopnja</b> <b>Study programme and cycle</b>		<b>Študijska smer</b> <b>Study option</b>		<b>Letnik</b> <b>Year of study</b>		<b>Semester</b> <b>Semester</b>		
Biomedicinska tehnologija/3. stopnja				2		3 ali 4		
Biomedical Technology/3rd Degree								
<b>Vrsta predmeta (obvezni ali izbirni) /</b> <b>Course type (compulsory or elective)</b>				Izbirni				
				Elective				
<b>Univerzitetna koda predmeta / University course code:</b>								
<b>Predavanja</b> <b>Lectures</b>	<b>Seminar</b> <b>Seminar</b>	<b>Vaje</b> <b>Tutorial</b>			<b>Klinične vaje</b> <b>Clinical training</b>	<b>Druge oblike študija</b> <b>Other forms of study</b>	<b>Samost. delo</b> <b>Individual work</b>	<b>ECTS</b>
15	20	10					135	6
		AV	LV	RV				
<b>Nosilec predmeta / Course coordinator:</b>		Prof. dr. Radovan Hojs						
<b>Jeziki /Languages:</b>		<b>Predavanja / Lectures:</b>		Slovenščina/Slovene				
		<b>Vaje / Tutorial:</b>		Slovenščina/Slovene				
<b>Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:</b>				<b>Prerequisites for enrolling in the course or for performing study obligations:</b>				
<b>Vsebina (kratek pregled učnega načrta):</b>				<b>Content (syllabus outline):</b>				
<p>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.</p> <p>Poudarek je na:</p> <ul style="list-style-type: none"> <li>- srčno žilne bolezni pri bolnikih s kronično ledvično odpovedjo (KLO), tudi končno</li> <li>- proces ateroskleroze pri bolnikih s KLO</li> <li>- kostne spremembe pri bolnikih s KLO</li> <li>- metabolizem mineralov pri bolnikih s KLO</li> <li>- glomerulna filtracija – ocenjevanje</li> <li>- arterijska hipertenzija pri bolnikih s KLO, vključno z zapleti</li> </ul>				<p>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.</p> <p>Emphasis is on:</p> <ul style="list-style-type: none"> <li>- cardiovascular diseases in patients with chronic renal failure / disease (CRF)</li> <li>- atherosclerosis in patients with CRF</li> <li>- bone metabolism in patients with CRF</li> <li>- glomerular filtration rate – evaluation</li> <li>- arterial hypertension in patients with CRF (including complications)</li> </ul>				

<b>Temeljni literatura in viri / Reading materials:</b>		
<p>Brenner and Rector's The Kidney, 2-Volume Set, 10th Edition, 2015 Authors: Karl Skorecki &amp; Glenn M. Chertow &amp; Philip A. Marsden &amp; Maarten W. Taal &amp; Alan S. L. Yu  <a href="https://www.eu.elsevierhealth.com/brenner-and-rectors-the-kidney-2-volume-set-9781455748365.html?gclid=EAlaIqobChMIk_Mi4bt4QIViOd3Ch2-gApDEAAYASAAEgLnfd_BwE">https://www.eu.elsevierhealth.com/brenner-and-rectors-the-kidney-2-volume-set-9781455748365.html?gclid=EAlaIqobChMIk_Mi4bt4QIViOd3Ch2-gApDEAAYASAAEgLnfd_BwE</a></p> <p>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) <a href="https://www.amazon.com/Oxford-Textbook-Clinical-Nephrology-containing/dp/0198508247/ref=dp_ob_title_bk">https://www.amazon.com/Oxford-Textbook-Clinical-Nephrology-containing/dp/0198508247/ref=dp_ob_title_bk</a></p> <p>Harrison's Principles of Internal Medicine, Twentieth Edition (Vol.1 &amp; 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) <a href="https://www.amazon.com/Harrisons-Principles-Internal-Medicine-Twentieth/dp/1259644030/ref=sr_1_1?keywords=Harrison%27s+Principles+of+Internal+Medicine&amp;qid=1556257878&amp;s=books&amp;sr=1-1">https://www.amazon.com/Harrisons-Principles-Internal-Medicine-Twentieth/dp/1259644030/ref=sr_1_1?keywords=Harrison%27s+Principles+of+Internal+Medicine&amp;qid=1556257878&amp;s=books&amp;sr=1-1</a></p>		
<b>Cilji in kompetence:</b>	<b>Objectives and competences:</b>	
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	
<b>Predvideni študijski rezultati:</b>	<b>Intended learning outcomes:</b>	
<b>Znanje in razumevanje:</b> Poglobljeno znanje posameznega individualnega raziskovanja v nefrologiji in dializi z uporabo različnih tehnologij, razumevanje raznih tehnologij v diagnostiki, sledenju, prognozi in zdravljenju	<b>Knowledge and understanding:</b> 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	
<b>Prenosljive/ključne spretnosti in drugi atributi:</b> individualno odvisno od raziskovalnega dela	<b>Transferable/key competences and other abilities:</b> dependent individually of research made	
<b>Metode poučevanja in učenja:</b>	<b>Learning and teaching methods:</b>	
Predavanja/konzultacije Seminar (seminarsko ali projektno vodenje učenja) Vaje Samostojno delo	Lectures/consultations Seminar or project assisted teaching Tutorial Individual work	
<b>Načini ocenjevanja:</b>	<b>Delež (v %) / Share (in %)</b>	<b>Assessment methods:</b>
Način (pisni izpit, ustno izpraševanje, naloge, projekt)	100 %	Method (written or oral exam, coursework, project):
Seminar		Seminar work
<b>Reference nosilca / Course coordinator's references:</b>		
"EKART, Robert, BEVC, Sebastjan, HOJS, Nina, HOJS, Radovan. Derived subendocardial viability ratio and cardiovascular events in patients with chronic kidney disease. <i>Cardiorenal medicine</i> , ISSN 1664-5502, 2019, vol. 9, no. 1, str. 41-50, ilustr. <a href="https://www.karger.com/Article/Abstract/493512">https://www.karger.com/Article/Abstract/493512</a> , <a href="https://doi.org/10.1159/000493512">https://doi.org/10.1159/000493512</a> , 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"

"EKART, Robert, BEVC, Sebastjan, HOJS, Nina, KNEHTL, Maša, DVORŠAK, Benjamin, HOJS, Radovan. Albuminuria is associated with subendocardial viability ratio in chronic kidney disease patients. *Kidney & blood pressure research*, ISSN 1423-0143. [Online ed.], Dec. 2015, vol. 40, no. 6, str 565-574, ilustr. <http://www.karger.com/Article/FullText/368532>, doi: 10.1159/000368532. [COBISS.SI-ID 5607743], [JCR, SNIP, WoS do 23. 3. 2019: št. citatov (TC): 13, čistih citatov (CI): 10, čistih citatov na avtorja (CIAu): 1.67, Scopus do 24. 3. 2019: št. citatov (TC): 13, čistih citatov (CI): 10, čistih citatov na avtorja (CIAu): 1.67] kategorija: 1A1 (Z, A', A1/2); uvrstitev: SCI, Scopus, MBP; tip dela je verificiral OSICM točke: 16.67, št. avtorjev: 6"