

THE SCHEDULE OF TUTORIALS - „**PARASITOLOGY**” COURSE  
for FIRST-YEAR STUDENTS of FACULTY OF MEDICINE

**Wednesday**

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	28.03.2018 – groups 1A, 1B
2.	Protozoa of blood, body fluids and tissues.	04.04.2018 – groups 1A, 1B
3.	Parasitic flatworms.	11.04.2018 – groups 1A, 1B
4.	Parasitic nematodes.	18.04.2018 – groups 1A, 1B
5.	Medical arachno-entomology.	25.04.2018 – groups 1A, 1B

**Thursday**

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	29.03.2018 – groups 2A, 2B
2.	Protozoa of blood, body fluids and tissues.	05.04.2018 – groups 2A, 2B
3.	Parasitic flatworms.	12.04.2018 – groups 2A, 2B
4.	Parasitic nematodes.	19.04.2018 – groups 2A, 2B
5.	Medical arachno-entomology.	26.04.2018 – groups 2A, 2B

Teacher: dr hab. Celestyna Mila-Kierzenkowska

**LITERATURE**

**Basic:**

1. Parasitology for medical students (2<sup>nd</sup> edition). Buczek A. (editor), Koliber Lublin 2007

**Supplementary:**

1. Chomicz L. Guide to Medical Parasitology. (New compedium for medical students). Medical University of Warsaw, 2006

2. Ridley J.W – Parasitology for medical and clinical laboratory professionals, Delmar Cengage Learning, 2012

## **Tutorial No. 1 - Protozoa of the uro-genital tract, and alimentary tract and tissues.**

### I. Theory – to prepare at home

Invasion of parasitic protozoa:

- *Trichomonas vaginalis*
- *Trichomonas hominis*
- *Trichomonas tenax*
- *Entamoeba histolytica*
- *Entamoeba coli*
- *Giardia intestinalis*
- *Balantidium coli*
- *Naegleria fowleri*
- *Acanthamoeba castellanii*
- *Cryptosporidium parvum*

- a) biology
- b) epidemiology
- c) etiology, course and symptoms of disease
- d) diagnostics and treatment

### II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets.

## **Tutorial No. 2 - Protozoa of blood, body fluids and tissues.**

### I. Theory – to prepare at home

Invasion of parasitic protozoa:

- *Trypanosoma gambiense*
- *Plasmodium spp.*
- *Toxoplasma gondii*
- *Leishmania spp.*
- *Trypanosoma cruzi*

- a) biology
- b) epidemiology
- c) etiology, course and symptoms of disease
- d) diagnostics and treatment

### II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets.

## **Tutorial No. 3 - Parasitic flatworms.**

### I. Theory – to prepare at home

Invasion of flukes and tapeworms:

- *Fasciola hepatica*
- *Clonorchis sinensis*
- *Paragonimus westermani*
- *Schistosoma haematobium*
- *Schistosoma mansoni*
- *Schistosoma japonicum*
- *Diphyllobothrium latum*
- *Taenia saginata*
- *Taenia solium*
- *Echinococcus granulosus*
- *Echinococcus multilocularis*
- *Hymenolepis (Vampirolepis) nana*
- *Hymenolepis diminuta*

- *Diphylidium caninum*
- a) biology
  - b) epidemiology
  - c) etiology, course and symptoms of disease
  - d) diagnostics and treatment

### II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets.

## **Tutorial No. 4 - Parasitic nematodes**

### I. Theory – to prepare at home

Invasion of roundworms:

- *Enterobius vermicularis*
- *Ascaris lumbricoides*
- *Trichuris trichiura*
- *Trichinella spiralis*
- *Toxocara canis*
- *Toxocara cati*
- *Wuchereria bancrofti*
- *Onchocerca volvulus*
- *Loa loa*
- *Ancylostoma duodenale*
- *Mansonella ozzardi*
- *Anisakis sp.*

- a) biology
- b) epidemiology
- c) etiology, course and symptoms of disease
- d) diagnostics and treatment

### II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets.

## **Tutorial No. 5 - Medical arachno-entomology.**

### I. Theory – to prepare at home

Medical significance of selected parasitic arthropods:

- *Sarcoptes scabiei*
- *Ixodes ricinus*
- *Pediculus humanus*
- *Phthirus pubis*
- *Cimex lectularius*
- *Glossina palpalis*
- *Anopheles maculipennis*
- *Culex pipiens*
- *Pulex irritans*
- *Triatoma infestans*
- *Musca domestica*
- *Tunga penetrans*

- a) biology
- b) epidemiology
- c) etiology, course and symptoms of disease
- d) diagnostics and treatment

### II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets.