


Department of Microbiology

APPROVE
Head of Department

 **I.E. Tretyakova**
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Thematic plan of practical classes

Discipline microbiology, virology, immunology - microbiology of the oral cavity

Course 2

Faculty of Dentistry (discipline partially implemented in English)

for the spring semester of 2023-2024 academic year

Topic number	Topic name	Lesson duration
1	Diseases of bacterial etiology with lesions of the oral mucosa. Staphylococcal infection in the mouth. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
2	Streptococcal infection. Etiology. Pathogenesis. Clinical manifestations in the oral cavity. Scarlet fever. Microbiological diagnostics. Treatment and prevention.	2
3	Epidemic meningitis and gonorrhoea. Etiology. Clinical manifestations in the oral cavity. Microbiological diagnostics. Treatment and prevention.	2
4	Diphtheria. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
5	Whooping cough. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	
6	Tuberculosis. Leprosy. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
7	Syphilis. Etiology. Pathogenesis. Clinical manifestations. Syphilis in the mouth. Microbiological diagnostics. Treatment and prevention.	2
8	Ulcerative necrotic gingivostomatitis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
9	Delivery of module No. 1.	2
10	Anaerobic infection. Tetanus. Botulism. Gas gangrene. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
11	Intestinal infection. Intestinal yersiniosis. Escherichiosis. Salmonellosis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
12	Dysentery. Cholera. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
13	Zoonotic bacterial infections. Anthrax. Brucellosis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and	2

	prevention.	
14	Chlamydia. Mycoplasmoses. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
15	Diseases of fungal etiology with lesions of the oral mucosa. Oral mucosal candidiasis. Etiology. Pathogenesis. Clinical picture. Microbiological diagnostics. Treatment and prevention.	2
16	Delivery of module No. 2.	2
17	Private virology. SARS. Influenza and coronavirus infection. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
18	Measles. Parotitis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
19	Herpes infection. Herpetic stomatitis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
20	Enteroviral infection. Coxsackievirus stomatitis (angina herpetiformis). Etiology. Pathogenesis. Microbiological diagnostics. Treatment and prevention.	2
21	Vesicular stomatitis. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
22	Hepatitis viruses B, C, D. Etiology. Pathogenesis. Clinical manifestations. Microbiological diagnostics. Treatment and prevention.	2
23	HIV infection. Etiology. Pathogenesis. Clinical manifestations. Manifestations of HIV infection in the oral cavity. Microbiological diagnosis of HIV infection. Treatment and prevention.	2
24	Delivery of module No. 3.	2
25	Infection control in dentistry. Antiseptics and disinfectants. Disinfection, pre-sterilization treatment and sterilization of dental instruments, burs, handpieces, turbines, materials, equipment.	2
26	Symbiosis of man with microbes. Microbiocenosis of the oral cavity. Resident microflora of the oral cavity. Dysbiosis. Microbiological diagnosis of oral dysbiosis.	2
27	The study of the microflora of purulent discharge in inflammatory diseases of the maxillofacial region. Technique of anaerobic cultivation of bacteria with quantitative accounting. Methods for identifying and determining the sensitivity of anaerobes to antibiotics.	2
28	Opportunistic stomatitis as a manifestation of immunodeficiency and HIV infection. The role of the immune system in the development of opportunistic processes.	2
29	Caries and cariogenic microflora. Microbiological methods for studying the microflora in dental caries and its complications. Computer karyogram.	2
30	Periodontitis. Periodontopathogenic microflora. Microbiological methods for studying the microflora in periodontal diseases. Tactics of antibiotic therapy of anaerobic infection of the maxillofacial region.	2
31	Gingivitis. Etiology. Pathogenesis. Microbiological diagnostics. Treatment and prevention.	2
32	Delivery of module No. 4.	2