

UČNI NAČRT PREDMETA / COURSE SYLLABUS								
Ime predmeta:		Izbrana poglavja iz otorinolaringologije in kirurgije glave in vratu						
Course title:		Selected Topics in otorhinolaryngology and head and neck surgery						
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. Janez Rebol				
Jeziki /Languages:		Predavanja / Lectures:		Slovenski/Slovenian				
		Vaje / Tutorial:		Slovenski/Slovenian				
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>Uvodni del: pregled glavnih raziskovalnih problemov na področju kirurgije glave in vratu</p> <p>Izbrana poglavja:</p> <p><u>Senzorinevralna naglušnost</u>, Tinnitus- komorbidnost, nevromodulacija, zdravljenje</p> <p>Vestibularne preiskovalne metode, bolezni vestibularnega sistema, terapija vestibularnih motenj</p> <p>Onkologija: biomarkerji in rezistenčni markerji pri tumorjih glave in vratu</p> <p>Učinkovite medikamentozne kombinacije pri tumorjih glave in vratu</p> <p>Podporna terapija pri bolnikih s tumorji glave in vratu</p> <p>Rekonstrukcija pri operacijah tumorjev glave in vratu</p>				<p>Introduction: Overview of the main research problems in the field of otorhinolaryngology, head & neck surgery</p> <p>Special chapters:</p> <p>Sensorineural deafness, Tinnitus- comorbidity, neuromodulation, treatment</p> <p>Vestibular investigation methods, vestibular system diseases, therapy of vestibular disorders</p> <p>Oncology: biomarkers and resistance markers in head and neck tumors</p> <p>Effective medicament combinations in head and neck tumors</p> <p>Supportive therapy in tumors of head and neck</p> <p>Reconstruction in head and neck tumors surgery</p> <p>Complications in the functional endoscopic endonasal surgery</p>				

<p>Komplikacije funkcionalne endoskopske kirurgije obnosnih votlin Smrčanje in obstruktivna apnoa v spanju: patofiziologija, diagnoza in terapija, perioperativne komplikacije Biološka terapija pri CRSwNP Tumorji in lezije temporalne kosti Novi aspekti fonokirurgije</p>	<p>Snoring and obstructive apnea in sleep: pathophysiology, diagnosis, therapy and perioperative complications Biologic therapy in CRSwNP Tumors and lesions of the temporal bone New aspects in phonosurgery</p>	
<p>Temeljni literatura in viri / Reading materials:</p>		
<p>Anniko M, Bernal- Sprekelsen M, Bonkowsky V, Bradley PJ, Iurato S. Otorhinolaryngology, Head and Neck Surgery, Springer Verlag 2010</p>		
<p>Latest articles From Laryngoscope and Otolology & Neurotology journals (seminars)</p>		
<p>Cilji in kompetence:</p>	<p>Objectives and competences:</p>	
<p>Vsebina seminarjev in predavanj bo zajemala izključno novejšje rezultate študij iz priznanih mednarodnih znanstvenih revij. Cilj izbirnega predmeta je visoka stopnja aktualnosti obravnavanih tem in s tem razširjeno poznavanje etiopatogeneze in zdravljenja bolezni v ORL področju.</p>	<p>Contents of the seminars and lectures will include exclusively new studies results from the internationally recognised journals. The goal of the elective course is a high degree of actuality of the problems and extended knowledge of etiopathogenesis and treatment of diseases in the otorhinolaryngology.</p>	
<p>Predvideni študijski rezultati:</p>	<p>Intended learning outcomes:</p>	
<p>Znanje in razumevanje: Po zaključku predmeta bo študent poznal novejšjo problematiko na področju otorinolarinologije in kirurgije glave in vratu.</p>	<p>Knowledge and understanding: Upon completion of this course, the student will be acquainted with the novelties in the field of otorhinolaryngology and current trends in the research in the field of otorhinolaryngology.</p>	
<p>Prenosljive/ključne spretnosti in drugi atributi: Študent bo po opravljenem predmetu obvladal sodobne poglede na najpomembnejša področja na področju otorinolarinologije in kirurgije glave in vratu. Sposoben se bo vključiti v raziskovalno delo na omenjenem področju.</p>	<p>Transferable/key competences and other abilities: After finishing the course, the student will master the current views to the most important fields in otorhinolaryngology and head & neck surgery. He will be able to integrate in the research in the field of otorhinolaryngology.</p>	
<p>Metode poučevanja in učenja:</p>	<p>Learning and teaching methods:</p>	
<p>Predavanja Seminarji Vaje Samostojno delo</p>	<p>Lectures Seminars Tutorial Individual work</p>	
<p>Načini ocenjevanja:</p>	<p>Delež (v %) / Share (in %)</p>	<p>Assessment methods:</p>
<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt) Seminarska naloga Ustni izpit</p>	<p>50 % 50 %</p>	<p>Method (written or oral exam, coursework, project): Seminar paper Oral exam</p>

Reference nosilca / Course coordinator's references:		
<p>1. GABROVEC, Tina, DRAGAR, Jana, GUZELJ, Domen, POVALEJ BRŽAN, Petra, REBOL, Janez. Comparison of perioperative electrophysiological measurements and postoperative results in cochlear implantation with a slim straight electrode. <i>Applied sciences</i>. 2023, vol. 13, issue 5, [article no.] 3292, str. [1]-11, ilustr. ISSN 2076-3417. https://www.mdpi.com/2076-3417/13/5/3292, https://doi.org/10.3390/app13053292, DOI: 10.3390/app13053292. [COBISS.SI-ID 144499459], [JCR, SNIP, WoS, Scopus]</p> <p>2. REBOL, Janez, BALON, Peter, KOKOL, Peter, ŠVAGAN, Matija. Distribution of neck metastases and survival in patients with breast carcinoma. <i>Oncology research and treatment</i>. 2020, vol. 43, no. 7/8, str. 380-386, ilustr. ISSN 2296-5262. https://doi.org/10.1159/000508138, https://www.karger.com/Article/Abstract/508138, DOI: 10.1159/000508138. [COBISS.SI-ID 24935427], [JCR, SNIP, WoS, Scopus do 5. 6. 2023: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.25]</p> <p>3. MOHAN, Tamilselvan, ČAS, Alja, BRAČIČ, Matej, PLOHL, Olivija, VESEL, Alenka, RUPNIK, Maja, FRAS ZEMLIČ, Lidija, REBOL, Janez. Highly protein repellent and antiadhesive polysaccharide biomaterial coating for urinary catheter applications. <i>ACS biomaterials science & engineering</i>. 2019, vol. 5, issue 11, str. 5825-5832. ISSN 2373-9878. https://pubs.acs.org/doi/10.1021/acsbomaterials.9b01288, DOI: 10.1021/acsbomaterials.9b01288. [COBISS.SI-ID 22666774], [JCR, SNIP, WoS do 26. 8. 2023: št. citatov (TC): 26, čistih citatov (CI): 21, čistih citatov na avtorja (CIAu): 2.63, Scopus do 31. 8. 2023: št. citatov (TC): 27, čistih citatov (CI): 22, čistih citatov na avtorja (CIAu): 2.75]</p> <p>4. ŠVAGAN, Matija, POVALEJ BRŽAN, Petra, REBOL, Janez. Comparison of satisfaction between patients using percutaneous and transcutaneous bone conduction devices. <i>Otology & neurotology</i>. Jun. 2019, vol. 40, iss. 5, str. 651-657, ilustr. ISSN 1537-4505. https://journals.lww.com/otology-neurotology/Abstract/2019/06000/Comparison_of_Satisfaction_Between_Patients_Using.22.aspx, DOI: 10.1097/MAO.0000000000002203. [COBISS.SI-ID 6703167], [JCR, SNIP, WoS do 14. 12. 2019: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0.33, Scopus do 8. 7. 2023: št. citatov (TC): 2, čistih citatov (CI): 2, čistih citatov na avtorja (CIAu): 0.67]</p>		