



<b>Temeljni literatura in viri / Readings:</b>	
<p>1. Ole Fejerskov, Bente Nyvad, Edwina Kidd. Dental Caries: The Disease and its Clinical Management, 3rd Edition, 2015. Wiley-Blackwell</p> <p>2. <a href="#">Andre V. Ritter</a>, <a href="#">Ricardo Walter</a>, <a href="#">Lee W. Boushell</a>. Sturdevant's Art and Science of Operative Dentistry 7th Edition - 2019, Elsevier</p> <p>3. Thomas J. Hilton, James B. Summitt, James Broome, Jack L. Ferracane. Fundamentals of Operative Dentistry A Contemporary Approach, Fourth Edition, Quintessence Publishing, 2019.</p> <p>4. Mounth GJ, Hume WR, Ngo HC, Wolff MS.: Preservation and restoration of tooth structure. 3rd edition. Wiley Blackwell. 2016.</p> <p>5. N.Garg, A.Garg.:Textbook of Operative Dentisty: The Health Sciences Publisher, New Delhi, London, Philadelphia, Panama; 4th Ed. 2018.</p>	
<b>Cilji in kompetence:</b>	<b>Objectives and competences:</b>
Cilj predmeta je usposobiti študenta, da se nauči metode diagnostike karijesa v sklopu predkliničnega dela pouka. da diagnosticira in načrtuje terapijo začetnih karioznih lezij zob in pridobi znanje o kompleksni interakciji dejavnikov pri razvoju zognega kariesa. Študenti se naučijo klinično prepoznavati začetno in napredno kariozno lezijo zoba in uporabiti sodobne diagnostične postopke pri preprečevanju in diagnosticiranju zognega kariesa. Seznanijo se z instrumentarijem in osnovnimi načeli terapije kariesa. Poudarek je na novih zognih polnilnih materialih in izdelavi lepilne votline, s čimer se ohranja zdravo zobno tkivo. Študenti bi morali znati našteti tudi razvojne in morfološke anomalije trdega zognega tkiva.	The aim of the course is to enable a student to learn about the methods of diagnostic procedures at the pretclinical work to diagnose and plan a therapy for initial carious lesion of the tooth and to gain knowledge about the complex interaction of factors in the development of dental caries. The task of teaching is to learn how to clinically recognize the initial and advanced carious lesion of the tooth and to use modern diagnostic procedures in the prevention and diagnosis of dental caries; Get familiar with the instruments and basic principles of caries therapy. The emphasis is on new dental filling materials and the fabrication of adhesive cavity, thus saving healthy dental tissue. Students should also be able to list the developmental and morphological anomalies of hard tooth tissue.
<b>Predvideni študijski rezultati:</b>	<b>Intended learning outcomes:</b>
Znanje in razumevanje: - Opredeliti epidemiologijo, etiologijo, klinično in patohistološko sliko kariesa. - Opredeliti diagnostične postopke za odkrivanje kariesnih poškodb ter izvajati klinične preskuse in postopke za ocenjevanje tveganja kariesa; - Spoznati se z biokemičnim in kliničnim pristopom k preprečevanju kariesa. - Povezati sedanje znanje z etiologijo, diagnozo, patohistološko in klinično podobo kariesa ter potrebe po zdravljenju in vrnitvi zoba v funkcijo. - Prepoznati razvojne zobe motnje ter morfološke in strukturne nepravilnosti trdih zognih tkiv. - Opisati sodobne materiale za začasno in stalno izpolnitev kavitacijske votline ter njihovo klinično uporabo. - Znati opisati vse vrste preparacije votlin in način njihove oskrbe.	Knowledge and understanding: Define epidemiology, etiology, clinical and pathohistological significance of caries; Define diagnostic procedures for the detection of caries lesions and conduct clinical tests and procedures for assessing caries risk; Introduce the biochemical and clinical approach for caries prevention; Link the current knowledge of etiology, diagnosis, pathohistological and clinical outcomes of the caries and the need for its treatment and restoration of the tooth; Identify developmental tooth disorders and morphological and structural irregularities of hard tooth tissues; Describe contemporary temporary and permanent materials and cavity liners and their clinical application; Know to describe all types of cavity preparation and the way they are disposed;

- Opisati indikacijska področja za uporabo estetskih materialov.	Describe indications for application of aesthetic materials.	
Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.	Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.	
<b>Metode poučevanja in učenja:</b>	<b>Learning and teaching methods:</b>	
Predavanja Vaje	Lectures Tutorial	
Načini ocenjevanja:	Delež (v %) / Weight (in %)	Assessment:
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Type (examination, oral, coursework, project):
Praktično delo	30 %	Practical work
Dva kolokvija v pisni obliki	15 %	Two written partial exams
Pisni končni izpit	15 %	
	40 %	Written final exam
<b>Reference nosilca / Lecturer's references:</b>		
<ol style="list-style-type: none"> <li>1. Persic Bukmir R, Vidas J, Mance D, Pezelj-Ribaric S, Spalj S, Brekalo Prso I. Socio-economic and health status as a predictor of apical periodontitis in adult patients in Croatia. <i>Oral Dis.</i> 2019 Jan;25(1):300-308. doi: 10.1111/odi.12981. Epub 2018 Oct 16. PMID: 30246508.</li> <li>2. Vidas J, Snjaric D, Braut A, Carija Z, Persic Bukmir R, De Moor RJG, Brekalo Prso I. Comparison of apical irrigant solution extrusion among conventional and laser-activated endodontic irrigation. <i>Lasers Med Sci.</i> 2020 Feb;35(1):205-211. doi: 10.1007/s10103-019-02846-w. Epub 2019 Jul 18. PMID: 31321596.</li> <li>3. Brekalo Prso I, Mocny-Pachońska K, Trzcionka A, Pezelj-Ribaric S, Paljevic E, Tanasiewicz M, Persic Bukmir R. Empathy amongst dental students: An institutional cross-sectional survey in Poland and Croatia. <i>Eur J Dent Educ.</i> 2020 Nov;24(4):687-694. doi: 10.1111/eje.12557. Epub 2020 Jul 9. PMID: 33462930.</li> <li>4. Persic Bukmir R, Paljevic E, Vidas J, Glazar I, Pezelj-Ribaric S, Brekalo Prso I. Is Coronal Restoration a Predictor of Posttreatment Apical Periodontitis? <i>Eur J Dent.</i> 2022 May;16(2):386-395. doi: 10.1055/s-0041-1735909. Epub 2021 Nov 9. PMID: 34753188; PMCID: PMC9339940.</li> <li>5. Paljevic E, Brekalo Prso I, Hrstic JV, Pezelj-Ribaric S, Persic Bukmir R. Impact of Smoking on the Healing of Apical Periodontitis after Nonsurgical Endodontic Treatment. <i>Eur J Dent.</i> 2023 Mar 28. doi: 10.1055/s-0043-1761451. Epub ahead of print. PMID: 36977477.</li> </ol>		
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<ol style="list-style-type: none"> <li>1. Vidas J, Snjaric D, Braut A, Carija Z, Persic Bukmir R, De Moor RJG, Brekalo Prso I. Comparison of apical irrigant solution extrusion among conventional and laser-activated endodontic irrigation. <i>Lasers Med Sci.</i> 2021 Feb;35(1):205-211.</li> <li>2. Saltović E, Mijandrušić-Sinčić B, Braut A, Škrobonja I, Sever E, Glažar I, Pezelj-Ribarić S, Muhvić-Urek M. Absence of Oral Opportunistic Infections in Patients with Inflammatory Bowel Disease Receiving Anti-TNF-α and Anti-Integrin-α4β7 Therapy. <i>Dent J (Basel).</i> 2022 Feb 23;10(3):32. doi: 10.3390/dj10030032.</li> <li>3. Muhvić-Urek M, Saltović E, Braut A, Kovačević Pavičić D. Association between Vitamin D and Candida-Associated Denture Stomatitis. <i>Dent J (Basel).</i> 2020 Oct 21;8(4):121. doi: 10.3390/dj8040121. PMID: 33096916; PMCID: PMC7712357.</li> </ol>		