



Approved by Dept. Council
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LECTURE PROGRAMME IN MICROBIOLOGY

Dental medicine students 2nd TERM - 2026/2027

Thursday 14:00-15:45 (2h.), Lecture Hall-III

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

1. Anaerobic bacteria – *Clostridium tetani*, *Clostridium perfringens* and other species, *Clostridium botulinum*. Non-spore forming anaerobes and their role in pathological processes in the oral cavity.
2. Causative agents of infections with high biological risk – *Yersinia pestis*, *Vibrio cholerae*, *Bacillus anthracis*, *Francisella tularensis*, *Brucella*, *Legionella*.
3. Facultative pathogenic enteric bacteria - *E. coli*, *Klebsiella* spp., *Proteus* spp. Pathogenic enteric bacteria – *Shigella* spp., *Salmonella* spp., *Salmonella typhi*, *Salmonella paratyphi* A and B, *Salmonella* spp., causative agents of food poisoning.
4. *Mycoplasma* spp., *Chlamydia* spp. *Rickettsia* spp., *Coxiella* spp., *Ehrlichia* spp., *Bartonella* spp. Pathogenic fungi – *Candida* spp., *Actinomycetes*.
5. Viruses – structure, characteristics, diagnosis. *Picornaviridae*. *Orthomyxoviridae*, *Paramyxoviridae*. Causative agent of COVID-19 (SARS-2).
6. Hepatitis viruses. The causative agent of AIDS (HIV).
7. *Adenoviridae*. *Togaviridae*, *Flaviviridae*, *Bunyaviridae*, *Rhabdoviridae*. *Herpesviridae*, *Poxviridae*.
8. Pathological processes in the oral cavity, caused by microorganisms – caries, parodontal diseases and oral mucous diseases.

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