



Approved by Dept. Council
№11/09.09.2026

LECTURE PROGRAMME IN MICROBIOLOGY

Medical students 2nd TERM - 2026/2027

Wednesday 07:45-09:15 (2h.), Lecture Hall- IV

Lecturers: Prof. Dr. M. Petrov, MD, PhD

1. Cocci – staphylococci, streptococci.
2. Streptococcus pneumoniae. Mycobacterium tuberculosis. The causative agent of leprosy. Causative agents of mycobacteriosis.
3. Corynebacteria. Pertussis bacteria. Haemophilus spp.. Neisseria spp.
4. Anaerobes. Spore-forming – tetanus bacillus, gas gangrene bacilli, botulinum bacillus. Non-spore-forming anaerobes.
5. Causes of particularly dangerous infections. The causative agent of plague. Vibrio cholerae. Bacillus anthracis.
6. Causes of particularly dangerous infections. Brucella spp. Tularaemia bacterium. Legionellosis. Facultative pathogenic intestinal bacteria – Escherichia coli, Klebsiella spp., Proteus spp., and others.
7. Pathogenic enteric bacteria: Dysenteric bacteria. Salmonella - Salmonella typhi, Salmonella paratyphi A and B, Salmonella spp., causes of food poisoning.
8. Spirochetes. Cause of syphilis. Cause of typhus. Cause of Lyme disease. Leptospira. Spirilla.
9. Mycoplasma spp. and Rickettsia spp. Chlamydia spp.
10. Pathogenic fungi – Candida spp., Actinomyces, Aspergillus spp., Cryptococci.
11. Viruses – nature and properties. Picornaviruses.
12. Orthomyxoviruses. Paramyxoviruses. Cause of COVID-19 (SARS-CoV-2).
13. Adenoviruses. Togaviruses. Flaviviruses. Rhabdoviruses. Ebola and Zika viruses.
14. Hepatitis viruses. AIDS viruses.
15. Herpesviruses. Poxviruses.

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