

Approved»  
 Head of department  
 microbiology, virology,  
 immunology with a course of  
 clinical microbiology  
 Stepanenko I.S.

Protocol №10 30.01.24.

**Calendar-thematic lesson plan of seminary type  
 in the discipline "Microbiology, Virology - Microbiology of the oral cavity"  
 for students in the educational program  
 specialist in the specialty 31.05.03 Dentistry,  
 focus (profile) Dentistry,  
 Full-time form of education  
 for 2023-2024 academic year**

**End of semester – 29.05.2024**

№	Thematic blocks	Hours (academic)
1 07.02-10.02	Introduction to basic Microbiology. Materials and methods of research, their application in dentistry. General characteristics of bacterial intestinal infections. Principles of microbiological diagnostics. Esherihioz – biological properties of causative agents, pathogenesis, microbiological diagnostics. Representatives of gram-negative bacteria within the oral cavity microbiocenosis. Causative agents of bacterial dysentery: Shigella characteristics, principles of laboratory diagnosis, treatment and prevention.	2
2 12.02-17.02	Salmonella typhoid and paratyphoid A, B. Salmonella-foodborne pathogens. Microbiological characteristic. Etiopathogenesis. Changes in the oral cavity. Principles of laboratory diagnostics. Cholera. Biological properties of causative agents, the pathogenesis of the disease. Manifestations in the oral cavity. Microbiological diagnostics, specific prevention and treatment.	2
3 19.02-24.02	<b>Colloquium on the topics covered.</b>	2
4 26.02-02.03	Pathogenic cocci. General characteristic. Staphylococcus aureus: microbiological characteristics. Diseases caused by staphylococci. The role of carrier of pathogenic staphylococci in the oral cavity. Microbiological diagnostics, specific prevention and therapy. Streptococci, pneumococci. Biological properties, their laboratory diagnosis. The role of streptococci in the development of dental caries and dental pathology.	2
5 04.03-09.03	Gram-negative cocci: gonococci and meningococci. Representatives of Neisseria that live in the mouth. Microbiological characteristic. Principles of laboratory diagnostics.	2
6 11.03-16.03	Causative agents of respiratory infections: diphtheria, whooping cough. Microbiological characteristics, etiopathogenesis of diseases, manifestations in the oral cavity. Laboratory diagnostics, specific prevention and therapy.	2
7 18.03-23.03	Pathogenic mycobacteria: tuberculosis, leprosy. Biological properties, principles of laboratory diagnostics, specific prevention and therapy. Mycobacteria living in the oral cavity.	2

8 25.03-30.04	<b>Colloquium on the topics covered.</b>	2
9 01.04-06.04	Zooantroponoznyh infection: the causative agents of plague, anthrax, brucellosis and tularemia: biological properties, pathogenesis of disease manifestations in the oral cavity, microbiological diagnostics, specific prophylaxis and treatment.	2
10 08.04-13.04	Causative agents of anaerobic infections: tetanus, botulism, gas gangrene. Biological properties, laboratory diagnosis, specific prophylaxis and therapy. The role of anaerobes in the pathogenesis of odontogenic infections.	2
11 15.04-20.04	A spirochetosis: syphilis, leptospirosis, relapsing fever. Representatives of the spirochetes that live in dental plaque. Microbiological characteristics of pathogens. Manifestations in the oral cavity. Laboratory diagnosis.	2
12 22.04-27.04	<b>Colloquium on the topics covered.</b>	2
13 29.04-04.05	Viruses are the causative agents of human infectious diseases. Virological method of research. Pathogens of respiratory viral infections: influenza, parainfluenza, SARS. Adenoviruses. Herpesviruses. Causative agents of enterovirus infections. Cocksackie virus and echo, polio. The causative agents of viral vector-borne and zoonotic infections. Rabies. Manifestations of viral infections in the oral cavity.	2
14 06.05-11.05	Viruses are the causative agents of human infectious diseases. Virological method of research. Pathogens of respiratory viral infections: influenza, parainfluenza, SARS. Adenoviruses. Herpesviruses. Causative agents of enterovirus infections. Cocksackie virus and echo, polio. The causative agents of viral vector-borne and zoonotic infections. Rabies. Manifestations of viral infections in the oral cavity.	2
15 13.05-18.05	Viral hepatitis (A, B, C, D, E). Characteristics of pathogens. Microbiological diagnostics. Danger of infection in the dental office. Measles, rubella, mumps. Manifestations in the oral cavity. Characteristics of pathogens. Microbiological diagnostics. Laboratory diagnostics. Oncogenic viruses, the role in dental pathology. Pathogens of slow viral infections. HIV infection, characteristics of the virus, clinical manifestations in the oral cavity. <b>Colloquium on the topics covered.</b>	2