



UČNI NAČRT PREDMETA / COURSE SYLLABUS							
Predmet:		Endodontija 1					
Course title:		Endodontics 1					
Študijski program in stopnja Study programme and cycle		Študijska smer Study option		Letnik Year of study		Semester Semester	
Dentalna medicina/Dental Medicine 2. stopnja/2nd cycle				5		9	
Vrsta predmeta / Course type						Obvezni/ Compulsory	
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	
20			40		30	3	
Nosilec predmeta / Lecturer:			red. prof. dr. Ivana Brekalo Pršo red. prof. dr. Alen Braut				
Jeziki / Languages:		Predavanja / Lectures:		slovenščina/slovene			
		Vaje / Tutorial:		slovenščina/slovene			
Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:				Prerequisites:			
Vsebina:				Content (Syllabus outline):			
Tehnike instrumentacije koreninskih kanalov. Materiali za polnjenje koreninskega kanala. Tehnike polnjenja koreninskega kanala. Lokalna anestezija. Zdravila v endodontiji. Uporaba antibiotikov v endodontiji. Vzdržni zobni zlomi. Nujni endodontski primeri in njihovo zdravljenje. Neuspehi in zapleti endodontskega zdravljenja. Endodontsko zdravljenje tveganih bolnikov. Oskrbna travmatskih poškodb zob. Postendodontska oskrba zob. Ne-kirurški ponovni tretma. Endodontska kirurgija. Beljenje zob (znotraj in zunaj). Vrednotenje rezultatov endodontskega zdravljenja.				Cleaning and shaping of root canal. Root canal sealers. Methods of obturation. Local anaesthesia. Medicaments in endodontics. Use of antibiotics in endodontics. Vertical root fractures. Management of endodontic emergencies. Failures and complications of endodontic treatment. Endodontic treatment in medically compromised patients. Treatment of traumatic dental injuries. Restoration of endodontically treated teeth. Nonsurgical retreatment. Endodontic surgery. Bleaching procedures (internal and external). Evaluation of endodontic treatment outcomes.			
Temeljni literatura in viri / Readings:							
<ul style="list-style-type: none"> Torabinejad M, Walton RE. Endodonticija - načela i praksa. Naklada Slap. 2009. Hargreaves K, Berman L. Cohen's Pathways of the Pulp Expert Consult, Mosby Inc. St. Louis. 2015. Bergenholtz G, Hørsted-Bindslev P, Reit . Textbook of Endodontology. Wiley-Blackwell. 2010. 							
Cilji in kompetence:				Objectives and competences:			
Cilj predmeta je usposobiti študenta za obdelavo endodontskega bolnika, kar vključuje poznavanje etiologije, patogeneze, diagnostike in terapije vnetne, travmatske ali degenerativne spremembe v pulpnem tkivu in posledično periapikalnem				The aim of the course is to enable a student to treat an endodontic patient including the knowledge of etiology, pathogenesis, diagnosis and therapy of inflammatory, traumatic or degenerative changes in pulp tissue and			



<p>področju. Naloga predmeta je seznaniti študente z razvojem in uporabo materialov v endodontiji, s tehnikami instrumentacije in polnjenja korenskih kanalov ter postendodonsko oskrbo zoba. To področje vključuje zdravljenje nujnih endodontskih stanj in endodonsko kirurgijo. Študenti morajo biti seznanjeni z načinom zdravljenja endodontskih ali periapikalnih patoloških lezij pri bolnikih, ki sodijo v tvegano skupino bolnikov.</p>		<p>consequently of the periapical area. The course assignment is to introduce students to the development and use of materials in endodontics, instrumentation techniques and root canal filling and post endodontic restorations of tooth. This area also includes therapy of endodontic emergencies and endodontic surgery. Students must be familiar with the way of treating endodontic or periapical pathological lesions in medically compromised patients.</p>
<p>Predvideni študijski rezultati:</p>		<p>Intended learning outcomes:</p>
<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> - Poznati patohistološko in klinično sliko pulpitisa in apeksnega parodontitisa. - Poznati diagnostične postopke v endodontiji. - Določiti terapevtske smernice za zdravljenje vnetnih in regresivnih sprememb pulpe, kot tudi lezije apeksnega parodontalnega tkiva ter travmatsko poškodovanih zob. - Opisati lastnosti in uporabo endodontskih materialov- - Poznati klinično izvajanje postendodonske rekonstrukcije zobne krone. - Opisati indikacije za uporabo antibiotikov v endodontiji. 		<p>Knowledge and understanding: Familiar with the pathohistological and clinical significance of pulpitis and apical periodontitis Know diagnostic procedures in endodontics. Determine therapeutic guidelines for the treatment of inflammatory and regressive changes in pulp, lesions of apical periodontal tissue, as well as traumatic injuries. Describe properties and application of endodontic materials. Know the clinical implementation of post endodontic reconstruction of the tooth crown. Describe indications for the use of antibiotics in endodontics.</p>
<p>Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.</p>		<p>Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.</p>
<p>Metode poučevanja in učenja:</p>		<p>Learning and teaching methods:</p>
<p>Predavanja Klinične vaje</p>		<p>Lectures Clinical training</p>
<p>Načini ocenjevanja:</p>	<p>Delež (v %) / Weight (in %)</p>	<p>Assessment:</p>
<p>Način (pisni izpit, ustno izpraševanje, naloge, projekt)</p>	<p>25 %</p>	<p>Type (examination, oral, coursework, project): Practical exam</p>
<p>Praktični izpit</p>	<p>15 %</p>	<p>Written exam</p>
<p>kolokvij v pisni izpit Zaključni izpit je ustni izpit</p>	<p>25 % 60-50%</p>	<p>The final exam is an Oral exam</p>
<p>Reference nosilca / Lecturer's references:</p>		
<ol style="list-style-type: none"> 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. doi:10.1007/s10103-019-02846-w. 2. Brekalo Prso I, Mocny-Pachońska K, Trzcionka A, Pezelj-Ribaric S, Paljevic E, Tanasiewicz M, Persic Bukmir R. Empathy among dental students: An institutional cross-sectional survey in Poland and Croatia. <i>Eur J Dent Educ</i> 2020;24(4):687-694 3. Ema Paljevic; Ivana Brekalo Prso; Jelena Vidas Hrstic; Sonja Pezelj- Ribaric; Romana Persic Bukmir. Impact of Smoking on the Healing of Apical Periodontitis after Nonsurgical Endodontic Treatment. <i>European Journal of Dentistry</i> 2023. DOI: 10.1055/s-0043-1761451 		



4. Ema Paljević, Ivana Brekalo Pršo, Jelena Vidas Hrstić, Elvis Božac, Sonja Pezelj-Ribarić, Romana Peršić Bukmir. Healing of apical periodontitis in type II diabetes mellitus patients: A prospective study. *Oral Diseases*. 2023; 00:1-9. doi.org/10.1111/odi.14772
5. 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- α 4 β 7 Therapy (2022) *Dentistry Journal*, 10 (3)
6. Saltović, Ema ; Bonifačić Simčić, Irena ; Bonifačić, David ; Braut, Alen ; Vuletić, Vladimira ; Žigante, Martina ; Muhvić Urek, Miranda Taste disorder in patients with multiple sclerosis // *Acta stomatol Croat*. 2021 ; 55(1):91-102.. 2020. str. 100-100