



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, novit magistrski študijski program		Peti, šesti	10., 11.
General medicine, Uniform master's degree study program		Fifth, sixth	10th, 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					45	3	
		AV	LV	RV				

Nosilec predmeta / Course coordinator:

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

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 okužb, ki so vezane na posamezne organe oziroma

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

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

Virusne okužbe:

- okužbe z virusi hepatitsov
- 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
- poliomiелitis
- gripa
- SARS
- ptičja gripa

Rikecioze:

- mrzlica Skalnega gorovja
- Mediteranska mrzlica

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 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

<ul style="list-style-type: none"> - rikecijske koze - epidemični tifus (pegavica) - mišji tifus - Japonska rečna mrzlica (scrub tifus) <p>Prionske bolezni:</p> <ul style="list-style-type: none"> - kuru <p>Bakterijske okužbe:</p> <ul style="list-style-type: none"> - 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 - Donovanioza (granuloma inguinale) - povratna vročica <p>Glivne okužbe:</p> <ul style="list-style-type: none"> - histoplazmoza - blastomikoza - kokcidiomikoza - parakokcidiomikoza 	<ul style="list-style-type: none"> - Rickettsialpox - epidemic or louse-borne typhus - murine typhus - scrub typhus <p>Prionic diseases:</p> <ul style="list-style-type: none"> - kuru <p>Bacterial infections:</p> <ul style="list-style-type: none"> - plague - typhoid fever - paratyphoid fever - cholera - melioidosis - tuberculosis - leprosy - infections with Bartonella spp. - treponemal infections (yaws, pinta, bejel) - leptospirosis - gonorrhoea - syphilis - chlamydial infections (lymphogranuloma venereum, trachoma) - chancroid - rat bite fever - granuloma inguinale (donovaniosis) - relapsing fever <p>Fungal infections:</p> <ul style="list-style-type: none"> - 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:

Študentje se bodo seznanili z etiologijo, epidemiologijo, klinično sliko, patogenezo, diagnostiko, diferencialno

Objectives and competences:

The aim of this course is to get knowledge about etiology, epidemiology, clinical picture, pathogenesis, diagnostics,

diagnostiko, zdravljenjem in preprečevanjem najpogostejših okužb na potovanjih in v tropskih krajih.	differential diagnostics, treatment and prevention of most common infectious diseases in tropics.
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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:

Diferencialno-diagnostično prepoznavanje tropskih bolezni in takojšnje ukrepanje.

Metode poučevanja in učenja:

1. predavanja
2. seminarji

Learning and teaching methods:

1. lectures
2. seminars

Načini ocenjevanja:

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.

Delež (v %) /

Share (in %)

40
60**Assessment methods:**

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.**Reference nosilca / Course coordinator's references:**

SEME, Katja, VRHOVAC, Maja, MOČILNIK, Tina, MATIČIČ, Mojca, LEŠNIČAR, Gorazd, BAKLAN, Zvonko, MEGLIČ-VOLKAR, Jelka, RAJTER, Mojca, ŠTEPEC, Srečko, LUNAR, Maja M., POLJAK, Mario. Hepatitis C virus genotypes in 1,504 patients in Slovenia, 1993-2007. Journal of medical virology, ISSN 0146-6615, 2009, letn. 81, št. 4, str. 634-639, doi: 10.1002/jmv.21427. [COBISS.SI-ID 25417945], [JCR, SNIP, WoS do 30. 12. 2013: št. citatov (TC): 13, čistih citatov (CI): 12, normirano št. čistih citatov (NC): 4, Scopus do 31. 12. 2013: št. citatov (TC): 14, čistih citatov (CI): 12, normirano št. čistih citatov (NC): 4]

SAJOVIC, Matjaž, LEŠNIČAR, Gorazd, DERNOVŠEK, Mojca Zvezdana. Septic arthritis of the knee following anterior cruciate ligament reconstruction. Orthopedic reviews, ISSN 2035-8164, 2009, let. 1, št. 1, e3 [str. 6-10]. [COBISS.SI-ID 423331]

LEŠNIČAR, Gorazd, BLATNIK, Janja, ŠIBANC, Branko, MILOTIĆ, Irena, SELIČ, Tanja, MATIČIČ, Mojca, FERLAN-MAROLT, Vera, SEME, Katja, LUNAR, Maja M., POLJAK, Mario. Naše izkušnje pri zdravljenju bolnikov s kroničnim hepatitisom B v Splošni bolnišnici Celje = Our experineece in the treatment of patients with chronic viral hepatitis B in Celje general hospital. V: LEŠNIČAR, Gorazd (ur.). Zbornik predavanj. Celje: Splošna bolnišnica, 2012, str. 93-118. [COBISS.SI-ID 513196]

SELIČ, Tanja, MATIČIČ, Mojca, POLJAK, Mario, SEME, Katja, LEŠNIČAR, Gorazd. Zdravljenje naivnih bolnikov s kroničnim hepatitisom v Splošni bolnici Celje v letih 2007-2012 = Treating of naïve patients with chronic hepatitis C in Celje general hospital from 2007-2012. V: LEŠNIČAR, Gorazd (ur.). Zbornik predavanj. Celje: Splošna bolnišnica, 2012, str. 119-130. [COBISS.SI-ID 512940]

LEŠNIČAR, Gorazd. Razvoj in prikaz dela Katedre za infektologijo Medicinske fakultete Univerze v Mariboru = Presentation of the development of the Chair of infectology at the Medical Faculty of the University of Maribor. V: REBERŠEK GORIŠEK, Jelka (ur.), SALETINGER, Rajko (ur.). Infektologija nekoč, danes, jutri : 80 let Oddelka za nalezljive bolezni in vročinska stanja in 7. Bedjaničev simpozij z mednarodno udeležbo, Maribor, 29.-30. maj 2009 : zbornik predavanj in praktikum. Maribor: Univerzitetni klinični center, 2009, str. 63-72. [COBISS.SI-ID 445347]