

LECTURE PROGRAMME

IN MICROBIOLOGY

Dental medicine students 2nd TERM - 2021/2022

Thursday 14.00-15.40 (2h.)

Lecturers: Prof. Dr M. Petrov, MD, PhD (leading)
Prof. Dr. M. Murdjeva, MD, PhD
Dr. E. Hristozova, 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. Murdjeva, MD, PhD
Head of Dept. Microbiology and Immunology