2026/2027

Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Snemna protetika 2**
Course title:	**Removable Prosthodontics 2**

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, 8**

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	**25**		**75**		**120**	**8**

Nosilec predmeta / Lecturer: **Red. prof. dr. Renata Gržić**

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisits:**

Vsebina:	**Content (Syllabus outline):**
Spoznavanje z biološkimi osnovami in anatomijo ter funkcijo stomatognatnega sistema z uporabo predhodno pridobljenih znanj iz osnovnih biomedicinskih disciplin. Zagotavljanje teoretične osnove in praktično znanje o tehničnih, tehnoloških in kliničnih postopkih vseh faz v razvoju delnih in popolnih zobnih protez, vključno z delom z artikulatorji. Razumevanje etiologije, patologije, patofiziologije in diagnosticiranje motenj in degenerativnih sprememb v stomatognatnem sistemu, ki so posledica delne ali popolne izgube zob. Klinične in instrumentalne analize ter prilagoditev okluzije, preterapevtski postopki in predprotetična priprava bolnika, vključno z opornicami, zobnimi implantanti in postopki izdelave kombiniranih fiksnih in odstranljivih zobnih protez. Postopki izdelave začasnih, inmediatnih in pokrovnih protez. Seznanitev s spremembami v mehkih in trdih oralnih tkivih pri nosilcu proteze. Popravila zlomov proteze in podlaganje protez. Osnove oralne rehabilitacije in interdisciplinarno sodelovanje v diagnostiki in zdravljenju delne in popolne izgube zob in njenih posledic.	Introduction to the biological basis, anatomy and function of the stomatognathic system by applying the previously acquired knowledge on basic biomedical disciplines. Laying of the theoretical and practical grounds on technical, technological and clinical procedures of all phases during the fabrication of partial and complete dentures, including the practice with articulators. Introduction to the etiology, pathology, pathophysiology and diagnostics of the disorders and degenerative changes in the stomatognathic system as the consequence of partial or total tooth loss. Clinical and instrumental analysis and adjustment of the occlusion, pre-treatment procedures and pre-prosthodontic preparation of the patient including bites, dental implants and procedures applied for fabrication of combined fixed and removable dentures. Procedures in fabrication of temporary, immediate and overdentures. Introduction to the changes of the soft and hard oral tissues in denture bearers. Denture repair and relining. Basics of oral rehabilitation and interdisciplinary approach in diagnostics and treatment of partial and complete anodontia and its consequences

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Temeljni literatura in viri / Readings:

- Zarb GA, Bolender CL. Prosthodontics treatment for edentulous patients. 13 edition Elsevier Mosby, Inc.,2013
- Carr AB, McGivney GP, Brown DT. McCracken's removable partial prosthodontics.13th edition Elsevier Mosby Inc., 2015

Cilji in kompetence:	**Objectives and competences:**
Cilj predmeta je omogočiti študentu, da diagnosticira in zdravi popolno in delno izgubo zob in vseh posledic z izdelavo popolnih ali delnih snemnih zobnih protez v predkliničnih in kliničnih pogojih, kot tudi pridobivanje znanja o kompleksnih zdravljenjih s kombiniranimi fiksnimi in snemnimi zobnimi protezami ter funkcijsko estetski rehabilitaciji stomatognatnega sistema s sodelovanjem s specialisti drugih zobozdravstvenih disciplin. Študente naučiti anatomsko-funkcijske odnose, nevromuskularne mehanizme in biomehaniko stomatognatnega sistema ter njihove motnje pri delni ali popolni izgubi zob ter njihovo diagnostiko in zdravljenje, vključno s kraniomandibularno disfunkcijo in osnove snemne protetike na zobnih implantatih.	The aim of this course is to train the students in diagnostics and treatment of partial and total anodontia and its consequences by fabrication of complete or partial removable dentures in preclinical and clinical environment, as well as acquiring the knowledge on complex treatment options involving combined fixed and removable dentures and functional-esthetic rehabilitation of the stomatognathic system through cooperation with the specialists in other branches of dental medicine. Aims of the classes also include teaching on anatomical and functional relationships, neuromuscular mechninisms and biomechanics of the stomatognethic system and its disorders in partial or complete anodontia, their diagnostics and treatment, including craniomandibular dysfunctions and the basics of removable prosthodintics on dental implants.
Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: Poznavanje epidemiologije izgube zob, vpliv delne in popolne izgube na ostale strukture, anatomske in psihološke posledice izgube zob, poznavanje vloge in kvalitete preostalih zob za rekonstrukcijo manjkajočih, znati izbrati ustrezno protetično delo, znati načrtovati obliko protetičnega dela, znati izbrati ustrezen material za izdelavo protetičnega dela, znati analizirati funkcionalne sile, ki destabilizirajo protetično delo, znati prepoznati možne psihološke spremembe, povezane s protetičnim delom, znati prepoznati vlogo vertikalne in horizontalne relacije ter prepoznati vpliv na ležišče proteze in eventualne zobe – nosilce. Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.	Knowledge and understanding: Knowledge about the epidemiology of tooth loss and anodontia, knowledge about consequences of tooth loss and edentuolosness, knowledge about anatomical characteristics and physiological development after loss of teeth, knowledge about the remaining structures potentials for carrying replacement devices and the anatomical and physiological condition which affect these including specific competency in oral function, knowledge about different forms of tooth replacement, knowledge about dental material for such replacements with regard to technicality and biocompatibility, knowledge about the functional forces influencing protheses, knowledge about the most important factors guiding the choice of denture structure, knowledge about the most important factors influencing the adaptation to wearing dentures, know general principles for construction of dentures with regard to aesthetics, vertical and lateral stability, retention, the risk of damage to the denture and the underlying structures. Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.
Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja Klinične vaje	Lectures Clinical training

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Načini ocenjevanja:	**Delež (v %) / Weight (in %)**	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Type (examination, oral, coursework, project):
pisni izpit	30 %	written exam
Ustni izpit	70 %	Oral exam

Reference nosilca / Lecturer's references:

1. Association of Masticatory Efficiency and Reduced Number of Antagonistic Contacts Due to Extraction, Changing Dentition or Malocclusion in Children Cicvaric, Odri; **Grzic, Renata**; Simunovic Erpusina, Marija; Simonic-Kocijan, Suncana; Bakarcic, Danko; Ivancic Jokic, Natasa : Dentistry Journal, - 11 3-11 **Q2**
2. Assessment of internal derangement of the temporomandibular joint according to the concentration of salivary cytokines in patients with spondyloarthritis Ana-Marija Laskarin, Gordana Laskarin, Tatjana Kehler, **Renata Grzic**, Niksa Dulcic Medical Hypotheses - https://doi.org/10.1016/j.mehy.2022.111000 **Q2**
3. Pandemic Financial Stress in Dental Medicine in Croatia
   Edi Orlic , Stjepan Spalj , Natasa Ivancic Jokic , Danko Bakarcic , Odri Cicvaric and **Renata Grzic** Dentistry Journal - Dent. J. 2023, 11, 9. https://doi.org/10.3390/dj11010009 Q2
4. Masicatory efficiency in children with cerebral palsy. Bakarčić D., LajnertV., Ivančić Jokić N., **Gržić R.:**European Archives of Paediatric Dentistry.: 1(2020),1-1 doi:10.1007/s40368-020-00529-7 – 1 **Q1**