



Univerza v Mariboru

Medicinska fakulteta

UČNI NAČRT PREDMETA / COURSE SYLLABUS

Ime predmeta:	TROPSKA MEDICINA
Course title:	TROPICAL MEDICINE

Študijski program in stopnja Study programme and cycle	Študijska smer Study option	Letnik Year of study	Semester Semester
Splošna medicina, enovit magistrski študijski program		Peti, šesti	9., 11.
General medicine, Uniform master's degree study program		Fifth, sixth	9th, 11th

Vrsta predmeta (obvezni ali izbirni) /
Course type (compulsory or elective)

Izbirni

Elective

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
5	40	AV LV RV			45	3

Nosilec predmeta / Course coordinator:

Doc. dr. Nina Gorišek Miksić

Jeziki /Languages:

Predavanja / Lectures:

slovenski/slovene

Vaje / Tutorial:

slovenski/slovene

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

Prerequisites for enrolling in the course or for performing study obligations:

Vsebina (kratek pregled učnega načrta):

Študenti se bodo seznanili s pristopom k bolniku s sumom na infekcijsko bolezen po vrnitvi iz tropskih krajev oziroma s potovanj. Spoznali bodo značilnosti

Content (syllabus outline):

The students will get an insight to a rational approach to the returning travelers with possible infection. They will learn about different clinical patterns of most common

okužb, ki so vezane na posamezne organe oziroma organske sisteme (npr. prebavil, kože in mehkih tkiv) in nekaterih bolezenskih stanj.

Seznani se bodo z etiologijo, epidemiologijo, diagnostiko, diferencialno diagnostiko, zdravljenjem in preprečevanjem okužb na potovanjih.

SKLOPI PREDAVANJ IN SEMINARJEV:

Parazitarne okužbe:

- malarija
- tripanosomoza
- lešmanioza
- shistosomoza in okužbe z drugimi metljaji
- okužbe s črevesnimi nematodi (*Enterobius vermicularis*, *Ascaris lumbricoides*, *Trichuris trichura*, *Ancylostoma duodenale*, *Necator americanus*, *Strongyloides stercoralis*)
- okužbe s tkivnimi nematodi (trihinoza, drakunkuloza, filarioza, onhokercioza)
- okužbe z amebami
- giardioza
- okužbe z *Isospora belli*, *Sarcocystis* spp., *Balantidium coli*, *Cyclospora cayentanensis*
- ektoparazitoze (miza)
- okužbe s trakuljami
- toksokarioza in očesna larva migrans
- kožna larva migrans

Virusne okužbe:

- okužbe z virusi hepatitisa
- okužbe s HIV
- hemoragične mrzlice:
 1. rumena mrzlica
 2. denga
 3. okužbe s Hantavirusi
 4. mrzlica Lassa
 5. mrzlica Ebola
 6. mrzlica Marburg
 7. krimsko-kongoška hemoragična mrzlica
 8. hemoragična mrzlica Omsk
- okužbe z alfavirusi (*Chikungunya*, *O'nyong-nyong*, Ross river)
- japonski encefalitis
- okužba z virusom West Nile
- okužba s Toscana virusom
- steklina
- poliomielitis
- gripa
- SARS
- ptičja gripa

Rikecizioze:

- mrzlica Skalnega gorovja

travel-associated infectious diseases. The aim of this course is to get knowledge about etiology, epidemiology, clinical picture, pathogenesis, diagnostics, differential diagnostics, treatment and prevention of most common infectious diseases in tropics.

LECTURES AND SEMINARS

Parasitic infections:

- malaria
- trypanosomiasis
- leishmaniasis
- schistosomiasis and infections with other flukes
- infections with intestinal nematodes (*Enterobius vermicularis*, *Ascaris lumbricoides*, *Trichuris trichura*, *Ancylostoma duodenale*, *Necator americanus*, *Strongyloides stercoralis*)
- infections with tissue nematodes (trichinosis, dracunculiasis, filariasis, onchocerciasis)
- amebic infections
- giardiasis
- infections with *Isospora belli*, *Sarcocystis* spp., *Balantidium coli*, *Cyclospora cayentanensis*
- ectoparasitic disease (myiasis)
- infections with cestodes
- toxocariasis and ocular larva migrans
- cutaneous larva migrans

Viral infections:

- viral hepatitis
- HIV infections
- haemorrhagic fevers:
 1. yellow fever
 2. dengue fever
 3. infections with Hantaviruses
 4. Lassa fever
 5. Ebola fever
 6. infections with Marburg virus
 7. Crimean-Congo haemorrhagic fever
 8. Omsk haemorrhagic fever
- infections with alphaviruses (*Chikungunya*, *O'nyong-nyong*, Ross river)
- Japanese encephalitis
- infections with West Nile virus
- infections with Toscana virus
- rabies
- poliomyelitis
- influenza
- SARS
- avian influenza

Rickettsial diseases:

- Rocky Mountain spotted fever

- Mediteranska mrzlica - rikecijske koze - epidemični tifus (pegavica) - mišji tifus - Japonska rečna mrzlica (scrub tifus) Prionske bolezni: - kuru Bakterijske okužbe: - kuga - tifus - paratifus - kolera - melioidoza - tuberkuloza - gobavost - bartoneloze - okužbe s treponemami (yaws, pinta, bejel) - leptospiroza - gonoreja - sifilis - klamidijske okužbe (limfogranuloma venereum, trahom) - čankroid - vročica po ugrizu podgane - Donovanozo (granuloma inguinale) - povratna vročica Glivne okužbe: - histoplazmoza - blastomikoza - kokcidomikoza - parakokcidomikoza	- Mediterranean fever - Rickettsialpox - epidemic or louse-borne typhus - murine typhus - scrub typhus Prionic diseases: - kuru Bacterial infections: - plague - typhoid fever - paratyphoid fever - cholera - melioidosis - tuberculosis - leprosy - infections with Bartonella spp. - treponemal infections (yaws, pinta, bejel) - leptospirosis - gonorrhea - syphilis - chlamydial infections (lymphogranuloma venereum, trachoma) - chancroid - rat bite fever - granuloma inguinale (donovaniosis) - relapsing fever Fungal infections: - histoplasmosis - blastomycosis - coccidiomycosis - paracoccidiomycosis
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Temeljni literatura in viri / Reading materials:

- Mandel GL, Bennett JE, Dolin R. Principles and practice of infectious diseases. Churchill Livingstone, Philadelphia, 2005.
- Warrell DA, Cox TM, Firth JD. Oxford text book of medicine: Infection including tropical infections, Oxford C&C Offset Printing, 2012.
- Cook GC, Zumla AL. Manson's Tropical diseases, Saunders 2003.
- Guerrant RL, Walker DH, Weller PF. Tropical infectious diseases. Principles, Pathogenesis and Practice. Churchill Livingstone, Elsevier, Philadelphia, 2006. (Vol 1 in vol 2).
- Marolt-Gomišček M, Radšel-Medvešček A. Infekcijske bolezni, Tangram, Ljubljana 2005

Cilji in kompetence:

Objectives and competences:

Študentje se bodo seznanili z etiologijo, epidemiologijo, klinično sliko, patogenezo, diagnostiko, diferencialno diagnostiko, zdravljenjem in preprečevanjem najpogostejših okužb na potovanjih in v tropskih krajih.

The aim of this course is to get knowledge about etiology, epidemiology, clinical picture, pathogenesis, diagnostics, differential diagnostics, treatment and prevention of most common infectious diseases in tropics.

Predvideni študijski rezultati:

Znanje in razumevanje:

- prepoznavanje kliničnih slik najpogostejših okužb iz tropskih krajev
- racionalni pristop k njihovi diagnostiki in zdravljenju
- diferencialno diagnostična presoja
- seznanjenost z možnimi načini preprečevanja različnih okužb iz tropskih krajev.

Prenesljive/ključne spretnosti in drugi atributi:

Diferencialno-diagnostično prepoznavanje tropskih bolezni in takojšnje ukrepanje.

Intended learning outcomes:

Knowledge and Understanding:

- ability to recognize major infectious disease patterns and syndromes in returned traveler
- rational diagnostic approach to most common infectious diseases in tropics and their treatment
- approach to differential diagnosis of major disease patterns
- possible prevention measures for most common infectious diseases in tropics

Transferable/Key Skills and other attributes:

Differential-diagnostic recognition of tropical diseases and taking prompt action.

Metode poučevanja in učenja:

1. predavanja
2. seminarji

Learning and teaching methods:

1. lectures
2. seminars

Delež (v %) /

Share (in %)

Načini ocenjevanja:

Assessment methods:

Način (pisni izpit, ustno izpraševanje, naloge, projekt) 1. seminar 2. pisni izpit ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: predavanja, seminarji. POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA: opravljeni seminarji in prisotnost na predavanjih.	40 60	Type (examination, oral, coursework, project): 1. seminar 2. written exam ACADEMIC OBLIGATIONS OF STUDENTS: lectures, coursework. REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: completed coursework assignments and attendance at lectures.
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Reference nosilca / Course coordinator's references:

1. LORA-TAMAYO, Jaime, GORIŠEK MIKSIĆ, Nina, TREBŠE, Rihard, et al. The not-so-good prognosis of Streptococcal periprosthetic joint Infection managed by implant retention : the results of a large multicenter study. *Clinical infectious diseases*, ISSN 1058-4838. [Print ed.], Jun. 2017, vol. 64, iss. 12, str. 1742-1752, ilustr. <https://academic.oup.com/cid/article-lookup/doi/10.1093/cid/cix227>, doi: [10.1093/cid/cix227](https://doi.org/10.1093/cid/cix227). [COBISS.SI-ID [1539442628](https://cobiss.si/id/1539442628)]

2. URŠIČ, Tina, GORIŠEK MIKSIĆ, Nina, LUSA, Lara, STRLE, Franc, PETROVEC, Miroslav. Viral respiratory infections in a nursing home : a six-month prospective study. *BMC infectious diseases*, ISSN 1471-2334, Nov. 2016, vol. 16, no. 1, str. 1-9. <https://bmcinfectdis.biomedcentral.com/articles/10.1186/s12879-016-1962-8>, doi: [10.1186/s12879-016-1962-8](https://doi.org/10.1186/s12879-016-1962-8). [COBISS.SI-ID [32921817](#)]

3. GORIŠEK MIKSIĆ, Nina, URŠIČ, Tina, SIMONOVICH, Zoran, LUSA, Lara, LOBNIK ROJKO, Polona, PETROVEC, Miroslav, STRLE, Franc. Oseltamivir prophylaxis in controlling influenza outbreak in nursing homes : a comparison between three different approaches. *Infection*, ISSN 0300-8126, Feb. 2015, vol. 43, issue 1, str. 73-81, ilustr., doi: [10.1007/s15010-014-0703-4](https://doi.org/10.1007/s15010-014-0703-4). [COBISS.SI-ID [31749849](#)]

4. GORIŠEK MIKSIĆ, Nina. Spinal infections with and without hardware : the viewpoint of an infectious disease specialist. *European journal of orthopaedic surgery & traumatology*, ISSN 1633-8065, 2013, vol. 23, suppl. 1, str. S21-S28. http://download.springer.com/static/pdf/360/art%253A10.1007%252Fs00590-013-1239-5.pdf?auth66=1397115869_51b5ac5a87d3ece64cd7202831bdc9ea&ext=.pdf, doi: [10.1007/s00590-013-1239-5](https://doi.org/10.1007/s00590-013-1239-5). [COBISS.SI-ID [4941887](#)]

5. GORIŠEK MIKSIĆ, Nina, OREŠKOVIĆ, Slavko, BUT, Igor. Salmonella ovarian abscess in young girl presented as acute abdomen - case report. *Collegium antropologicum*, ISSN 0350-6134, 2011, vol. 35, no. 1, str. 223-225. [COBISS.SI-ID [3867199](#)]