

Approved»  
Head of department  
microbiology, virology,  
immunology with a course of  
clinical microbiology  
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Protocol №.1  
От 26.08.2024г.

**Thematic plan of student's independent work  
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 2024-2025 academic year**

№	Theme of independent work	Hours (academic)
1.	The mechanism of formation of dental plaque (plaques), features of localization, the role of aerobic and anaerobic microorganisms.	2
2.	The role of filling materials, toothpastes, prostheses on the composition of the resident oral flora.	2
3.	The value of breast and artificial feeding on the formation of microbiocenosis of the oral cavity of children.	2
4.	Microflora of plaque in single and multiple dental caries.	2
5.	The value of various types of prosthetics on the microflora of the oral cavity.	2
6.	Pulpitis and periodontitis. Features of microbial colonization in pulpitis and periodontitis.	2
7.	Adentia. Microflora of the oral cavity with adentia, its correction.	2
8.	Microflora of the oral cavity. Colonization by microorganisms of various biotopes of the oral cavity.	2
9.	The role of saliva lysozyme to ensure nonspecific resistance of the oral cavity.	2
10.	The value of hygiene and sanitation in ensuring the normal microflora of the oral cavity.	2
11.	Gingivitis. Microflora in gingivitis, microbiological diagnostics.	2
12.	Caries. Modern ideas about the microbiological theory of caries.	2
13.	Periodontitis. Modern ideas about the etiology of periodontitis. Microflora of the periodontal pocket.	2
14.	Group B streptococci, their role in human pathology. Treatment and prevention.	2
15.	Group A streptococci, their role in human pathology. Treatment and	2

	prevention.	
16.	Food poisoning. Pathogens. Features of treatment and laboratory diagnostics.	3
17.	Yeast-like fungi of the genus Candida, their role in human pathology. Laboratory diagnostics. Treatment and prevention.	2
18.	Fungal infections. causative agents of mycotoxicosis. Causative agents of dermatomycosis and mycosis of the oral cavity	2
19.	Hospital infections in dental practice. Ways of prevention.	3
20.	DNA genomic viruses. General characteristics and classification. Polyoma and human papillomaviruses. Oncogenicity.	2
21.	RNA genomic viruses. General characteristics and classification. Polyoma and human papillomaviruses. Oncogenicity.	2
22.	The role of viruses in the pathology of the maxillofacial region. Manifestations in the oral cavity.	2
23.	Causative agents of infectious and opportunistic stomatitis, manifestations in the oral cavity, methods of laboratory diagnostics. Prevention.	2
24.	Pathogenic and resident anaerobic microbes are the causative agents of clostridial and non-clostridial infections of the maxillofacial region.	2
25.	Coronaviruses. Classification, their main biological properties, role in human pathology. Methods of detection. Prevention methods	2
	Total	52