

UČNI NAČRT PREDMETA / COURSE SYLLABUS								
Ime predmeta:		Izbrana poglavja iz oftalmologije						
Course title:		Chosen Chapters from Ophthalmology						
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:		izr. prof. dr. Tomaž Gračner, dr.med.						
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):				
<p>Vsebina študijskega predmeta »Izbrana poglavja iz oftalmologije« zajema predvsem proučevanje novih metodologij za diagnostiko, spremljanje in presojanje zdravljenja določenih bolezenskih entitet s področja oftalmologije.</p> <p>Študij bo osredotočen na proučevanje novih možnosti za zgodnjo diagnostiko bolezenskih sprememb in proučevanje senzitivnosti posameznih diagnostičnih preiskav za posamezne bolezni ali terapijo.</p> <p>Med seboj bo primerjal posamezne metode raziskovanja in proučeval prednosti in pomanjkljivosti posameznih metod ter primerjal učinkovitost različnih terapevtskih postopkov.</p> <p>Študij bo predstavljal povezavo med kliničnim delom, kliničnim znanstvenim raziskovanjem ter</p>				<p>The contents of the study programme »Chosen chapters from ophthalmology« comprise above all the studying of new methodologies for diagnosis, following and evaluation of treatment of specific disease entities from the field of ophthalmology.</p> <p>They will concentrate on the new possibilities for early diagnosis of pathologic changes and the investigation of the sensitivity of individual diagnostic procedures for individual disease or therapy.</p> <p>Individual research methods will be compared and the advantages and shortcomings of individual methods studied, and the effectiveness of different therapeutic procedures will be compared.</p> <p>The studies will represent a connection between clinical work, clinical scientific research and new</p>				

<p>novimi spoznanji sodobnih diagnostičnih preiskav in zdravljenja.</p> <p>Poudarek bo predvsem na naslednjih bolezenskih entitetah:</p> <p>diabetični bolniki</p> <p>glavkomi bolniki (bolniki s povišanim očesnim pritiskom)</p> <p>refrakcija in korekcija vida</p> <p>nevrooftalmološke preiskave</p> <p>izboljšanje in novosti operativne mikrokirurške tehnike</p> <p>funkcionalne preiskave</p> <p>senzitivnost oftalmoloških preiskav pri ugotavljanju sistemskih imunoloških bolezni</p> <p>infekcija in oko</p> <p>imunološke bolezni očesa</p> <p>travmatologija v oftalmologiji</p>	<p>knowledge acquired by modern diagnostic investigation and treatment.</p> <p>The stress will be above all on the following disease entities:</p> <p>Diabetic patients</p> <p>Glaucoma patients (pts with increased ocular pressure)</p> <p>Refraction and correction of vision</p> <p>Neuroophthalmologic investigations</p> <p>Improvements and novelties in operative microsurgical techniques</p> <p>Functional investigations</p> <p>Sensitivity of ophthalmologic investigations in identifying systemic immunologic disease</p> <p>Infection and the eye</p> <p>Immunologic eye disease</p> <p>Traumatology in ophthalmology</p>
<p>Temeljna literatura in viri / Reading materials:</p> <p>American Academy of Ophthalmology (all sections), Basic and Clinical science course, P.O. Box 7424, San Francisco, USA, 2022-2023</p> <p>M.Yanof, Y.Duker. Ophthalmology 6th Edition, 2022, Elsevier</p> <p>JF Salmon. Kanski's Clinical Ophthalmology, 10th Edition, 2024, Elsevier</p>	
<p>Cilji in kompetence:</p> <p>Cilj študija »Izbrana poglavja iz oftalmologije« je prenesti spoznanja diagnostičnih metod in najustrežnejšega zdravljenja v klinično prakso. Poudarek je na tistih bolezenskih stanjih, ki v največji meri vplivajo na obolevnost prebivalstva in s tem na invalidnost. Zato bo cilj uvajanje novih in izboljšanje sodobnih postopkov zgodnjega odkrivanja obolevnosti. Končni cilj je čimprejšnja rehabilitacija vida ne glede na vzroke.</p>	<p>Objectives and competences:</p> <p>The objective of the study »Chosen chapters from ophthalmology« is to transfer the comprehension of diagnostic methods and of the most suitable methods of treatment to clinical practice. The stress will be on the pathologic conditions most highly affecting the morbidity of the population and thus also the disability. Therefore the objective will be the introduction of new and improvement of contemporary procedures for the early detection of morbidity. The ultimate aim is the earliest possible rehabilitation of vision regardless of the cause of its impairment.</p>
<p>Predvideni študijski rezultati:</p>	<p>Intended learning outcomes:</p>
<p>Znanje in razumevanje:</p> <p>Osvojitev novih znanj s področja oftalmologije, ki jih bo mogoče neposredno koristiti v procesu zdravljenja in spremljanja bolezni.</p>	<p>Knowledge and understanding:</p> <p>Acquired new knowledge in the field of ophthalmology, which can be applied directly in the processes of treatment and following of eye disease.</p>
<p>Prenosljive/ključne spretnosti in drugi atributi:</p> <p>Odvisno od raziskovalnega področja in samega raziskovalnega projekta. Integriranje in uvajanje novih postopkov zgodnjega odkrivanja obolevnosti vida.</p>	<p>Transferable/key competences and other abilities:</p> <p>Depends on the research field and on the research project. Integration and introduction of new and improvement of contemporary procedures for the early detection of morbidity</p>
<p>Metode poučevanja in učenja:</p>	<p>Learning and teaching methods:</p>
<p>Predavanja</p> <p>Seminarji</p>	<p>Lectures</p> <p>Seminars</p>

Vaje (seminarske vaje) Samostojno delo	Tutorials 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:		
<p>ŠARENAC, Tomislav, BEČIĆ TURKANOVIĆ, Anela, FERME, Peter, GRAČNER, Tomaž. A review of selective laser trabeculoplasty : "the hype is real". <i>Journal of clinical medicine</i>. Jul. 2022, vol. 11, issue 13, str. [1]-16. ISSN 2077-0383. https://www.mdpi.com/2077-0383/11/13/3879, https://doi.org/10.3390/jcm11133879, DOI: 10.3390/jcm11133879. [COBISS.SI-ID 114086659]</p> <p>GRAČNER, Tomaž. Impact of short-term topical steroid therapy on selective laser trabeculoplasty efficacy. <i>Journal of clinical medicine</i>. 2021, vol. 10, issue 18, str. [1]-10, ilustr. ISSN 2077-0383. https://www.mdpi.com/2077-0383/10/18/4249, https://doi.org/10.3390/jcm10184249, DOI: 10.3390/jcm10184249. [COBISS.SI-ID 82697219]</p> <p>GRAČNER, Tomaž. Comparative study of the efficacy of selective laser trabeculoplasty as initial or adjunctive treatment for primary open-angle glaucoma. <i>European Journal of Ophthalmology</i>. 2019, vol. 29, iss. 5, str. 524-531. ISSN 1724-6016. https://doi.org/10.1177/1120672118801129, https://journals.sagepub.com/doi/10.1177/1120672118801129, DOI: 10.1177/1120672118801129. [COBISS.SI-ID 6550079]</p>		