2025/2026

Univerza v Mariboru

UČNI NAČRT PREDMETA / COURSE SYLLABUS	
Predmet:	**Oralna kirurgija 2**
Course title:	**Oral Surgery 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		**5**	**9, 10**

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	**15**		**60**		**75**	**6**

Nosilec predmeta / Lecturer:	**red. prof. dr. Tomislav Ćabov**

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):**
Predmet vključuje naslednje: indikacije in možnosti v preprotetični kirurgiji, preprotetični kirurški posegi, maksilarni sinus – odontogeni problemi kirurgije maksilarnega sinusa, ciste čeljusti, obraza in ust, načela zdravljenja cist čeljusti obraza in ust, neodontogeni tumorji ustne votline, epulis in gigantocelularne spremembe, odontogeni tumorji ustne votline, bolezni temporomandibularnega sklepa, sodelovanje doktorja dentalne medicine in specialistov oralne kirurgije, osnove implantoloških tehnik in posegov.	The course contains the following: management of preprosthetic surgery; odontogenic issues of maxillary sinus surgery; management of cysts of the jaws and mouth; odontogenic tumors of the oral cavity; non-odontogenic tumors of the oral cavity; epulis and gigantocellular alterations; temporomandibular diseases; team work (between oral surgeons and doctors of dental medicine), basics of implantological techniques and interventions.

Temeljni literatura in viri / Readings:

- Hupp JR, Ellis III E, Tucker MR. Contemporary Oral and Maxillofacial Surgery. Mosby-Elsevier. St.Louis;2018
− Malamed S. Handbook of Local Anesthesia. Mosby. St. Louis;2019.
− Little JW, Falace DA, Miller CS, Rhodus NL. Dental Managment of the Medically Compromised Patient. Mosby. St. Louis; 2023.
− Andreasen J.O, Andreasen F.M, Andreasen L. Textbook and Color Atlas of Traumatic Injuries to the Teeth 5th Edition. Blackwell- Munksgaard;2018.

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Cilji in kompetence:	**Objectives and competences:**
Cilj predmeta je omogočiti študentu, da pridobi znanje o najpogostejših indikacijah in možnostih preprotetične kirurgije ustne votline. Nadalje študentu omogočiti pridobitev znanja za prepoznavanje vseh kliničnih slik odontogenske patologije maksilarnega sinusa. V času predavanj in kliničnih vaj študenti analizirajo primerna klinična stanja in radiološke slike cističnih sprememb in osnovne nastavitve za kirurško zdravljenje cist čeljusti in okolnih tkiv. Z učenjem diferencialne diagnostike in klinične slike benignih in malignih sprememb študent spozna razlike med benignimi in malignimi lezijami. Skozi klinično prakso se študent seznani z asistiranjem pri dentoalveolarnih operacijah in omogoči usvajanje veščin asistiranja, kot tudi pripravo bolnika za poseg.	The aim of this course is to demonstrate to the students the most common indications and procedures for preprosthetic surgery. They should also acquire knowledge and skills to recognize the odontogenic causes of maxillary pathology and adequate treatment. In the course of clinical practice and lectures, they have to analyse the clinical condition and radiolographic images needed in the diagnostics and therapy of cystical alterations in the jaw. Throughout the differential diagnostics, the student will be tought to differentiate benign from malignant tumors. Through a clinical exercise, introduce a student into assisting surgeons during dento-alveolar operations, students will acquire the skill of assisting as well preparing the patient for the surgical procedure .
Predvideni študijski rezultati:	**Intended learning outcomes:**
Znanje in razumevanje: Obvladali in naučili se bodo razlikovati med cističnimi spremembami v območju čeljusti, možnostmi kirurškega zdravljenja in diferencialno diagnostiko patoloških sprememb v ustni votlini. Prepoznali bodo najpogostejše odontogene tumorje in druge benigne tumorje čeljusti in ust. Naučili se bodo diagnosticirati in določiti indikacijo za predkirurške kirurške postopke in opisati možnosti preprotetskih kirurških posegov. Z asistiranjem pri operacijah dentoalveolarne kirurgije se bodo spoznali z najpogostejšimi oralno-kirurškimi posegi in obvladali tehniko asistiranja, priprav bolnika za poseg ter postoperativno nego. Znanja in spretnosti so podrobneje opisane v Katalogu znanj in spretnosti.	Knowledge and understanding: The student will manage the diagnostics and treatment of cystic lesions of the jaw and mouth. Further, he will be introduced to the clinical aspects of the sinus pathology related to odontogenic causes. He will learn the most common odontogenic tumors and their clinical outcomes. He will learn the indications for preprosthetic surgery. By assisting surgeons during dento-alveolar operations, students will acquire the skill of assisting and preparing the patient for the surgical procedure. Knowledge and skills are described in more detail in the Catalogue of Knowledge and Skills.
Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja Seminarji Klinične vaje	Lectures Seminars Clinical training

Načini ocenjevanja:	**Delež (v %) / Weight (in %)**	**Assessment:**
Način (pisni izpit, ustno izpraševanje, naloge, projekt)		Type (examination, oral, coursework, project):
Praktični izpit	25 %	Practical exam
Kolokvij	15 %	Midterm exam
Ustni izpit	60 %	Oral exam

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Reference nosilca / Lecturer's references:

1.Planinić D, Dubravica I, Šarac Z, Poljak-Guberina R, Celebic A, Bago I, Ćabov T, Peric B. Comparison of different surgical procedures on the stability of dental implants in posterior maxilla: A randomized clinical study. J Stomatol Oral Maxillofac Surg. 2021 Nov;122(5):487-493. doi: 10.1016/j.jormas.2020.08.004. Epub 2020 Aug 21. PMID: 32828993.

2. Lorencin I, Baressi Šegota S, Anđelić N, Blagojević A, Šušteršič T, Protić A, Arsenijević M, Ćabov T, Filipović N, Car Z. Automatic Evaluation of the Lung Condition of COVID-19 Patients Using X-ray Images and Convolutional Neural Networks. J Pers Med. 2021 Jan 4;11(1):28. doi: 10.3390/jpm11010028.

3. Anđelić N, Baressi Šegota S, Lorencin I, Jurilj Z, Šušteršič T, Blagojević A, Protić A, Ćabov T, Filipović N, Car Z. Estimation of COVID-19 Epidemiology Curve of the United States Using Genetic Programming Algorithm. Int J Environ Res Public Health. 2021 Jan 22;18(3):959. doi: 10.3390/ijerph18030959.

4. Lorencin I, Baressi Šegota S, Anđelić N, Mrzljak V, Ćabov T, Španjol J, Car Z. On Urinary Bladder Cancer Diagnosis: Utilization of Deep Convolutional Generative Adversarial Networks for Data Augmentation. Biology (Basel). 2021 Feb 26;10(3):175. doi: 10.3390/biology10030175.

5. Musulin J, Štifanić D, Zulijani A, Ćabov T, Dekanić A, Car Z. An Enhanced Histopathology Analysis: An AI-Based System for Multiclass Grading of Oral Squamous Cell Carcinoma and Segmenting of Epithelial and Stromal Tissue. Cancers (Basel). 2021 Apr 8;13(8):1784. doi: 10.3390/cancers13081784.

6. . Musulin J, Baressi Šegota S, Štifanić D, Lorencin I, Anđelić N, Šušteršič T, Blagojević A, Filipović N, Ćabov T, MarkovaCar E. Application of Artificial Intelligence-Based Regression Methods in the Problem of COVID-19 Spread Prediction: A Systematic Review. Int J Environ Res Public Health. 2021 Apr 18;18(8):4287. doi: 10.3390/ijerph18084287.

7. Ćabov T, Nola Fuchs P, Zulijani A, Ćabov Ercegović L, Marelić S. Odontomas:Pediatric case report and review of the literature. Acta Clin Croat 2021;60:146-152.

8. Kinkela Devčić M, Simonić-Kocijan S, Prpić J, Paškovic I, Ćabov T, Kovač Z, Glažar I. Oral Candidal Colonization in Patients with Different Prosthetic Appliances. J Fungi (Basel). 2021 Aug 16;7(8):662. doi: 10.3390/jof7080662.

9. Ćabov T, Legović A, Ćabov Ercegović L, Zulijani A. Role of panoramic radiography inthe indentification of dental anomalies and disturbed development of the dentition. World J Dent 2021;12(4):271-277.

10. Ćabov T, Eljuga K, Fuchs PN, Devcic MK, Prpic J, Kovac Z, Puharic Z, Glazar I, Zulec M. Oral Health Knowledge, Attitude, and Behavior of Nursing and Technical Students in Croatia. Eur J Dent. 2022 Feb;16(1):102-108. doi: 10.1055/s-0041-1731852. Epub 2021 Aug 24. PMID: 34428841; PMCID: PMC8890930.

11.Kovac Z, Ćabov T, Blaskovic M, Morelato L. Regeneration of Horizontal Bone Defect in Edentulous Maxilla Using the Allogenic Bone-Plate Shell Technique and a Composite Bone Graft-A Case Report. Medicina (Kaunas).2023 Ma2023 Mar 2;59(3):494. doi: 10.3390/medicina59030494. PMID: 36984495; PMCID: PMC10053208.