THE SCHEDULE OF TUTORIALS - **„PARASITOLOGY" COURSE** for 2ND-YEAR STUDENTS OF MEDICINE

Mondays

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	24.03.2025 – group 1A
2.	Protozoa of blood, body fluids and tissues.	31.03.2025 – group 1A
3.	Parasitic flatworms.	07.04.2025 – group 1A
4.	Parasitic nematodes.	14.04.2025 – group 1A
5.	Medical arachno-entomology.	28.04.2025 – group 1A

Tuesdays

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	25.03.2025 – group 1B
2.	Protozoa of blood, body fluids and tissues.	01.04.2025 – group 1B
3.	Parasitic flatworms.	08.04.2025 – group 1B
4.	Parasitic nematodes.	15.04.2025 – group 1B
5.	Medical arachno-entomology.	29.04.2025 – group 1B

Wednesdays

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	26.03.2025 – group 3
2.	Protozoa of blood, body fluids and tissues.	02.04.2025 – group 3
3.	Parasitic flatworms.	09.04.2025 – group 3
4.	Parasitic nematodes.	16.04.2025 – group 3
5.	Medical arachno-entomology.	23.04.2025 – group 3

Thursdays

No.	Topic	Date
1.	Protozoa of the uro-genital tract, and alimentary tract and tissues.	27.03.2025 – groups 2A, 2B
2.	Protozoa of blood, body fluids and tissues.	03.04.2025 – groups 2A, 2B
3.	Parasitic flatworms.	10.04.2025 – groups 2A, 2B
4.	Parasitic nematodes.	17.04.2025 – groups 2A, 2B
5.	Medical arachno-entomology.	24.04.2025 – groups 2A, 2B

Teacher: dr hab. Celestyna Mila-Kierzenkowska, prof. UMK

LITERATURE

Basic:

1. Parasitology for medical students (2nd edition). Buczek A. (editor), Koliber Lublin 2007
+ LECTURES

Supplementary:

1. Medical Parasitology. Leventhal R., Cheadle R.F. F.A. Davis Company, 2020
2. Essentials of Medical Parasitology. Bhat S., Sastry A.S. JP Medical Publishers, 2018

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 and epidemiology
b) etiology, course and symptoms of disease
c) 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 and epidemiology
b) etiology, course and symptoms of disease
c) 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 (Vampiriolepis) nana*
- *Hymenolepis diminuta*
- *Dipylidium 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-enthomology.

I. Theory – to prepare at home

Medical significance of selected parasitic arthropods:

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

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

II. Practice – during classes

Microscopic observation of selected specimens and in-class worksheets