


**UČNI NAČRT PREDMETA / COURSE SYLLABUS**

<b>Ime predmeta:</b>	<b>TROPSKA MEDICINA</b>
<b>Course title:</b>	<b>TROPICAL MEDICINE</b>

<b>Študijski program in stopnja</b> <b>Study programme and cycle</b>	<b>Študijska smer</b> <b>Study option</b>	<b>Letnik</b> <b>Year of study</b>	<b>Semester</b> <b>Semester</b>
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:**

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<b>Predavanja</b> <b>Lectures</b>	<b>Seminar</b> <b>Seminar</b>	<b>Vaje</b> <b>Tutorial</b>			<b>Klinične vaje</b> <b>Clinical training</b>	<b>Druge oblike študija</b> <b>Other forms of study</b>	<b>Samost. delo</b> <b>Individual work</b>	<b>ECTS</b>
		<b>AV</b>	<b>LV</b>	<b>RV</b>				
5	40						45	3

**Nosilec predmeta / Course coordinator:**

Doc. dr. Nina Gorišek Miksić
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**Jeziki /Languages:**

**Predavanja / Lectures:** slovenski/slovene

**Vaje / Tutorial:** slovenski/slovene

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

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

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

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

**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 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**

## 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, onhocerkoza)
- okužbe z amebami
- giardioza
- okužbe z Isospora belli, Sarcocystis spp., Balantidium coli, Cyclospora cayetanensis
- ektoparazitose (miza)
- okužbe s trakuljami
- toksokarioza in očesna larva migrans
- kožna larva migrans

### Virusne okužbe:

- okužbe z virusi hepatitisov
- 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
- poliomyelitis
- gripa
- SARS
- ptičja gripa

### Rikecioze:

- mrzlica Skalnega gorovja
- Mediteranska mrzlica
- rikecijske koze
- epidemični tifus (pegavica)
- mišji tifus
- Japonska rečna mrzlica (scrub tifus)

### Prionske bolezni:

### 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 cayetanensis
- 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
- Mediterranean fever
- Rickettsialpox
- epidemic or louse-borne typhus
- murine typhus
- scrub typhus

### Prionic diseases:

<ul style="list-style-type: none"> <li>- kuru</li> </ul> <p><b>Bakterijske okužbe:</b></p> <ul style="list-style-type: none"> <li>- kuga</li> <li>- tifus</li> <li>- paratifus</li> <li>- kolera</li> <li>- melioidoza</li> <li>- tuberkuloza</li> <li>- gobavost</li> <li>- bartoneloze</li> <li>- okužbe s treponemami (yaws, pinta, bejel)</li> <li>- leptospiroza</li> <li>- gonoreja</li> <li>- sifilis</li> <li>- klamidijske okužbe (limfogranuloma venereum, trahom)</li> <li>- čankroid</li> <li>- vročica po ugrizu podgane</li> <li>- Donovanova (granuloma inguinale)</li> <li>- povratna vročica</li> </ul> <p><b>Glivne okužbe:</b></p> <ul style="list-style-type: none"> <li>- histoplazmoza</li> <li>- blastomikoza</li> <li>- kokcidiomikoza</li> <li>- parakokcidiomikoza</li> </ul>
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<ul style="list-style-type: none"> <li>- kuru</li> </ul> <p><b>Bacterial infections:</b></p> <ul style="list-style-type: none"> <li>- plague</li> <li>- typhoid fever</li> <li>- paratyphoid fever</li> <li>- cholera</li> <li>- melioidosis</li> <li>- tuberculosis</li> <li>- leprosy</li> <li>- infections with Bartonella spp.</li> <li>- treponemal infections (yaws, pinta, bejel)</li> <li>- leptospirosis</li> <li>- gonorrhoea</li> <li>- syphilis</li> <li>- chlamydial infections (lymphogranuloma venereum, trachoma)</li> <li>- chancroid</li> <li>- rat bite fever</li> <li>- granuloma inguinale (donovaniosis)</li> <li>- relapsing fever</li> </ul> <p><b>Fungal infections:</b></p> <ul style="list-style-type: none"> <li>- histoplasmosis</li> <li>- blastomycosis</li> <li>- coccidiomycosis</li> <li>- paracoccidiomycosis</li> </ul>
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**Temeljni literatura in viri / Reading materials:**

<ul style="list-style-type: none"> <li>• Mandel GL, Bennett JE, Dolin R. Principles and practice of infectious diseases. Churchill Livingstone, Philadelphia, 2005.</li> <li>• Warrell DA, Cox TM, Firth JD. Oxford text book of medicine: Infection including tropical infections, Oxford C&amp;C Offset Printing, 2012.</li> <li>• Cook GC, Zumla AL. Manson's Tropical diseases, Saunders 2003.</li> <li>• Guerrant RL, Walker DH, Weller PF. Tropical infectious diseases. Principles, Pathogenesis and Practice. Churchill Livingstone, Elsevier, Philadelphia, 2006. (Vol 1 in vol 2).</li> <li>• Marolt-Gomišček M, Radšel-Medvešček A. Infekcijske bolezni, Tangram, Ljubljana 2005</li> </ul>
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**Cilji in kompetence:**

<p>Študentje se bodo seznanili z etiologijo, epidemiologijo, klinično sliko, patogenezo, diagnostiko, diferencialno diagnostiko, zdravljenjem in preprečevanjem najpogostejših okužb na potovanjih in v tropskih krajih.</p>
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**Objectives and competences:**

<p>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.</p>
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**Predvideni študijski rezultati:**

<p><b>Znanje in razumevanje:</b></p> <ul style="list-style-type: none"> <li>• prepoznavanje kliničnih slik najpogostejših okužb iz tropskih krajev</li> </ul>
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**Intended learning outcomes:**

<p><b>Knowledge and Understanding:</b></p> <ul style="list-style-type: none"> <li>• ability to recognize major infectious disease patterns and syndromes in returned traveler</li> </ul>
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<ul style="list-style-type: none"> <li>• racionalni pristop k njihovi diagnostiki in zdravljenju</li> <li>• diferencialno diagnostična presoja</li> <li>• seznanjenost z možnimi načini preprečevanja različnih okužb iz tropskih krajev.</li> </ul> <p>Prenesljive/ključne spretnosti in drugi atributi: Diferencialno-diagnostično prepoznavanje tropskih bolezni in takojšnje ukrepanje.</p>	<ul style="list-style-type: none"> <li>• rational diagnostic approach to most common infectious diseases in tropics and their treatment</li> <li>• approach to differential diagnosis of major disease patterns</li> <li>• possible prevention measures for most common infectious diseases in tropics</li> </ul> <p>Transferable/Key Skills and other attributes: Differential-diagnostic recognition of tropical diseases and taking prompt action.</p>
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#### Metode poučevanja in učenja:

<ol style="list-style-type: none"> <li>1. predavanja</li> <li>2. seminarji</li> </ol>
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#### Learning and teaching methods:

<ol style="list-style-type: none"> <li>1. lectures</li> <li>2. seminars</li> </ol>
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#### Načini ocenjevanja:

Delež (v %) /  
Share (in %)

#### Assessment methods:

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Delež (v %) / Share (in %)	Type (examination, oral, coursework, project):
<ol style="list-style-type: none"> <li>1. seminar</li> <li>2. pisni izpit</li> </ol> <p>ŠTUDIJSKE OBVEZNOSTI ŠTUDENTOV: predavanja, seminarji.</p> <p>POGOJI ZA PRISTOP K POSAMEZNEMU PREVERJANJU ZNANJA: opravljeni seminarji in prisotnost na predavanjih.</p>	<p><b>40</b> <b>60</b></p>	<ol style="list-style-type: none"> <li>1. seminar</li> <li>2. written exam</li> </ol> <p>ACADEMIC OBLIGATIONS OF STUDENTS: lectures, coursework.</p> <p>REQUIREMENTS FOR ACCESS TO INDIVIDUAL KNOWLEDGE CHECKING: completed coursework assignments and attendance at lectures.</p>

#### Reference nosilca / Course coordinator's references:

<p>1. 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. <a href="https://doi.org/10.1089/sur.2020.038">https://doi.org/10.1089/sur.2020.038</a>, <a href="https://www.liebertpub.com/doi/10.1089/sur.2020.038">https://www.liebertpub.com/doi/10.1089/sur.2020.038</a>, DOI: 10.1089/sur.2020.038. [COBISS.SI-ID 37859843], [JCR, SNIP, WoS do 21. 3. 2021: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0,20, Scopus do 15. 5. 2021: št. citatov (TC): 1, čistih citatov (CI): 1, čistih citatov na avtorja (CIAu): 0,20]</p> <p>2. ANTONIČ, Miha, DJORDJEVIĆ, Anže, JURIČ, Peter, PIRNAT, Maja, GORIŠEK MIKSIĆ, Nina. Mycoplasma hominis ascending aortic graft infection successfully treated with graft preservation using negative pressure wound therapy with instillation and dwell time. Wounds. Dec. 2020, vol. 32, no. 12, str. e67-e70, ilustr. ISSN 1943-2704. <a href="https://www.woundsresearch.com/article/mycoplasma-hominis-ascending-aortic-graft-infection-successfully-treated-graft-preservation">https://www.woundsresearch.com/article/mycoplasma-hominis-ascending-aortic-graft-infection-successfully-treated-graft-preservation</a>. [COBISS.SI-ID 44335363], [JCR, SNIP]</p> <p>3. ZAKOTNIK, Samo, KORVA, Miša, KNAP, Nataša, ROBNIK, Barbara, GORIŠEK MIKSIĆ, Nina, AVŠIČ-ŽUPANC, Tatjana. Complete coding sequence of a Chikungunya virus strain imported into Slovenia from Thailand in late 2018. Microbiology resource announcements. 2019, vol. 8, iss. 37, str. 1-3. ISSN 2576-098X. <a href="https://mra.asm.org/content/ga/8/37/e00581-19.full.pdf">https://mra.asm.org/content/ga/8/37/e00581-19.full.pdf</a>, DOI: 10.1128/MRA.00581-19. [COBISS.SI-ID 6767167],</p>
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[SNIP, WoS do 16. 5. 2021: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 0,50, Scopus do 2. 6. 2021: št. citatov (TC): 3, čistih citatov (CI): 3, čistih citatov na avtorja (CIAu): 0,50]