



Approved by Dept. Council  
№6/12.09.2024

## LECTURE PROGRAMME IN MICROBIOLOGY

Medical students 2<sup>nd</sup> TERM - 2024/2025

Wednesday 07.45-09.15 (2h.), Lecture Hall- IV

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

Prof. Dr. M. Petrov, MD, PhD; Dr. E. Hristozova, MD, PhD; Dr. Y. Kalchev, 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. Anaerobic bacteria – Clostridium tetani, Clostridium perfringens and other species, Clostridium botulinum. Non-spore forming anaerobes.
5. Infections with high biological risk – Yersinia pestis, Vibrio cholerae, Bacillus anthracis.
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. Causative agent of COVID-19 (SARS-2).
13. Hepatitis viruses. The causative agent of AIDS (HIV).
14. Adenoviridae. Togaviridae, Flaviviridae, Bunyaviridae, Rhabdoviridae. Ebola.
15. Herpesviridae, Poxviridae.

Prof. Dr. M. Petrov, MD, PhD  
Head of Dept. medical microbiology and  
immunology „Prof. Dr. Elissay Yanev“