

**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

<b>Predmet:</b>	<b>Preventivna dentalna medicina in oralna higiena</b>
<b>Course title:</b>	<b>Prevention in Dentistry and Oral Hygiene</b>

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		4	7

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
30	30		20		70	5

Nosilec predmeta / Lecturer: Izr. prof. dr. Danko Bakarčič / Danko Bakarčič, DDM, PhD, associate profesor

Jeziki / Predavanja / Lectures: slovenščina/slovene  
 Languages: Vaje / Tutorial: slovenščina/slovene

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:  Prerequisites:

**Vsebina:**

Pomen preventivne dentalne medicine. Vloga plaka pri pojavu parodontalne bolezni. Obrambne sposobnosti in obrambni sistemi organizma. Osebna ustna higiena: krtače in tehnike ščetkanja, zobna pasta, pomožna sredstva. Aktivnost in uporaba fluorida. Metode sistemskih in lokalnih aplikacij fluorida. Zalivanje fisur in polnjenje. Testi aktivnosti kariesa in ocena tveganja za karies. Vpliv prehrane na nastanek kariesa in prehransko svetovanje. Epidemiologija bolezni in bolezni zoba in parodonta. Zdravstvena vzgoja, skupinski in individualni preventivni programi.

**Content (Syllabus outline):**

Significance of preventive dentistry. The role of plaque in the emergence of periodontal disease. Defensive abilities and defence systems of the organism. Personal oral hygiene: brushes and brushing techniques, toothpaste, auxiliary agents. Fluoride activity and application. Methods of systemic and topical fluoride applications. Fissure sealing and preventive resin restorations. Caries activity tests and caries risk assessment. Influence of nutrition on caries formation and diet counselling. Disease and periodontal disease epidemiology. Health education, group and individual prevention programs.

**Temeljni literatura in viri / Readings:**

- D. Bakarčič, N. Ivančič Jokić. Osnove prevencije karijesa i parodontnih bolezni. Split: Redak; 2013.
- Harris NO, Garcia-Godoy F. Primary preventive dentistry 7th ed. Upper Saddle River: Pearson; 2008.

**Cilji in kompetence:**

Vsebina študija/predmeta je namenjena seznanitvi študentov z materiali s področja preprečevanja zobnih bolezni. Gre predvsem za spodbujanje oralnega zdravja in preprečevanje oralnih bolezni, pa tudi poznavanje etiopatogeneze oralnih bolezni ter vlog in odgovornosti zobozdravnika pri zagotavljanju oralnega zdravja posameznika in skupnosti.

**Objectives and competences:**

This course is designed to introduce students to the subject matter in the field of prevention of diseases related to dental medicine. The subject is the promotion of oral health and prevention of oral diseases, but also knowledge of the etiopathogenesis of oral diseases and the roles and responsibilities of the dentist in providing oral health of individuals and in the community.

**Predvideni študijski rezultati:****Intended learning outcomes:**

<p>Znanje in razumevanje:</p> <ul style="list-style-type: none"> <li>• Poznavanje etiologije oralnih bolezní.</li> <li>• Poznavanje dejavnikov tveganja za oralno bolezen.</li> <li>• Poznavanje diagnostíčnih možnosti za diagnozo oralnih bolezní.</li> <li>• Samostojno svetovanje za kontrolo dejavnikov tveganja za oralno bolezen.</li> <li>• Samostojno analiziranje prehrane in svetovanje o prehrani v smislu preprečevanja oralnih bolezní.</li> <li>• Samostojno izvajanje zobozdravstvene vzgoje.</li> <li>• Poznavanje in uporaba metodologije komuniciranja, motiviranja in poučevanja med zobozdravstvenim izobraževanjem.</li> <li>• Poznavanje načinov preprečevanja kariesa (lokalna aplikacija fluora in remineralizacijskih sredstev, zalivanje fisur, kemična kontrola plaka).</li> <li>• Samostojna uporaba metod fluoridacije in remineralizacije za preprečevanje kariesa.</li> <li>• Vodenje zdravstvene dokumentacije.</li> <li>• Spremljanje epidemioloških kazalnikov ustnih bolezní.</li> </ul> <p>Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.</p>	<p>Knowledge and understanding:</p> <ul style="list-style-type: none"> <li>• knowledge of the etiology of oral disease</li> <li>• knowledge of risk factors for oral diseases</li> <li>• knowledge of diagnostic possibilities in diagnosis of oral diseases</li> <li>• independently counselling for controlling risk factors for oral diseases</li> <li>• independent analyse the diet counselling, but in terms of prevention of oral diseases</li> <li>• independent conduct of dental health education</li> <li>• knowledge and application of the methodology of communication, motivation and teaching during the dental health education</li> <li>• knowledge of methods of caries prevention (local application of fluorides and remineralisation agents, fissure sealing, chemical plaque control)</li> <li>• independent application of fluoridation and remineralisation methods for caries prevention</li> <li>• keeping medical records</li> <li>• monitoring the epidemiological indicators of oral diseases.</li> </ul> <p>Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.</p>
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**Metode poučevanja in učenja:****Learning and teaching methods:**

<p>Predavanja Seminarji Klinične vaje</p>	<p>Lectures Seminars Clinical training</p>
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**Načini ocenjevanja:**

Delež (v %) /  
Weight (in %)

**Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt):	Delež (v %) / Weight (in %)	Assessment:
Pisni izpit	100 %	Type (examination, oral, coursework, project):  Final written examination

**Reference nosilca / Lecturer's references:**

1. Verzak Ž, Ivančić Jokić N, Modrić VE, **Bakarčić D**, Karlović Z, Ulovec Z, Negovetić Vranić D. Psychosocial and economic status of the parents with children with and without tooth trauma. *Psych Danub*. 2016;28:428-33.
2. Ivančić Jokić N, **Bakarčić D**, Grzic R, Majstorović M, Sostarek M. What general medicine students of University of Rijeka know about dental avulsion. *Eur J Dent Educ*. 2016; doi:10.1111/eje.12235. [Epub ahead of print]
3. Negovetić Vranić D, Ivančić Jokić N, **Bakarčić D**, Carek A, Rotim Ž, Verzak Ž. Dental fear in children with repeated tooth injuries. *Acta Clin Croat*. 2016;55:259-64. (SCIE)
4. Cukovic-Bagic I, Dumancic J, Kujundzic Tiljak M, Drvaric I, Boric B, Kopic V, Krupic I, **Bakarcic D**, Budimir M, Welbury RR. Croatian dentists' knowledge, experience, and attitudes in regard to child abuse and neglect. *Int J Paediatr Dent*. 2015;25(6):444-50. doi: 10.1111/ipd.12151.
5. Ivančić Jokić N, **Bakarčić D**, Nastić V, Majstorović M, Negovetić Vranić D. *Disanje na usta kao uzrok orofacijalnih anomalija*. *Paediatr Croat*. 2014;58:114-118 (SCIE)
6. **Bakarčić D**, Ivančić Jokić N, Negovetić Vranić D, Majstorović M, Vukić Lušić D, Blečić E, Gržić R. Guidelines for teeth fluoridation with respect to fluoride concentration in Primorje-Gorski Kotar County. *Paediatr Croat*. 2014;58:25-30. (SCIE)
7. Ivančić Jokić N, **Bakarčić D**, Janković S, Malatestinić G, Dabo J, Majstorović M, Vanja Vuksan V. *Dental Caries Experience in Croatian Schoolchildren in Primorsko-Goranska County*. *Cent Eur J Public Health* 2013;21:239-42.

8. Lajnert V, Pavičić DK, Gržić R, Kovač Z, Pahor D, Kuiš D, Simonić-Kocijan S, Antonić R, **Bakarčić D**. *Influences of age and maxillary anterior teeth status on patient's satisfaction with dental appearance and tooth colour*. Gerodontology. 2012;29:674-9
9. Gržić R, **Bakarcic D**, Prpic I, Ivancic Jokic N, Sasso A, Kovac Z, Lajnert V. *Dental health and dental care in children with cerebral palsy*. Coll Antropol. 2011; 3: 761-764
10. **Bakarcic D**, Lajnert V, Vlašić Cicvarić I, Ivancic Jokic N, Hrvatin S, Prpic I, Gržić R. *Utječe li mentalna retrdacija na žvačnu učinkovitost kod djece s cerebralnom paralizom?* Paediatrica Croatica 2011; 3:243-46. (SCIE)
11. **Bakarcic D**, Prpic I, Ivancic Jokic N, Bilic I, Lajnert V, Bukovic D. *Dental status as a quality control health care parameter for children with disabilities*. Coll Antropol. 2009;33(1):139-42.