

LECTURE PROGRAMME IN MICROBIOLOGY

Pharmacy students 2nd TERM - 2021/2022

Thursday 12.30-14.10 (2h.)

Lecturers: Prof. Dr. M. Petrov, MD, PhD (leading)
Prof. Dr. M. Murdjeva, MD, PhD
Dr. E. Hristozova, MD, PhD

1. Microbiological diagnosis of infectious diseases. Staphylococci, Streptococci.
2. Streptococcus pneumoniae. Mycobacterium tuberculosis. Mycobacterium leprae. Causative agents of mycobacteriosis.
3. Corynebacterium spp. Bordetella spp., Haemophilus spp., Neisseria spp.
4. Infections with high biological risk – Yersinia pestis, Vibrio cholerae, Bacillus anthracis.
5. Anaerobic bacteria – Clostridium tetani, Clostridium perfringens and other species, Clostridium botulinum. Non-spore forming anaerobes.
6. Francisella tulatensis, Legionella spp., Brucella spp. Facultative pathogenic enteric bacteria - E. coli, Klebsiella spp., Proteus spp.
7. Pathogenic enteric bacteria – Shigella spp., Salmonella spp., Salmonella typhi, Salmonella paratyphi A and B, Salmonella spp., causative agents of food poisoning.
8. Spirochetes. The causative agent of Syphilis. The causative agent of Relapsing fever. The causative agent of Lyme disease, Leptospira spp.
9. Mycoplasma spp., Chlamydia spp. Rickettsia spp., Coxiella spp., Ehrlichia spp., Bartonella spp.
10. Pathogenic fungi – Candida spp., Actinomycetes, Aspergillus, Cryptococcus.
11. Viruses – structure, characteristics, diagnosis. Picornaviridae.
12. Orthomyxoviridae, Paramyxoviridae. SARS-2 – causative agent of COVID-19.
13. Hepatitis viruses. The causative agent of AIDS (HIV).
14. Adenoviridae. Togaviridae, Flaviviridae, Bunyaviridae, Rhabdoviridae. Ebola.
15. Herpesviridae, Poxviridae.

Prof. Dr. M. Murdjeva, MD, PhD
Head of Dept. Microbiology and Immunology