2026/2027

Univerza v Mariboru
Medicinska fakulteta

UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION			
Predmet:	**Infekcijske bolezni**		
Subject Title:	**Infectious Diseases**		
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 subject code:	

Predavanja Lectures	**Seminar Seminar**	**Vaje Tutorial**	**Klinične vaje Clinical training**	**Druge oblike študija Other forms of study**	**Samost. delo Individual work**	**ECTS**
15	**15**		**15**		**45**	**3**

Nosilec predmeta / Lecturer:	**Doc. dr. Nina Miksić Gorišek**

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

Pogoji za vključitev v delo oz. za opravljanje študijskih obveznosti:	**Prerequisites:**
POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA: opravljeni seminarji in obvezna prisotnost na predavanjih/seminarjih	REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: completed seminar paper and attendance at lectures/seminars
Vsebina:	**Content (Syllabus outline):**
Uvod v infekcijske bolezni, klinični in laboratorijski znaki vnetja. Osnove antibiotičnega zdravljenja in profilakse. Obravnava patogenezo, klinične znake, diagnostiko in zdravljenje infekcijskih bolezni. Poglobljena obravnava infekcijskih bolezni s poudarkom na ustni votlini: -bakterijske, virusne in glivične okužbe v ustni votlini in tiste s klinično manifestacijo v področju glave/vratu -odotogene okužbe in zapleti odontogenih okužb, -neodontogene okužbe ustne votline in zapleti, -cervikalni limfadenitis, -okužbe globokih prostorov obraza s širjenjem v okoliške strukture, nekrotizirajoče okužbe v področju glave in vratu, - virusne okužbe (herpes virusne okužbe, HIV, virusni hepatitisi), - imunsko oslabel bolnik, - preprečevanje prenosa okužb v stomatologiji - prepoznava nujnih stanj v infektologiji in osnovni ukrepi	Introduction to infectious diseases, clinical and laboratory signs of infectious diseases. Basic principles of antibiotic therapy and prophylaxis. We wil focus on special topics in infectious diseases related to oral cavity: - Bacterial, viral and fungal infections in oral cavity and sistemyc infections with clincal manifestations in oral cavity - Odontogenic infections and their progression in the neighboring tissues, systemic complications of local odontogenic infection - Viral infections (HIV, viral hepatitis etc) - Infections in immunocompromised host - Infection control in dental medicine - Infectious diseases emergencies basics Infectious diseases in dental medicine: Students shall learn about clinical signs, diagnostic approaches and treatment strategies in patients with infectious diseases. Many infectious diseases, including HIV, hepatitis, tuberculosis and syphilis, are important both because of their potential transmissibility and because the first manifestations

Tematsko posodabljanje predavanj zahteva dodatek ali razširitev poglavij s spoznanji o vse bolj aktualnih okužbah (okužbe pri imunsko oslabljenih osebah, okužbe v povezavi z umetnim materialom, bolnišnične okužbe). Infektologija na področju dentalne medicine: Študent mora spoznati in obvladati diagnostični in terapevtski pristop pri bolniku s sumom na infekcijsko bolezen ustne votline, glave in vratu oziroma pri vročičnem bolniku z urgentnim infekcijskim obolenjem. Spoznati mora značilnosti okužb pri bolnikih z ohranjeno ali okvarjeno imunostjo in/ali vgrajenimi umetnimi materiali, ter potrebne zaščitne ukrepe za preprečevanje nalezljivih bolezni. **Opis obravnavanih tem:** 1. Uvod v infektologijo 2. Etiologija in patogeneza okužb v ustni votlini 3. Odontogene okužbe v ustni votlini in zapleti s širjenjem v okolico (v kost, periostalno, submadibularno, retrofaringealno, v prsni koš-mediastinitis) ali hematogeno (infekcijski endokarditis). 4. Okužbe globokih prostorov obraza 5.Neodontogene okužbe (akutno vnetje žrela, aftozni stomatitis, mukozitis pri imunsko oslabelih, tuberkuloza, aktinomikoza, spremembe v ustih v sklopu sistemskih virusnih, bakterijskih in glivičnih okužb, oportunistčne okužbe v ustni votlini pri bolnikih z oslabljeno imunostjo), cervikalni limfadenitis, virusne okužbe (HIV, hepatitisi) 6. Akutne okužbe dihal (virusne, bakterijske) 7. Antibiotično zdravljenje okužb v ustni votlini in antibiotična zaščita, cepljenje 8. Ukrepi za preprečevanje prenosa okužb v stomatologiji in ukrepi ob incidentu	of the disease may appear in the oral cavity. A knowledge of these diseases will allow the practitioner to recognize it and to take appropriate steps to minimize the risk of transmission in the dental office. Themes: 1.Introduction to Infectious diseases 2. Etiology of infectious diseases in oral cavity 3.Odontogenic infections and local (local spread into the bone, submandibular, retropharyngeal area, mediastinal area) and systemic complications (endocarditis, sepsis). 4. Deep neck space infections 5. Infections in oral cavity (tonsillitis/pharyngitis, aphthous stomatitis, mucositis in immunocompromised, tuberculosis, actinomycosis, herpetic lesions, opportunistic infections in oral cavity etc.), cervical lymphadenitis, viral infections (HIV, hepatitis) 6. Acute respiratory tract infections 7. Antibiotic therapy and prophylaxis, vaccines 8. Infection control measures in dental medicine

Temeljni literatura in viri / Textbooks:

Temeljna

1. Tomažič J, Strle F. Infekcijske bolezni, Ljubljana, Združenje za infektologijo. Slovensko zdravniško društvo. II. izdaja 2017

Dodatna:

2. Mandell, Douglas in Bennett. Priciples and Practice of Infectious Diseases, 9th Edition, Churchill Livingstone 2019.
3. Beović, Strle, Čižman, Tomažič (uredniki). Infektološki simpoziji, Medicinski razgledi. Ljubljana, v l. 1995-2023
4. Čižman M, Beović B . Priročnik za ambulantno predpisovanje protmikrobnih zdravil, Ljubljana: Akrkadia 2002
5. Kotnik-Kevorkijan B (urednik). Bedjaničevi simpoziji, Maribor 1997-2023.

Cilji:	**Objectives:**
Študent pri pouku spoznava epidemiološke, patofiziološke, etiopatogenetske in klinične značilnosti infekcijskih bolezni v ustni votlini, na v širšem področju glave in vratu, lastnosti povzročiteljev (patogenost, virulenca, itd.) in gostiteljev (dovzetnost, nagnjenost, itd.) ter njihove medsebojne odnose. Spozna in zna razlikovati bolezenska dogajanja pri različnih patogenetskih oblikah infekcijskih bolezni (tako lokalnih, kot sistemskih). Seznani se s posebnostmi anamneze in klinične preiskave pri infekcijskih boleznih, mikrobiološkim in serološkim dokazovanjem	Students learn about epidemiological, patho-physiological, etio-pathogenetic and clinical characteristics of infectious diseases in dental medicine, causative agent (pathogenic potential, virulence, etc.) and host (susceptibility, inclination, etc.) properties and their interrelations. They learn to distinguish between different pathogenetic forms of infectious diseases (local as well as systemic). They get acquainted with specificity of anamnesis and clinical examination in infectious diseases, microbiological verification of causative agents, basics

povzročiteljev, osnovami racionalne uporabe antibiotikov, kemo- in imunoprofilakse. Tako razume bolezenska dogajanja nalezljivih bolezni ustne votline in je sposoben samostojno ocenjevati načine preprečevanja in zdravljenja teh bolezni.	of rational use of antibiotics, chemo- and immunoprophylaxis, and with current epidemiological situation in infectious diseases. Thus, they understand pathological occurrences and can independently consider possible preventive measures and treatment of these diseases.
Znanje in razumevanje: - prepoznavanje klinične slike - uvajanje diagnostičnih preiskav - diferencialno-diagnostična presoja - zdravljenje bolezni	Knowledge and Understanding: - recognition of clinical picture - implementation of diagnostic investigations - differential-diagnostic evaluation - treatment of diseases
Prenesljive/ključne spretnosti in drugi atributi: - poznavanje osnovnih higienskih principov - obvladovanje antibiotične profilakse in zdravljenja	Transferable/Key Skills and other attributes: - knowledge of the basic principles of hygiene - knowledge of antibiotic prophylaxis and treatment
Metode poučevanja in učenja:	**Learning and teaching methods:**
Predavanja (avdio-vizualna podpora) Seminarji Klinične vaje	Lectures (with audio-visual support) Seminars Clinical training

Načini ocenjevanja:	**Delež (v %) / Weight (in %)**	**Assessment:**
- pisni izpit OPOMBE: ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: predavanja, seminarji, vaje	100 %	- written exam NOTES: ACADEMIC OBLIGATIONS OF STUDENTS: lectures and coursework

Reference nosilca / Lecturer`s references:

1. Papst L, Luzzati R, Carević B, Tascini C, Gorišek Miksić N, Vlahović Palčevski V, Djordjevic ZM, Simonetti O, Sozio E, Lukić M, Stevanović G, Petek D, Beović B. Antimicrobial Use in Hospitalised Patients with COVID-19: An International Multicentre Point-Prevalence Study. Antibiotics (Basel). 2022 Jan 28;11(2):176. doi: 10.3390/antibiotics11020176. PMID: 35203779; PMCID: PMC8868464.
2. HORVAT, Matjaž, ROBNIK, Barbara, BIZJAK, Katarina, VUZEM, Sanja, GORIŠEK MIKSIĆ, Nina. Audit of post-splenectomy prophylaxis in a single tertiary center in Slovenia : where are we and what should be done?. *Surgical infections*. 2021, vol. 22, no. 3, str. 292-298. ISSN 1557-8674. https://doi.org/10.1089/sur.2020.038, https://www.liebertpub.com/doi/10.1089/sur.2020.038, DOI: 10.1089/sur.2020.038. [COBISS.SI-ID 37859843]
3. ŽNIDARIČ, Matej, VOGRIN, Matjaž, MOLIČNIK, Andrej, MUJEZINOVIĆ, Faris, KAVČIČ, Niko, GORIŠEK MIKSIĆ, Nina. Perioperative antibiotic prophylaxis in a single tertiary hospital in Slovenia - the role of education in recommendation compliance = Predpisovanje perioperativne antibiotične zaščite v Sloveniji - vloga edukacije pri izboljšanju predpisovanja. *Acta medico-biotechnica : AMB*. [Tiskana izd.]. 2021, vol. 14, [no.] 2, str. 11-19, ilustr. ISSN 1855-5640. https://dk.um.si/IzpisGradiva.php?id=83660, https://journals.um.si/index.php/amb/article/view/2037, http://www.dlib.si/details/URN:NBN:SI:doc-STPYJH4G, https://dk.um.si/IzpisGradiva.php?id=83660, DOI: 10.18690/actabiomed.224. [COBISS.SI-ID 89684739]
4. Antonič M, Petrovič R, Gorišek Miksić N. THERMOACTIVE NITINOL CLIPS AS PRIMARY AND SECONDARY STERNAL CLOSURE AFTER CARDIAC SURGERY - FIRST EXPERIENCE IN SLOVENIA. Acta Clin Croat. 2022 Feb;60(3):435-440. doi: 10.20471/acc.2021.60.03.14. PMID: 35282482; PMCID: PMC8907949.
5. Antonič M, Djordjević A, Jurič P, Pirnat M, Gorišek Miksić N. Mycoplasma hominis Ascending Aortic Graft Infection Successfully Treated With Graft Preservation Using Negative Pressure Wound Therapy With Instillation and Dwell Time. Wounds. 2020 Dec;32(12):E67-E70. PMID: 33476287.