

UČNI NAČRT PREDMETA / COURSE SYLLABUS								
<b>Ime predmeta:</b>		<b>Izbrana poglavja iz otorinolaringologije in kirurgije glave in vratu</b>						
<b>Course title:</b>		<b>Selected Topics in otorhinolaryngology and head and neck surgery</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>				Izr. prof. dr. Janez Rebol				
<b>Jeziki /Languages:</b>		<b>Predavanja / Lectures:</b>		Slovenski/Slovenian				
		<b>Vaje / Tutorial:</b>		Slovenski/Slovenian				
<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>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 &amp; 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><b>Temeljni literatura in viri / Reading materials:</b></p>		
<ul style="list-style-type: none"> <li>• Anniko M, Bernal- Sprekelsen M, Bonkowsky V, Bradley PJ, Iurato S. Otorhinolaryngology, Head and Neck Surgery, Springer Verlag 2010</li> <li>• Latest articles From Laryngoscope and Otology &amp; Neurotology journals (seminars)</li> </ul>		
<p><b>Cilji in kompetence:</b></p>	<p><b>Objectives and competences:</b></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><b>Predvideni študijski rezultati:</b></p>	<p><b>Intended learning outcomes:</b></p>	
<p><b>Znanje in razumevanje:</b>  Po zaključku predmeta bo študent poznal novejšjo problematiko na področju otorinolaringologije in kirurgije glave in vratu.</p>	<p><b>Knowledge and understanding:</b>  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><b>Prenosljive/ključne spretnosti in drugi atributi:</b>  Študent bo po opravljenem predmetu obvladal sodobne poglede na najpomembnejša področja na področju otorinolaringologije in kirurgije glave in vratu. Sposoben se bo vključiti v raziskovalno delo na omenjenem področju.</p>	<p><b>Transferable/key competences and other abilities:</b>  After finishing the course, the student will master the current views to the most important fields in otorhinolaryngology and head &amp; neck surgery. He will be able to integrate in the research in the field of otorhinolaryngology.</p>	
<p><b>Metode poučevanja in učenja:</b></p>	<p><b>Learning and teaching methods:</b></p>	
<p>Predavanja  Seminarji  Vaje  Samostojno delo</p>	<p>Lectures  Seminars  Tutorial  Individual work</p>	
<p><b>Načini ocenjevanja:</b></p>	<p><b>Delež (v %) / Share (in %)</b></p>	<p><b>Assessment methods:</b></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>

<b>Reference nosilca / Course coordinator's references:</b>		
<p><b>1.</b> 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. <a href="https://www.mdpi.com/2076-3417/13/5/3292">https://www.mdpi.com/2076-3417/13/5/3292</a>, <a href="https://doi.org/10.3390/app13053292">https://doi.org/10.3390/app13053292</a>, DOI: <a href="https://doi.org/10.3390/app13053292">10.3390/app13053292</a>. [COBISS.SI-ID <a href="https://www.cobiss.si/id/144499459">144499459</a>], [JCR, SNIP, WoS, Scopus]</p> <p><b>2.</b> 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. <a href="https://doi.org/10.1159/000508138">https://doi.org/10.1159/000508138</a>, <a href="https://www.karger.com/Article/Abstract/508138">https://www.karger.com/Article/Abstract/508138</a>, DOI: <a href="https://doi.org/10.1159/000508138">10.1159/000508138</a>. [COBISS.SI-ID <a href="https://www.cobiss.si/id/24935427">24935427</a>], [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><b>3.</b> 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 &amp; engineering</i>. 2019, vol. 5, issue 11, str. 5825-5832. ISSN 2373-9878. <a href="https://pubs.acs.org/doi/10.1021/acsbomaterials.9b01288">https://pubs.acs.org/doi/10.1021/acsbomaterials.9b01288</a>, DOI: <a href="https://doi.org/10.1021/acsbomaterials.9b01288">10.1021/acsbomaterials.9b01288</a>. [COBISS.SI-ID <a href="https://www.cobiss.si/id/22666774">22666774</a>], [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><b>4.</b> ŠVAGAN, Matija, POVALEJ BRŽAN, Petra, REBOL, Janez. Comparison of satisfaction between patients using percutaneous and transcutaneous bone conduction devices. <i>Otology &amp; neurotology</i>. Jun. 2019, vol. 40, iss. 5, str. 651-657, ilustr. ISSN 1537-4505. <a href="https://journals.lww.com/otology-neurotology/Abstract/2019/06000/Comparison_of_Satisfaction_Between_Patients_Using.22.aspx">https://journals.lww.com/otology-neurotology/Abstract/2019/06000/Comparison_of_Satisfaction_Between_Patients_Using.22.aspx</a>, DOI: <a href="https://doi.org/10.1097/MAO.0000000000002203">10.1097/MAO.0000000000002203</a>. [COBISS.SI-ID <a href="https://www.cobiss.si/id/6703167">6703167</a>], [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>		