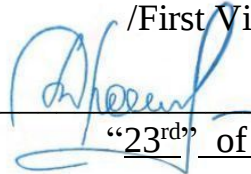


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Дата подписания: 17.09.2026 15:23:07
Уникальный программный ключ:
d59234ba928aea5c04c54eb9013e367220b6b2a8

Federal State Budget Educational Institution
of Higher Education
Pacific State Medical University
of the Ministry of Health of the Russian Federation

APPROVED BY

/First Vice-Rector

 / Dvoynikova E.R./
“23rd” of June 2026

DISCIPLINE WORK PROGRAM

B1.V.03 Preventive dentistry and rehabilitative care

	(name of discipline)
Specialty	31.05.03 Dentistry for foreign students (English-language program)
	(code, name)
Degree	Specialist's degree
Profile	02 "Healthcare" (in the field of providing health care in patients with dental pathology)
Mode of study	Full-time
Period of mastering the BEP	5 years (nominal length of study)
Institute	of Dentistry

Program of the discipline **B1.V.03 Preventive dentistry and rehabilitative care** is based on:

1) Federal State Educational Standard of Higher Education for the specialty approved by the Order No. 984 of Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020.

2) Curriculum for the 31.05.03 Dentistry for foreign students (English-language program), profile 02 "Healthcare" (in the field of providing health care in patients with dental pathology), approved by the Academic Council of FSBEI HE PSMU of the Ministry of Health of Russia Report No. 1-7/25-26 dated March 27, 2026.

Work program for the discipline was developed by the writing team of the Institute of Dentistry of the FSBEI HE PSMU of the Ministry of Health of Russia, under the guidance of the director of the institute, Doctor of Medical Sciences, Associate professor Pervov Yu.Yu.

Developed by:

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Assistant	-	Bogomolova K.E.
(position held)	(academic degree, academic title)	(full name)

1. GENERAL PROVISIONS

1.1. Purpose and Objectives of Mastering B1.V.03 Preventive dentistry and rehabilitative care

The purpose of mastering the discipline is to achieve universal, general professional, and professional competencies necessary to perform professional functions outlined in the Occupational standard "Dentist (General Dental Practitioner)".

Objectives of mastering the discipline:

1. Developing skills necessary to participate in solving specific research and development scientific problems in the field of healthcare and medical sciences in the areas of diagnosis, treatment, medical rehabilitation, and prevention;
2. Developing skills in conducting routine sanitary and medical examinations of the child population, including in organized groups.

2. DISCIPLINE AS PART OF THE BASIC EDUCATIONAL PROGRAM

Discipline **B1.V.03 Preventive dentistry and rehabilitative care** is included in the Variative part of the Block 1 of the basic educational program for the specialty 31.05.03 Dentistry for foreign students (English-language program), profile 02 "Healthcare" (in the field of providing health care in patients with dental pathology), and is part of the 5th and 6th semesters' curriculum

3. PLANNED LEARNING OUTCOMES OF THE DISCIPLINE

3.1. Mastering the discipline **B1.V.03 Preventive dentistry and rehabilitative care** is aimed at the development of students' competencies. The discipline facilitates the development of students' competencies corresponding to the types of professional activity.

Labor function	Code and Name of competency of the graduate	Competency Indicators
Professional Competencies		
A/04.7 Implementing and monitoring the effectiveness of sanitary, anti-epidemic and other preventive measures to protect public health	PC-4 ability and readiness to conduct preventive medical examinations, dispensary exam and dispensary follow-up of patients with dental pathology	AI. PC-4 ₁ - identifies the principles of outpatient observation for different patient categories and population groups with oral and maxillofacial diseases. AI. PC-4 ₂ - applies methods of primary and secondary prevention of teeth diseases, periodontium, oral mucosa, jaw bone tissue, soft facial tissues, temporomandibular joints, and salivary glands AI. PC-4 ₃ - organizes and conducts preventive examinations of patients with dental pathology
A/05.7 Educating population and medical care providers about hygiene and healthy life style	PC-5 ability to conduct educational activities to eliminate the risk factors for dental health and develop healthy lifestyle skills	AI. PC-5 ₁ - recognizes the basic criteria and methods of a healthy lifestyle AI. PC-5 ₂ - identifies the methods and forms of hygiene education among the public and health care providers AI. PC-5 ₃ - developing positive health behaviors in patients and their representatives (or relative/legal representatives) that promotes and improves health and well-being

3.2. Types of professional activity corresponding to competencies developed over the course of mastering **B1.V.03 Preventive dentistry and rehabilitative care**:

Types of professional activity objectives

1. Medical
2. Research and development

3. Pedagogical

Kinds of professional activity objectives

1. *implementation of anti-epidemic and other measures of public health protection as well as monitoring their effectiveness;*
2. *implementation of health and hygiene education measures in general population and professionals aimed at development of a healthy lifestyle*

3.3. Planned learning outcomes of mastering the discipline are represented by knowledge, skills, abilities and/or experience, characterize the stages of developing competencies and ensure achievement of the planned outcomes of mastering the basic educational program. Learning outcomes of a discipline are correlated with competency indicators.

4. SCOPE AND CONTENT OF THE DISCIPLINE

4.1. Scope of the Discipline and Types of Academic Work

Type of Academic Work		Total Hours	Semesters	
			5	6
			hours	hours
1		2	3	4
Classroom hours (total), including:		84	42	42
Lectures (L)		12	6	6
Practical classes (C)		72	36	36
Independent work of the student (IW), including:		60	30	30
<i>Preparing for classes (CP)</i>		42	24	18
<i>Preparing for continuous assessment (CAP)</i>		12	6	6
<i>Preparation for interim assessment (IAP)</i>		6		6
<i>Interim assessment</i>				
Type of interim assessment	pass/fail test (T)	T		T
	exam (E)			
TOTAL: TOTAL credit value	hrs.	144	72	72
	credits	4	2	2

4.2. Contents of the Discipline

4.2.1. Topics of Discipline Lectures and Academic Hours per Semester

No.	Lecture Topic	Hours
1	2	3
Semester No. 5		
1.	Preventive dentistry and rehabilitation. Goals and objectives of the WHO in preventive dentistry. The concept of incidence of dental diseases in the population. Justification of necessity of preventive measures in dentistry. Modern organization principles and preventive measures in dentistry. Health and hygiene education measures in general population aimed at prevention of main dental diseases	2
2.	Oral mucosa structure. Dentogingival junction. Etiology, pathogenesis of diseases of the periodontium. Means and measures of preventing diseases of the periodontium	2
3.	Qualitative and quantitative assessment of the condition of the periodontium.	2

	Statistical analysis methods, oral hygiene index, plaque accumulation index. Acquired oral structures. Supragingival and subgingival deposits in development of main dental pathologies	
	Hours per semester total	6
Semester No. 6		
1.	Means of maintaining oral hygiene and the requirements they must meet. Toothbrushes. Toothpastes. Types, properties, purposes, and usage. Tooth brushing methods. Supervised tooth brushing and its methodology	2
2.	Professional oral hygiene. Methods of affecting mineralized and non-mineralized dental deposits. Specifics of performing oral hygiene procedures in patients with various dental diseases, during orthodontic care or installing dental implants	2
3.	Cariogenic conditions in the oral cavity and methods of eliminating them. Caries prognosis. Topical means of preventing caries	2
	Hours per semester total	6

4.2.2. Topics of Discipline Practical Classes and Academic Hours per Semester

No.	Practical Class Topic	Hours
1	2	3
Semester No. 5		
1	Introductory lesson. Work regimen of the children's department. Hygiene room: equipment, instruments. Rules for sterilizing instruments. Elements of asepsis and antisepsis	4
2	Methods of examining a child. Collecting medical history. Methods of general and external examination of the maxillofacial region. Recording the dental formula (graphic-numerical system, international two-digit WHO system). Methods of examining the oral mucosa (cheeks, lips, palate, gums). Identification of abnormalities of the mucosal frenula, vestibule of the mouth, and tongue. Comparative assessment of healthy and affected oral mucosa. Practical mastery of determining the PMA, PI, ICP, and CPITN indices (in colleagues). Examination of teeth. Comparative assessment of healthy and affected hard tooth tissues. Methods for identifying healthy, carious, and filled teeth. Methods for identifying focal demineralization. Practical mastery of examination methods (on colleagues)	4
3	Indicators characterizing the incidence of caries in the pediatric population: prevalence, intensity (indices: CF, CFE/cf, DMF/dmf), increase in intensity. Assessment of caries activity according to the WHO methodology and the methodology of T.F. Vinogradova. Caries reduction	4
4	Surface formations on teeth and dental deposits. Methods for their detection. Mastering oral hygiene indices. Dyes for determining dental plaque. Practical determination of the state of oral hygiene in a group of students	4
5	Oral hygiene products and requirements for them. Toothbrushes, caring for them. Toothpicks, dental floss, interdental stimulators, rules for use. Chewing gum.	4
6	Dental elixirs, their purpose. Regimen for using dental elixirs for hygienic and therapeutic purposes. Hygienic toothpastes and dental gels. Rules for use. Purpose, composition, classification of toothpastes. Tooth powders. Comparative evaluation of toothpastes and powders. Therapeutic and prophylactic toothpastes with anti-caries effect, containing calcium and phosphorus salts. Therapeutic and prophylactic toothpastes with anti-inflammatory effect. Properties, indications for use, representatives of the subclass. Pastes that reduce the cariogenicity of oral cavity factors: containing chlorhexidine, enzymes that prevent plaque buildup, with trace element ions	4
7	Methods of brushing teeth. Controlled brushing and techniques for doing it. Aspects of teaching oral hygiene to children of different ages. Teaching patients proper dental care and rational selection of hygiene products and tools	4

8	Features of oral care for patients depending on their age and oral condition. Individual selection of hygiene products. Students develop lesson plans for preschool children, conversations with parents, health bulletins, and brochures on the prevention of dental diseases	4
9	Final class session. Working with case studies	4
	Hours per semester total	36
Semester No. 6		
1	Methods for identifying and removing dental deposits (classification of dental deposits, methods for identifying dental deposits, the significance of these formations in the development of dental diseases, means for preventing the formation of dental plaque). Professional teeth cleaning. Use of additional oral hygiene items (dental floss, toothpicks)	4
2	Structure and properties of enamel after tooth eruption. "Risk areas" on teeth. Assessment of caries resistance based on the acid resistance of enamel. The dependence of tooth resistance to caries on the properties of mixed saliva (quantity, viscosity, buffer capacity)	4
3	Caries-prone situation in the oral cavity and methods of its detection. General and local risk factors for caries development. Stefan's curve, assessment of dental plaque cariogenicity (rapid method for detecting cariogenic conditions in the oral cavity according to V.A. Rumyantsev, V.K. Leontiev, enamel resistance test (ERT)). Determination of tooth resistance to caries based on the degree of activity of the carious process according to Nedoseko. Hygiene index in the prognosis of carious tooth damage	4
4	The relationship between caries (and its complications) and dentofacial pathology. The role of nutrition in the development of the dentofacial system and the formation of dentofacial deformities	4
5	Exogenous caries prevention with fluoride preparations. Sealing of fissures in intact teeth	4
6	Endogenous pharmaceutical prevention of caries. The role of the general condition of the pregnant woman and child in the development of caries. Prescription of anti-caries medications for oral use	4
7	Morphological characteristics of the periods of development of a child's bite. Antenatal prevention of dental and jaw abnormalities. Prevention of dental and jaw abnormalities associated with artificial feeding. Myogymnastics as a method of prevention and treatment of deformities of the child's dental and jaw system. Bad habits in children. Their consequences and ways to eliminate them	4
8	Health education in organized groups (organization, forms, methods, means), hygiene training and education of various population groups. Preventive medical examinations of children at the dentist. Principles of organizing preventive medical examinations of infants, preschoolers, and school-age children	4
9	Comprehensive prevention of dental pathology. Principles of planning. Situation analysis. Contingent. Goals, objectives. Methods and means. Organizational measures. Evaluation of program effectiveness. Features of organizing preventive measures in various population groups. Group prevention of dental caries and periodontal disease in preschool and school-age children	4
	Hours per semester total	36

4.2.3. Independent Work of the Student

No.	Name of the Discipline Section	Type of IW	Total Hours
1	3	4	5
Semester No. 5			

1	Indicators characterizing the incidence of caries in the pediatric population: prevalence, intensity (indices: CF, CFE/cf, DMF/dmf), increase in intensity. Assessment of caries activity according to the WHO methodology and the methodology of T.F. Vinogradova. Caries reduction	Written report on select questions, preparing for continuous assessment	6
2	Surface formations on teeth and dental deposits. Methods for their detection. Mastering oral hygiene indices. Dyes for determining dental plaque. Practical determination of the state of oral hygiene in a group of students		8
3	Dental elixirs, their purpose. Regimen for using dental elixirs for hygienic and therapeutic purposes. Hygienic toothpastes and dental gels. Rules for use. Purpose, composition, classification of toothpastes. Tooth powders. Comparative evaluation of toothpastes and powders. Therapeutic and prophylactic toothpastes with anti-caries effect, containing calcium and phosphorus salts. Therapeutic and prophylactic toothpastes with anti-inflammatory effect. Properties, indications for use, representatives of the subclass. Pastes that reduce the cariogenicity of oral cavity factors: containing chlorhexidine, enzymes that prevent plaque buildup, with trace element ions		8
4	Methods of brushing teeth. Controlled brushing and techniques for doing it. Aspects of teaching oral hygiene to children of different ages. Teaching patients proper dental care and rational selection of hygiene products and tools Features of oral care for patients depending on their age and oral condition. Individual selection of hygiene products. Students develop lesson plans for preschool children, conversations with parents, health bulletins, and brochures on the prevention of dental diseases		8
Hours per semester total			30
Semester No. 6			
1	Structure and properties of enamel after tooth eruption. "Risk areas" on teeth. Assessment of caries resistance based on the acid resistance of enamel. The dependence of tooth resistance to caries on the properties of mixed saliva (quantity, viscosity, buffer capacity)	Written report on select questions, preparing for continuous assessment	8
2	Exogenous caries prevention with fluoride preparations. Sealing of fissures in intact teeth. Endogenous pharmaceutical prevention of caries. The role of the general condition of the pregnant woman and child in the development of caries. Prescription of anti-caries medications for oral use		6
3	Morphological characteristics of the periods of development of a child's bite. Antenatal prevention of dental and jaw abnormalities. Prevention of dental and jaw abnormalities associated with artificial feeding. Myogymnastics as a method of prevention and treatment of deformities of the child's dental and jaw system. Bad habits in children. Their consequences and ways to eliminate them		8
4	Health education in organized groups (organization, forms, methods, means), hygiene training and education of various population groups. Preventive medical examinations of children at the dentist. Principles of organizing preventive		8

	medical examinations of infants, preschoolers, and school-age children		
	Hours per semester total		30

5. REQUIREMENTS FOR IMPLEMENTATION OF DISCIPLINE

5.1. Discipline Requirements for Educational Materials and Provided Information

Essential reading

No.	Name/Title, Resource Type	Author(s)/Editor	Publisher Imprint, Web Address	Number of Copies (accesses) in the Library and Information Center
1	2	3	4	5
1	Introduction to Preventive Dentistry: Textbook for Universities	I. S. Kopetsky, I. A. Nikolskaya, I. D. Manaenkova; Russian National Research Medical University named after N. I. Pirogov	Moscow: GEOTAR-Media, 2023. - 214, [2] p.	1
2	Prevention of Dental Diseases: Textbook for Universities [Electronic Resource]	V. I. Vasilyev. - 3rd ed., revised and expanded	Moscow: Urait Publishing House, 2024. - 424 p. URL: https://www.ura.it.ru/	Unlimited access
3	Community Dentistry: Methodical Developments for 5th Year Students of the Stomatological Faculty	T. I. Pershukevich, N. A. Baitus, Yu. P. Chernyavsky	Vitebsk: VGMU, 2020. - 187 p. - EBS "BookUp"	Unlimited access

Supplementary reading

No.	Name/Title, Resource Type	Author(s)/Editor	Publisher Imprint, Web Address	Number of Copies (accesses) in the Library and Information Center
1	2	3	4	5
1	Professional and individual oral hygiene in adults: textbook [Electronic resource]	A. I. Nikolaev, L. M. Tsepop, I. M. Makeeva, A. P. Vedyayeva	Moscow: MEDpress-inform, 2021. - 208 p. URL: https://www.books-up.ru	Unlimited access
2	Therapeutic dentistry: in 3 parts. Part 2: Periodontal diseases: textbook [Electronic resource]	edited by G. M. Barer	Moscow: GEOTAR-Media, 2021. - 224 p. URL: http://www.studentlibrary.ru	Unlimited access

Online resources

1. Electronic library system "Student Consultant" <http://studmedlib.ru/>
2. Electronic library system "University Library Online" <http://www.biblioclub.ru/>
3. Electronic library system "Urait" <https://ura.it.ru/>
4. Electronic library system "BookUp" <https://www.books-up.ru/>
5. Resources owned by the Library and Information Center of FSBEI HE PSMU of the Ministry of Health of Russia <https://tgmu.ru/university/bibliotechno-informacionnyj-centr/resursy-bic/sobstvennye/>

Online resources and respective user guides are available on the Library and Information Center website [Library and Information Center — PSMU \(tgmu.ru\)](http://Library and Information Center — PSMU (tgmu.ru))



5.2. Discipline Requirements for Facilities and Resources

Information on the facility and resource availability and requirements of the discipline is available on the [Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia \(tgmu.ru\)](http://Facility and resource availability and requirements. FSBEI HE PSMU of the Ministry of Health of Russia (tgmu.ru)) page of the official website of the university.



5.3. List of Information Technologies, Information and Reference Systems, Licensed and Free Software (Including Domestically-developed Software):

1. PolycomTelepresence M100 Desktop Conferencing Application (Videoconference system)
2. SunRav Software tTester
3. 7-PDF Split & Merge
4. ABBYYFineReader
5. Kaspersky Endpoint Security
6. INDIGO online testing system
7. Microsoft Windows 7
8. Microsoft Office Pro Plus 2013
9. 1C:University
10. GARANT system
11. MOODLE (Modular Object-Oriented Dynamic Learning Environment)

6. ASPECTS OF THE IMPLEMENTATION OF THE DISCIPLINE FOR STUDENTS WITH DISABILITIES AND SPECIAL NEEDS

6.1. Availability of Accessible Environment

For students with disabilities and special needs, if a written application is submitted, lectures and practical classes are carried out taking into account health limitations, individual capabilities and medical status (hereinafter referred to as individual characteristics) of the student. Compliance with the following general requirements is ensured: teaching aids for collective and individual use are provided, required technical assistance is provided by an assistant; buildings and premises where lectures and practical classes are taking place meet accessibility requirements, other arrangements lack of which makes it impossible or difficult to master the discipline are made.

6.2. Ensuring Compliance with General Requirements

When lectures and practical classes are carried out at the written application of the student, the following general requirements are met: lectures and practical classes for students with disabilities and special needs take place at the same location as for students who do not have disabilities, if this does not cause difficulties for students; an assistant (assistants), who provide(s) students with the necessary technical assistance taking into account individual characteristics of the student, is (are) provided; necessary teaching aids are provided, taking into account individual characteristics of the student.

6.3. Availability of the Internal Policies and Procedures of FSBEI HE PSMU of the Ministry of Health of Russia to Students with Disabilities in a Format Accessible to Them.

All internal policies and procedures of FSBEI HE PSMU of the Ministry of Health of Russia concerning the discipline are made available to students with disabilities in a format accessible to them.

6.4. Increase in the Time Limit of Interim Assessment for Students with Disabilities and Special Needs in Relation to the Established duration

Format of the interim assessment of academic performance within the scope of the discipline conducted for students with disabilities and special needs is selected taking into account individual characteristics of the students (orally, by writing on paper, by typing on a computer, as a test, etc.). The duration of the interim assessment in relation to the established duration is increased at the written application of the student with disabilities. Time limit for the student's preparation for the test is increased by at least 0.5 hours.

7. STAFFING REQUIREMENTS OF THE DISCIPLINE

Academic teaching personnel that ensure the implementation of the discipline education process meet the requirements of the Federal State Educational Standard of Higher Education for the 31.05.03 Dentistry specialty; list of the aforementioned personnel is available on the website of the educational organization.



8. TUTORIAL WORK

Type of tutorial work	Forms and approaches to tutorial work	Assessment criteria
Assistance in personal growth	Overt Talks and problem-centric debates aimed at promotion of healthy lifestyle. Participation in interdepartmental conferences aimed at formation of healthy lifestyle and development of skills necessary to preserve and improve health.	Portfolio
	Covert – creating atmosphere and infrastructure. Developing a culture of healthy lifestyle, the ability to preserve and improve health. Creating atmosphere of kindness and respect with a high level of communication during implementation of the discipline.	
Civic position and values	Overt Conducting events that facilitate development of civil culture (roundtable discussions, discussions/debates, and talks). Short discussions on current significant events in case the latter occur.	Portfolio
	Covert Focusing on civic values-oriented position and legal awareness. Cultivating mindful social position during professional activity.	
Social values	Overt Highlighting aspects of organization of healthy lifestyle based on health-preserving technologies. Highlighting ecology-related questions, environmental issues as a factor affecting population health and select population risks.	Portfolio
	Covert Identification in social structure during period of education and in professional activity.	