



UČNI NAČRT PREDMETA / SUBJECT SPECIFICATION

Predmet:	TROPSKA MEDICINA
Subject Title:	TROPICAL MEDICINE

Študijski program Study programme	Študijska smer Study field	Letnik Year	Semester Semester
EMŠP SPLOŠNA MEDICINA	SPLOŠNA MEDICINA	5 ali 6	10 ali 11

Univerzitetna koda predmeta / University subject code:

Predavanja Lectures	Seminar Seminar	Sem. vaje Tutorial	Lab. vaje Labor work	Teren. vaje Field work	Samost. delo Individ. work	ECTS
5	40	-	-	-	45	3

Nosilec predmeta / Lecturer: Izr. prof. dr. Gorazd Lešničar, dr. med., svetnik

Jeziki / Predavanja /
Languages: Vaje / Tutorial: Slovenski/ slovene
Slovenski /slovene

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

Prerequisites:

Vsebina:

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.

SKLOPI PREDAVANJ IN SEMINARJEV:

Parazitarne okužbe:

- malarija
- tripanosomoza
- lešmanioza
- shistosomoza in okužbe z drugimi metljaji
- okužbe s črevesnimi nematodi

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

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*)

- okužbe s tkivnimi nematodi (trihinoza, drakunkuloza, filarioza, onhocerkoza)
- okužbe z amebami
- giardioza
- okužbe z *Isospora belli*, *Sarcocystis* spp., *Balantidium coli*, *Cyclospora cayetanensis*
- ektoparazitoze (miazza)
- 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
- poliomiелitis
- gripa
- SARS
- ptičja gripa

Rikecioze:

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

Prionske bolezni:

- kuru

Bakterijske okužbe:

- kuga
- tifus
- paratifus

((*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
- toxocarosis 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:

- kuru

Bacterial infections:

- plague

- kolera
- melioidoza
- tuberkuloza
- gobavost
- bartoneloze
- okužbe s treponemami (yaws, pinta, bejel)
- leptospiroza
- gonoreja
- sifilis
- klamidijske okužbe (limfogranuloma venereum, trahom)
- čankroid
- vročica po ugrizu podgane
- Donovanova (granuloma inguinale)
- povratna vročica

Glivne okužbe:

- histoplazmoza
- blastomikoza
- kokcidiomikoza
- parakokcidiomikoza

- 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

Fungal infections:

- histoplasmosis
- blastomycosis
- coccidiomycosis
- paracoccidiomycosis

Temeljni literatura in viri / Textbooks:

1. Mandel GL, Bennett JE, Dolin R. Principles and practice of infectious diseases. Churchill Livingstone, Philadelphia, 2005.
2. Cook GC, Zumla AL. Manson's Tropical diseases, Saunders 2003.
3. Guerrant RL, Walker DH, Weller PF. Tropical infectious diseases. Principles, Pathogenesis and Practice. Churchill Livingstone, Elsevier, Philadelphia, 2006. (Vol 1 in vol 2).
4. Marolt-Gomišček M, Radšel-Medvešček A. Infekcijske bolezni, Tangram, Ljubljana 2005.

Cilji:

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

Predvideni študijski rezultati:

Objectives:

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.

Intended learning outcomes:

Znanje in razumevanje:

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

Prenesljive/ključne spretnosti in drugi atributi:

Diferencialno-diagnostično prepoznavanje tropskih bolezni in takojšnje ukrepanje.

Metode poučevanja in učenja:

1. predavanja
2. seminarji

Knowledge and Understanding:

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

Transferable/Key Skills and other attributes: "Diferencial-diagnostic recognition of tropical diseases and taking prompt action."

Learning and teaching methods:

1. lectures
2. seminars

Delež (v %) /
Weight (in %)

Načini ocenjevanja:**Assessment:**

Način (pisni izpit, ustno izpraševanje, naloge, projekt)	Delež (v %) / Weight (in %)	Type (examination, oral, coursework, project):
1. seminar	40	1. seminar
2. pisni izpit	60	2. written exam