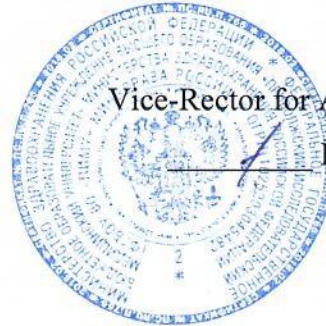


Federal state budgetary educational institution  
higher education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation



APPROVED  
Vice-Rector for Academic Affairs  
E.S. Bogomolova  
31 August 2021

### **PRACTICE WORK PROGRAM**

Name of the academic discipline: **ASSISTANT OF DENTAL HYGIENIST. SUMMER PRACTICAL TRAINING.**

Specialty: **31.05.03 DENTISTRY**

Qualification: **DENTIST**

Faculty: **INTERNATIONAL MEDICAL EDUCATION**

Department: **PROPADEUTIC DENTISTRY**

Mode of study: **FULL-TIME**

Nizhny Novgorod  
**2021**

The work program was developed in accordance with the Federal State Educational Standard of Higher Education in the specialty 31.05.03 "STOMATOLOGY" approved by order of the Ministry of Science and Higher Education of the Russian Federation No. 984 dated August 12, 2020.

**Program Developers:**


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**Reviewers:**


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2. Uspenskaya O.A., Doctor of Medical Sciences, Associate Professor, Head. Department of Therapeutic Dentistry FGBOU VO "PIMU" of the Ministry of Health of the Russian Federation.

The program was reviewed and approved at a meeting of the Department of Propaedeutic Dentistry, protocol No. \_\_\_ from 01 June 2021

Department head  
propaedeutic dentistry

Candidate of Medical Sciences, Associate Professor \_\_\_\_\_  A.V. Kochubeinik  
01 June 2021

**AGREED**

Deputy Head of EMA ph.d. of biology \_\_\_\_\_  Lovtsova L.V.

01 June 2021

1. Type of practice: industrial
2. Method of conducting practice: stationary
3. Form of practice: continuously
4. Practice volume 4 SU (144 hours)
5. Duration of practice 2 weeks (12 training days)

Practice is held in the 6th semester according to the schedule.

6. The list of planned learning outcomes during internship, correlated with the planned results of mastering the educational program.

6.1 The purpose and objectives of the practice "DENTAL HYGIENIST ASSISTANT"

**The purpose of the internship:** professional and practical training of students, focused on deepening theoretical training and consolidating students' practical skills and competencies in the prevention of dental diseases.

The production practice is aimed at developing the following general cultural competencies (CC) in the graduate:

- Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction (UC-4)

The process of studying the discipline is aimed at developing the following general professional competencies (GPC) in the graduate:

- GPC-4. Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population.

The process of studying the discipline is aimed at developing the following professional competencies (PC) in the graduate:

- PC-2. The ability and willingness to conduct preventive medical examinations, medical examination of various categories of citizens and the implementation of dispensary observation of patients with dental pathology.

- PC-10. Readiness for educational activities to eliminate risk factors for the development of dental diseases, prevent dental diseases, to educate the population in basic hygiene measures of a health-improving nature, self-control skills of basic physiological indicators that contribute to the preservation and promotion of health.

- PC-12. Willingness to participate in scientific research, analysis and public presentation of medical information based on evidence-based medicine and to participate in the implementation of new methods and techniques aimed at protecting public health and reducing dental morbidity.

**Tasks** industrial practice: (to know, to know, to know)

**STUDENT SHOULD KNOW:**

- familiarization with the work of a medical institution (dental clinic, dental department of a somatic clinic), student adaptation to work in outpatient conditions;
- moral and ethical norms, rules and principles of professional medical behavior;
- the specifics of working with confidential information, while maintaining medical secrecy;
- principles of medical ethics and deontology in work with patients, their relatives, colleagues;
- the procedure and methods for examining patients in the preventive department, criteria for assessing the state of hard dental tissues, periodontal tissues, and the hygienic state of the oral cavity;
- principles of conducting an epidemiological dental examination of the population, its goals, objectives, methods;
- risk factors and causes of major dental diseases.
- the role of oral hygiene in the prevention of dental diseases;
- oral care products and requirements for them. Features of hygienic education of children of different ages and adults;
- methods and means of prevention of major dental diseases;
- the purpose, methods and means of dental education, the features of its implementation among various population groups;
- principles of medical examination of the population at the dentist, organizational forms of carrying out planned sanitation of the oral cavity;
- basics of planning, implementation and evaluation of the effectiveness of programs for the prevention of dental diseases among various contingents of the population;

- the latest achievements of medical science and the possibility of their use in the field of preventive dentistry;

**STUDENT SHOULD BE ABLE TO:**

- to conduct a dental examination of children and adults;
- identify risk factors for the occurrence of dental diseases;
- register the state of hard tissues of teeth, periodontium, oral hygiene
- to implement preventive measures among various contingents of the population at the individual and group levels;
- to carry out individual selection of hygiene products
- to conduct conversations (individual, group), lectures with a different contingent of the population on the prevention of the occurrence and development of dental diseases;
- teach children and adults the rules of hygienic oral care
- use remineralizing agents in practice
- to carry out professional oral hygiene with modern means and methods among various population groups
- provide first aid in various emergencies

**STUDENT SHOULD OWN:**

- maintenance of medical accounting and reporting documentation in medical organizations: filling out an insert sheet in an outpatient card, a sheet of daily and monthly report of a dental hygienist, a patient's motivation card;
- recording of the dental formula of permanent and temporary according to the international notation system.
- assessment of the state of dental health of various age and sex groups: determination of the prevalence and intensity of dental diseases in the group of patients examined.
- methods of general clinical examination of children and adults, clinical methods of examination of the maxillofacial region: dental examination of the patient, diagnosis differential diagnosis of initial forms of caries and non-carious lesions, vital staining of enamel demineralization.
- determination of dental indices: hygiene (according to Kuzmina, Fedorov-Volodkina, Green-Vermillion, etc.), caries intensity (KPU, KPU of teeth and surfaces), activity of the course of dental caries (1,2,3 degrees of activity).
- interpretation of the results of laboratory, instrumental diagnostic methods in patients of different ages: determination of the hygienic state of the oral cavity, the state of hard tissues of the teeth, the activity of the course of dental caries, the risk of developing dental caries.
- methods of organizing the primary prevention of dental diseases, the formation of motivation to maintain the dental health of individuals, families and society, including the abandonment of bad habits that affect the state of the oral cavity: the development of materials for dental education; conducting health lessons, conversations and lectures with various contingents of the population on the prevention of the occurrence and development of dental diseases.
- methods of individual hygienic education and training of children and adults on the prevention of dental diseases: individual selection of hygiene products depending on the age and condition of the oral cavity; learning how to brush your teeth; supervised brushing.
- methods of individual prevention of dental diseases: the use of fluoride-containing and remineralizing agents (fluoride varnish, fluorogel, etc.), sealing tooth fissures with various sealants.
- methods of searching for information on the Internet and literary sources
- communication skills, argumentation, polemics and discussions.

**6.2 Learning outcomes and indicators of achievement of competencies.**

The internship is aimed at developing the following universal (UC), general professional (GPC) and professional (PC) competencies among students:

No. p / p	Competency code	Content of competence (or parts of it)	Code and name of the indicator of achievement of competence	As a result of the internship, students should:		
				Know	Be able to	Own

1	UC-4	Able to apply modern communication technologies, including in foreign language(s), for academic and professional interaction	IUC 4.1 Knows: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies IUC 4.2 Knows how to: express their thoughts in Russian and foreign languages in business communication IUC 4.3 Has practical experience in: compiling texts in Russian and foreign languages related to professional activities; experience in translating medical texts from a foreign language into Russian	modern means of information and communication technologies; basics of oral and written speech; lexical minimum of a general and terminological nature; a special dictionary and reference room to express their point of view, to conduct a discussion in Russian and foreign languages; use communication in oral and written forms to obtain professional 1. skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, discussions and round tables; skills to develop motivation to perform	express your point of view, conduct a discussion in Russian and foreign languages; use communication in oral and written forms to obtain professionally significant information; be able to adequately perceive information, logically correctly, reasonably and clearly build oral and written speech, critically assess their strengths and weaknesses; analyze socially significant problems	skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, discussions and round tables; skills in developing motivation to perform professional activities, solving socially and personally significant problems
2	OPC-4.	Able to conduct and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	IPC 4.1 Knows: the main criteria for a healthy lifestyle and methods of its formation; socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention; forms and	The latest achievements of medical science and the possibilities of their use in the field of preventive	Conduct individual and group conversations about conservation techniques oral health among	Methods of organizing the primary prevention of dental diseases, the formation of motivation to maintain the dental health of individuals,

			<p>methods of sanitary and hygienic education among patients (their legal representatives), medical workers; basic health-improving hygiene measures that promote health and prevent the most common diseases; fundamentals of preventive medicine; stages of planning and implementation of community programs for the prevention of the most common diseases</p> <p>IPC 4.2 Able to: conduct sanitary and hygienic education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent the most common diseases; to carry out sanitary and educational work among children and adults in order to form a healthy lifestyle and prevent the most common diseases; to form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic health; develop and implement programs for the formation of a healthy lifestyle, including programs to reduce the consumption of alcohol and tobacco, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases; prescribe preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including cancer; select and prescribe drugs and non-drug methods for the prevention of the most common diseases</p> <p>ITC 4.3 Has practical experience in: promotion of a healthy lifestyle and</p>	<p>dentistry. Fundamentals of planning, implementation and evaluation of the effectiveness of programs for the prevention of dental diseases among various contingents of the population.</p>	<p>patients medical institutions, employees of organized teams; make lesson plans "health", texts of conversations, memos, lectures on prevention of dental diseases, taking into account the specifics of the student contingent; analyze results questioning; plan activities for preservation and promotion of health population; advise on legal interaction of citizens with health system in the region dentistry; use and make normative and legal documents, professional activities within their competence;</p>	<p>families and society, including the abandonment of bad habits that affect the state of the oral cavity: development of materials on dental education; conducting health lessons, conversations and lectures with various contingents of the population on the prevention of the occurrence and development of dental diseases.</p> <p>- methods of individual hygienic education and training of children and adults on the prevention of dental diseases: individual selection of hygiene products depending on the age and condition of the oral cavity; learning how to brush your teeth; supervised brushing.</p>
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			<p>prevention of the most common diseases; carrying out sanitary-educational work among children and adults; formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health; formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical consumption of narcotic drugs and psychotropic substances; development of a plan of preventive measures and the implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults, taking into account risk factors, oncological and hygiene prevention in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of drugs and non-drug methods for the prevention of the most common diseases</p>			
3	PC-2	<p>the ability and willingness to conduct preventive medical examinations, medical examinations of various categories of citizens and the implementation of dispensary observation of patients with dental pathology</p>	<p>IPC 2.1 Knows: Normative legal acts regulating the procedures for conducting preventive medical examinations and medical examinations The main criteria for a healthy lifestyle and methods for its formation Socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention Forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers</p>	<p>the procedure and methods for examining patients in the preventive department, criteria for assessing the condition of hard dental tissues, periodontal tissues, and the hygienic condition of the oral cavity. Principles of conducting an</p>	<p>conduct dental examinations of children and adults; - identify risk factors for the occurrence of dental diseases; - register the state of hard tissues of teeth, periodontium, oral hygiene - to implement preventive measures among</p>	<p>methods of maintaining medical records; maintain approved medical records; algorithm for making a preliminary diagnosis; use dental equipment, tools and materials in their work in accordance with the rules for their use; assess the hygienic condition of the</p>

			<p>Features of specific and non-specific prevention of dental diseases</p> <p>The main hygienic measures of a health-improving nature that promote health and prevent the occurrence of dental diseases</p> <p>Etiology, pathogenesis, prevention of dental diseases</p> <p>Fundamentals of Preventive Medicine</p> <p>Stages of planning and implementation of community programs for the prevention of dental diseases</p> <p>IPC 2.2 Able to:</p> <p>Conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent dental diseases</p> <p>Carry out health education among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases</p> <p>To form in children and adults (their legal representatives) behavior aimed at maintaining and improving the level of somatic and dental health</p> <p>Develop and implement healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances</p> <p>Develop a plan of preventive measures and implement methods of group and individual prevention of major dental diseases</p> <p>Conduct preventive medical dental examinations of the population</p> <p>Assign preventive measures to patients, taking into account risk factors for the prevention and early detection of diseases, including</p>	<p>epidemiological dental examination of the population, its goals, objectives, methods.</p> <p>Risk factors and causes of major dental diseases. Principles of medical examination of the population at the dentist, organizational forms of carrying out planned sanitation of the oral cavity.</p>	<p>various contingents of the population at the individual and group levels;</p>	<p>patient's oral cavity using hygienic indexes;</p>
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			<p>cancer</p> <p>Conduct the selection and prescription of drugs and non-drug methods for the prevention of dental diseases in children and adults</p> <p>Carry out dispensary supervision of children and adults with dental diseases</p> <p>IPC 2.3 Has practical experience:</p> <p>Promotion of a healthy lifestyle and prevention of dental diseases</p> <p>Carrying out health education among children and adults with dental diseases</p> <p>Formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of somatic health</p> <p>Formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevent and combat the non-medical use of narcotic drugs and psychotropic substances</p> <p>Development of a plan of preventive measures and the implementation of methods for group and individual prevention of dental diseases</p> <p>Carrying out preventive medical dental examinations of the population, taking into account age</p> <p>Prescribing preventive measures for children and adults with dental diseases, taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Selection and prescription of drugs and non-drug methods for the prevention of dental diseases in children and adults</p> <p>Conducting a dispensary examination of children</p>			
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			and adults with dental diseases Monitoring compliance with dental preventive measures			
4	PC-10	readiness for educational activities to eliminate risk factors for the development of dental diseases, prevent dental diseases, to educate the population in basic hygiene measures of a health-improving nature, self-control skills of the main physiological indicators that contribute to the preservation and promotion of health.	<p>IPC 10.1 Knows: Forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers Features of specific and non-specific prevention of dental diseases The main hygienic measures of a health-improving nature that promote health and prevent the occurrence of dental diseases Etiology, pathogenesis, prevention of dental diseases Fundamentals of Preventive Medicine Methods and forms of organization of communication, techniques and methods of attracting the population to training in hygiene measures of a health-improving nature Psychological and pedagogical foundations and methods of using technical teaching aids, information computer technologies, electronic educational and information resources, distance learning technologies and e-learning, including telemedicine technologies Educational technologies and methods for teaching patients and healthcare professionals</p> <p>IPC 10.2 Can: Plan, organize and conduct activities within the framework of sanitary and hygienic education among the population, training of patients and medical workers Carry out health education among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases Involve available</p>	Goals, tasks and forms dental education; role dental education in prevention of dental diseases; features of the dental education among different age groups of the population; performance evaluation criteria dental education; system organization of preventive dental care population; foundations of modern management in healthcare; health legislation population and health insurance; fundamentals of economics, planning and health care financing; principles organization and remuneration of medical personnel in medical and preventive institutions organized by the collective; basic concepts of the subject of medical rights, its tasks,	Conduct conversations (individual, group), lectures with a different contingent of the population on the prevention of the occurrence and development of dental diseases; - teach children and adults the rules of hygienic oral care	To implement preventive measures among various contingents of the population at the individual and group levels; carry out individual selection of hygiene products; conduct conversations (individual, group), lectures with a different contingent of the population on the prevention of the occurrence and development of dental diseases;

			<p>medical personnel in the planning and development of the content of measures for sanitary and hygienic education among the population, education of patients and medical workers</p> <p>It is reasonable to use technical teaching aids, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies</p> <p>To carry out an analysis of the measures taken for sanitary and hygienic education among the population</p> <p>IPC 10.3 Has practical experience:</p> <p>Planning, organizing and holding an event within the framework of sanitary and hygienic education among the population</p> <p>Planning, organizing and conducting patient and healthcare professional education</p> <p>Promotion of a healthy lifestyle and prevention of dental diseases</p> <p>Formation in children and adults (their legal representatives) of behavior aimed at maintaining and improving the level of dental health</p>	<p>sources; main legislative documents in the field health care; legal and moral ethical standards in the field of professional activities; types of offenses legal liability of medical health care workers institutions.</p>		
5	PC-12	<p>Will ingress to participate in scientific research, analysis and public presentation of medical information based on evidence-based medicine and to participate in the implementation of new methods and techniques aimed at protecting public health and reducing dental morbidity.</p>	<p>IPC 12.1 Knows: Fundamentals of evidence-based medicine; the main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information; basic principles of medical research</p> <p>IPC 12.2 Can: Search for medical information based on evidence-based medicine; interpret the data of scientific publications; critically evaluate</p>	<p>Scientific literature, educational and methodical publications, scientific journals and collections of works. Methods of medical statistics</p>	<p>Analyze scientific literature and statistical reviews, conduct statistical analysis, present the resulting statistics, and interpret them.</p>	<p>Methods of medical statistics, determination of the Student's criterion, non-parametric methods, comparison of independent and dependent groups, methods for describing qualitative features.</p>

			<p>modern methods of diagnosis, prevention and treatment of diseases from the perspective of evidence-based medicine;</p> <p>justify your choice of methods for diagnosing, preventing and treating dental diseases;</p> <p>prepare a presentation for the public presentation of medical information, the results of scientific research</p> <p>IPC 12.3 Has practical experience:</p> <p>Development of algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine;</p> <p>search and interpretation of medical information based on evidence-based medicine;</p> <p>public presentation of medical information based on evidence-based medicine;</p> <p>partial participation in scientific research</p>			
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**7. The place of discipline in the structure of the PLO HE of the organization -Unit 2 - C5 - Field trip**

7.1. The internship "Assistant dental hygienist" refers to the section "Practices, including research work (R&D)" of block 2. Students who have completed the training program in the 3rd year are allowed to take summer internships as an assistant to the dental hygienist. The discipline is studied in the sixth semester.

7.2. To pass the practice, knowledge, skills and abilities are required, formed by previous disciplines/practices:

Pathophysiology - pathophysiology of the head and neck.

Pathological anatomy - pathological anatomy of the head and neck.

Pharmacology.

human anatomy

Histology and Embryology

Normal physiology - physiology of the maxillofacial region

Microbiology, virology - microbiology of the oral cavity

Biological Chemistry - Oral Biochemistry

7.3. Internship necessary for knowledge, skills and abilities formed by subsequent disciplines/practices:

1. Therapeutic dentistry.

2. Practice Assistant to the dentist (therapist)

3. Practice Dental assistant (children's)

**8. The content of the practice.**

8.1. Sections of practice and types of classes. - division into sections is not provided by the Federal State Educational Standard \*

\* Appendix 1 presents the procedure for organizing work practice using EOS and DOT.

No. p / p	Section name	Types of educational work* (in ACH)					
		L	LP	PZ	WITH	SRS	Total
	Industrial practice "Assistant dental hygienist"	10		74		60	144
	TOTAL	10		74		60	144

\* L - lectures; LP - laboratory workshop; PZ - practical exercises; C - seminars; SRS - independent work of the student.

8.2. Thematic plan of lectures: not provided for by the Federal State Educational Standard\* (internship is carried out in the form of independent work of students under the guidance of a teacher)

\* in the context of the implementation of the program of industrial practice with the use of EOS and DOT (see Appendix 1).

8.3. The thematic plan of laboratory workshops is not provided by the Federal State Educational Standard\*

8.4. Thematic plan of practical classes: not provided for by the Federal State Educational Standard\* (internship is carried out in the form of independent work of students under the guidance of a teacher)

\* in the context of the implementation of the program of industrial practice with the use of EOS and DOT (see Appendix 1).

8.5. Thematic plan of seminars: not provided for by the Federal State Educational Standard\* (internship is carried out in the form of independent work of students under the guidance of a teacher)

\* in the context of the implementation of the program of industrial practice with the use of EOS and DOT (see Appendix 1).

8.6. Types and topics for student independent work (SIW): Industrial practice is carried out in the form of independent work of students under the guidance of a teacher.

\* in the context of the implementation of the program of industrial practice with the use of EOS and DOT (see Appendix 1).

Topics of scientific work of students

1. Individual oral hygiene, its importance in the prevention of dental diseases. Items for personal hygiene of the oral cavity. Toothbrushes (regular, special, electric): structure, properties, indications for use. Brush care. Toothpicks, flosses, interdental stimulators, oral irrigators. Their varieties, structure, properties, indications and methods of application. Flossing technique.
2. The significance of malnutrition (composition, consistency, the presence of preservatives, stickiness, easily digestible carbohydrates, frequency of intake, etc.) in the development of a cariogenic situation in the oral cavity. The role of fluorine deficiency in drinking water in the development of dental caries in the population.
3. Non-drug prevention of dental caries: rational nutrition, healthy lifestyle and other self-help methods.
4. The value of health education of future parents in the prevention of dental anomalies in children. The role of normalization of the functions of closing the lips, swallowing and chewing in the prevention of dentoalveolar anomalies in children.
5. Diagnosis and differential diagnosis of initial forms of caries and non-carious lesions.
6. Preparation of abstracts and presentations on the topic "New coronavirus infection COVID-19" (individual topics: distribution, prevention methods, rules for the use of PPE, types of respirators, rules for the operation of the gateway, etc.).

## **9. Forms of reporting on practice.**

### **9.1. Diary (report) on practice.**

During the production practice, the student must keep a diary, which reflects practical skills and their development, all work performed is recorded.

The industrial practice diary is an official document and is kept in a common notebook, issued in accordance with the requirements in accordance with the established model. The diary is filled daily, neatly, legibly. At the end of the practice, the student receives a reference from the base head of the practice, certified by the signature of the head of the department and the official seal of the institution.

### **I. Title page**

**Federal State Budgetary Educational Institution  
Higher education  
Privolzhsky Research Medical University  
Department of propaedeutic dentistry**

#### **DIARY OF FIELD PRACTICE**

summer internship as  
dental hygienist assistant  
**FULL NAME. student**\_\_\_\_\_

**Faculty - Dentistry**

**Year-3, group** \_\_\_\_\_

Base of practice (city, medical facility, department, office)\_\_\_\_\_

FULL NAME and the position of the head of the medical institution\_\_\_\_\_

FULL NAME and the position of head of practice at PRMU\_\_\_\_\_

Terms of internship from \_\_\_\_\_ to \_\_\_\_\_

Signature of the head of the medical institution, date, seal of the health facility\_\_\_\_\_

Exam practice mark, date, signature\_\_\_\_\_

The internal pages of the diary are designed in the following form:

**Diagram of the diary.**

date	Name of the patient	Age	№MK SB	Patient complaints	objective data	Diagnoses	Treatment	UE T	Signature
1	2	3	4	5	6	7	8	9	10

The student's work practice diary is an official document and is kept in a common notebook. The diary is filled out daily, neatly, legibly. The diary should reflect all the work that the student has done independently.

When filling out the admission diary, it must be remembered that the diagnosis must be confirmed by complaints and objective data, the justification of the diagnosis is the main condition.

The diary is signed daily by the curator.

Sample diary entry plan

On the first day, students write down the data of acquaintance with the base of industrial practice: the number of rooms / installations, the contingent of patients, the organization of the unit's work, equipment. In the following days, the diary briefly reflects all the work that the student did on his own, either as an assistant, or was present during the performance. The various manipulations performed, their number is indicated (for compiling a summary report on the performed practical skills for the period of practice for each position).

During the summer internship, the student is obliged to conduct a sanitary-educational conversation / lecture with the children and their parents (at the chair, in the hall of the department). In the appropriate section of the diary, you must indicate the date and duration of the meeting, the topic of the conversation / lecture, the venue and the number of patients present. The implementation of sanitary and educational work is confirmed by a certificate indicating the date, topic, place of the conversation / lecture, certified by the signature of the head (basic).

*Sanitary and educational work*

date	Name of lectures, conversations.	Location	Number of listeners

**9.2. Feedback from the practice base (individual and/or generalized)**

Issued by the direct supervisor of the practice. When writing a characteristic, the following indicators should be reflected:

1. The level of theoretical training.
2. Possession of practical skills.
3. Discipline.
4. Compliance with the basics of ethics, deontology and subordination when communicating with medical personnel and patients.
5. Indicate whether the student's stay in the department had practical value.

The characteristic is signed by the head of practice at the health facility and is certified by the seal of the institution.

**CHARACTERISTIC**

For student(s) \_\_\_\_\_

Practice leader: \_\_\_\_\_ score \_\_\_\_\_

Head's signature \_\_\_\_\_

M.P.

**10. Fund of assessment tools for ongoing monitoring and intermediate certification in practice.**

No. p / p	Forms of control	Name of practice section	Evaluation tools		
			kinds	number of security questions	number of options for test items
1	3	4	5	6	7
1	Control of the development of the topic		Test tasks	20	Unlimited (when conducting computer testing)
			Control questions	2	6
2	Control of the development of the topic, control of the student's independent work		Test tasks	20	Unlimited (during computer testing)
			Control questions	2	15
			Situational tasks	1	15
			Essay	1	15
			Diary	1	1
3	Exam	All sections of practice	Control questions	2	28
			Situational tasks	1	40

\*in the context of the implementation of the program of industrial practice with the use of EOS and DOT (see Appendix 1).

### ***Questions for the summer internship test***

1. Tooth deposits, classification. Pellicle: composition, structure, formation mechanism, properties, identification, functions in relation to enamel.
2. Soft plaque and food debris. Localization, composition, structure, properties of soft plaque, its differences from dental plaque. The importance of soft plaque and food residues for the development of dental caries and periodontal disease.
3. Dental plaque: detection, localization, composition, structure, formation mechanism. Microorganisms of dental plaque in the development of caries and periodontal diseases.
4. Supragingival and subgingival calculus. Frequency and mechanism of formation, localization, detection, composition, properties, role in the development of periodontal diseases.
5. The composition and properties of the oral fluid, its role in the processes of enamel maturation, demineralization and remineralization. The value of pH viscosity, buffer capacity, ability to crystallize, etc. for the development of a cariogenic situation in the oral cavity.
6. Methods for studying dental status: studying the face, regional lymph nodes, respiratory function, swallowing, speech, chewing, temporomandibular joint, salivary glands. Signs of a physiological and pathological condition.
7. Indicators of dental health of the population: prevalence and intensity, increase and degree of activity of caries, indexes "kp", "KPU", RMA, CPITN and others. Methods for calculating indicators, their evaluation, significance for dentists.
8. The concept of a cariogenic situation and cariogenic factors. The value of the intensity of the duration of action of cariogenic factors, the dependence of the result on caries resistance of tooth enamel.
9. Local cariogenic factors. Significance in the development of a cariogenic situation.
10. The significance of malnutrition (composition, consistency, the presence of preservatives, stickiness, easily digestible carbohydrates, frequency of intake, etc.) in the development of a cariogenic situation in the oral cavity. The role of fluorine deficiency in drinking water in the development of dental caries in the population of the region.
11. Caries resistance of tooth enamel. Influence of chemical composition, structure of enamel, genetic code on caries resistance of enamel.
12. Detection of dental deposits: methods, assessment using Fedorov-Volodkina, Green-Vermillion hygienic indices. The use of indexes in dentistry.
13. Methods for the study of hard tissues of the tooth (inspection, probing, drying, vital staining, transillumination, luminescent, radiographic, etc.). Recording the international dental formula.
14. Professional oral hygiene. Significance in the prevention of dental diseases. A set of measures for professional oral hygiene, personnel and material support.



15. Controlled brushing of teeth: methodology, assessment of technique and quality of brushing teeth. Application in dentistry.
16. Instrumental and ultrasonic methods of tartar removal. Conditions and technique of execution, advantages and disadvantages of methods.
17. Individual oral hygiene, its importance in the prevention of dental diseases. Items for personal hygiene of the oral cavity. Toothbrushes (regular, special, electric): structure, properties, indications for use. Brush care. Toothpicks, flosses, interdental stimulators, oral irrigators. Their varieties, structure, properties, indications and methods of application. Flossing technique.
18. Teeth brushing methods (standard, Charter, Bass, Stillman, etc.).
19. Therapeutic and prophylactic toothpastes. Classifications. Composition, properties, indications and methods of application of anti-caries and anti-inflammatory toothpastes.
20. Features of oral care of patients with dentoalveolar anomalies undergoing orthodontic treatment, having dentures, in the postoperative period, etc.
21. Health education in dentistry: purpose, objects, types, means, forms, principles, methods. Significance in the prevention of dental diseases.
22. Hygienic education and training of the population in the field of dentistry. Performers and content of work in preschool institutions. Methodology for conducting a health lesson in kindergarten.
23. The value of health education of future parents in the prevention of dental anomalies in children. The role of normalization of the functions of closing the lips, swallowing and chewing in the prevention of dentoalveolar anomalies in children.
24. Bad habits in children as an etiological factor of dental anomalies and deformities. Methods for their detection and ways to eliminate them. The value of timely sanitation of the oral cavity, pharynx, nasopharynx in the prevention of dental anomalies.
25. Prevention of fissure caries. Composition, properties, mechanism of action, methods of using materials for sealing and sealing the natural recesses of the teeth. Indications, technique of performing procedures, personnel, effectiveness of sealing fissures of teeth.
26. Endogenous caries preventive drugs: composition, properties, mechanism of action, indications and contraindications, methods of application. Significance and mechanism of action of fluorides.
27. Exogenous means of prevention of dental caries. Advantages and disadvantages of topical application of fluorides, comparative characteristics of organic and inorganic fluorides.
28. Non-drug prevention of dental caries: rational nutrition, healthy lifestyle and other self-help methods.

11. Educational, methodological and information support for practice (printed, electronic publications, Internet and other network resources).

11.1. List of basic literature:

No.	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1	Propaedeutic dentistry: textbook / E. A. Bazikyan, L. V. Volchkova, G. I. Lukina, K. I. Golovin, D. A. Seleznev; ed. E. A. Bazikyan, O. O. Yanushkevich. - 2nd ed., add. and reworked. - M. : GEOTAR-Media, 2013. - 640 p. : ill. .	3	109
2	Development and structure of the tooth: textbook / E. V. Kondyurova, L. N. Kazarina, L. V. Vdovina; Ed. organization Nizhny Novgorod State Medical Academy. - N. Novgorod: NizhGMA, 2011. - 142 p. : ill. soft	6	120
3	Prevention of dental caries and periodontal diseases / L. M. Lukinykh. - M. : Medical book, 2003. - 196 p. : soft	1	193
4	Fluorine in dentistry: textbook / A. E. Pursanova, L. N.	5	105

	Kazarina, L. K. Ellaryan; Ed. organization Nizhny Novgorod State Medical Academy. - N.Novgorod: NizhGMA, 2012. - 92 p. : soft 5 105		
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### 11.2. List of additional literature:

No.	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1	Practical Therapeutic Dentistry [Electronic resource]: textbook / A. I. Nikolaev, L. M. Tsepov. – 9th ed. (electron.). - M. : MEDpress-inform, 2016. - 929 p. – Access mode: <a href="http://books-up.ru/product/77870">http://books-up.ru/product/77870</a> . - Free access from the Academy's computers. Access from other IP addresses requires a login and password (available to registered users at the EBS Academy). - Zagl. with title. screen.	3	1 Electronic variant
2	Maksimovsky Yu. M. Modern filling materials in clinical dentistry: a guide / Yu. M. Maksimovsky, T. V. Ulyanova, N. V. Zablotskaya. - M. : MED press-inform, 2008. - 39 p. : tsv.ill.	1	1
3	Histology, cytology and embryology: a brief atlas / S. I. Yushkantseva, V. L. Bykov. - 2nd ed., revised. and additional - St. Petersburg. : P-2, 2007. - 120 p. : ill. soft - Account cards. N1735 Training Ab. N1 -511 copies.	1	508
4	Tests for the prevention of dental diseases / comp. L. N. Kazarina, L. V. Vdovina, O. O. Gushchina; Ed. organization Nizhny Novgorod State Medical Academy. - N. Novgorod: Publishing House of NizhGMA, 2009. - 132 p. : soft	5	103
5	Preventive dentistry (guidelines for the primary prevention of dental diseases): textbook / N. V. Kuryakina, N. A. Savelyeva. - M.: Medical book; N.Novgorod: NGMA, 2005. - 284 p. : ill. soft	1	1

### 11.3. List of guidelines for independent work of students:

No.	Name according to bibliographic requirements	Number of copies	
		at the department	in library
1.	Treatment of periodontal diseases. / E.N. Zhulev, N.V. Kruglova, A.V. Kochubeinik. // Nizhny Novgorod, 2016. ISBN 978-5-7032-1077-2. - 162 p.	1	1
2.	The scheme of examination and writing a medical record of a dental patient (guidelines) / Kondyurova E.V., Uspenskaya O.A. // Saransk: Publishing House Mordovs. un-ta, 2015. - 72 p.	1	1

### 11.4. Electronic educational resources used in the process of teaching the discipline:

#### 11.4.1. Internal Electronic Library System of the University (VEBS)

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
Internal electronic library system (VEBS)	Proceedings of the teaching staff of the university: textbooks and teaching aids, monographs, collections of scientific papers, scientific articles, dissertations,	from any computer on the Internet, using an individual login and password	Not limited

	abstracts of dissertations, patents.		
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#### 11.4.2. Electronic educational resources purchased by the university\*

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Electronic database "Student Advisor"	Educational literature + additional materials (audio, video, interactive materials, test tasks) for higher medical and pharmaceutical education. Editions are structured by specialties and disciplines in accordance with the current Federal State Educational Standards of Higher Professional Education.	from any computer on the Internet, using an individual login and password [Electronic resource] - Access mode: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>	General subscription of PRMU
Electronic library system "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translations of foreign publications.	from any computer located on the Internet by login and password, from the computers of the academy. Subscribed editions are available for reading. [Electronic resource] - Access mode: <a href="http://www.books-up.ru/">http://www.books-up.ru/</a>	General subscription of PRMU
"Bibliopoisk"	Integrated search service "single window" for electronic catalogs, ELS and full-text databases. The results of a single search in the demo version include documents from domestic and foreign electronic libraries and databases available to the university as part of a subscription, as well as from open access databases.	For PIMU, access to the demo version of the Bibliopoisk search engine is open: <a href="http://bibliosearch.ru/pimu">http://bibliosearch.ru/pimu</a> .	General subscription of PRMU
Domestic electronic periodicals	Periodicals on medical topics and higher education	- from the computers of the academy on the platform of the electronic library eLIBRARY.RU -magazines publishing house "Mediasphere" - from the computers of the library or provided library at the request of the user [Electronic resource] - Access mode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	
International scientometric database "Web of Science Core Collection"	Web of Science covers materials on natural, technical, social, humanities; takes into account the mutual citation of publications developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PIMU computers [Electronic resource] - Access to the resource at: <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	Free access from PRMU computers

#### 11.4.3 Open access resources

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Electronic resource] - Access mode: <a href="http://neb.rf/">http://neb.rf/</a>	from any computer on the Internet
Scientific electronic library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] - Access mode: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	from any computer on the Internet.
Scientific electronic library of open access	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring	from any computer on the Internet

CyberLeninka	countries.[Electronic resource] - Access mode: <a href="https://cyberleninka.ru/">https://cyberleninka.ru/</a>	
Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication[Electronic resource] - Access mode: <a href="http://www.rsl.ru/">http://www.rsl.ru/</a>	from any computer on the Internet
Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc. [Electronic resource] - Access mode: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a>	from any computer on the Internet

## 12. Logistics support of the practice:

### 12.1. List of organizations\* used in the practice:

1. University Clinic of FGBOU VO "PIMU" of the Ministry of Health of Russia

2. GAUZ NO Regional dental clinic (13 branches)

2. GBUZ NO OKB named after Semashko N. Novgorod

3. FBUZ POMC FMBA of Russia, Nizhny Novgorod

4. Private clinics in Nizhny Novgorod:

Nika Spring LLC

Image-stomatology LLC

OOO TsRS "Sadko"

Alfa-Dent LLC

Elegra-Stomatology LLC

OOO "Dent-Clinic"

Arsdent LLC

OOO Dental Art"

OOO "Rost-clinic" Alexandria

RUSMED LLC Dental clinic DENTALROOM

LLC "Clinic of Modern Dentistry of Dr. Mareev"

LLC "Dental Clinic of Dr. Baryshev"

5. Regional, republican, regional, city, central district hospitals of the regions of the Russian Federation (GBUZ NO Arzamas Dental Polyclinic, GBUZ NO Children's Dental Polyclinic of Dzerzhinsk, State Healthcare Institution Tula Regional Dental Clinic, State Healthcare Institution Tula Regional Children's Dental Clinic, State Healthcare Institution of the Republic of Moldova Mordovian Republican Dental Clinic, State Healthcare Institution of Health Kostroma Regional Dental Clinic, State Healthcare Institution of Health Kostroma Regional Dental Clinic No. 1 Kostroma, GBUZ NO Lyskovskaya CRH, GBUZ NO Vyksunskaya CRH, GBUZ NO Pavlovskaya CRH, GBUZ NO Borskaya CRH, GBUZ NO Kstovskaya CRH, GBUZ NO Kulebaskaya CRH, GBUZ NO BSMP Dzerzhinsk, FGBUZ CB No. 50 FMBA of Russia Sarov, GAUZ NO Arzamas Dental Polyclinic .GAUZ Bryansk Regional Dental Clinic, GBUZ Melenkovskaya Central District Hospital of Vladimir Region, GBU "Morkinskaya CRH" of the Republic of Mari El, Republic of Dagestan Novolasky District LLC Eskerkhanov Dent, GBUZ YaO Central City Clinical Hospital of the Yaroslavl Region, GBUZ VO Kovrov Dental Clinic, Ministry of Health of the Republic of Latvia SIA "Clinic of Dent ", Kotlas Medical and Dental Clinic, Arkhangelsk Region, State Budgetary Institution of Healthcare Kostroma Regional Dental Clinic No. 1, Kostroma, LLC Center for Dentistry in Vologda, Republic of Ingushetia, Malgobek Central District Hospital, State Budgetary Institution of Health, Vladimir Region. Murom City Hospital No. 2, ZIO-Dent LLC, Vladimir Region Murom, State Budgetary Institution of Health, Vladimir Region Suzdal Republic of Belarus, Center for Dentistry of the Republic of Mordovia.

### 12.2. List of equipment\* used during the practice:

1. Workplace (set of equipment) for a dentist: a dental unit, including a dentist's unit (drill), a dental chair, a dental hydraulic unit, a dental operating lamp, a universal working place for a dentist, including a dental unit equipped with a turbine, a micromotor, a diathermocoagulator, ultrasonic scaler, vacuum cleaner, negatoscope.

2. A set of devices, tools, medicines, methodological materials and documents for providing emergency medical care in life-threatening conditions (a first-aid kit for emergency care in case of general somatic complications in dental offices).

3. Glasperlene dental sterilizer for small instruments.

4. Dry-air sterilizer in the absence of a central sterilization and autoclave.

5. Handpiece autoclave (tabletop steam sterilizer).

6. Device and means for cleaning and lubricating tips in the absence of an autoclave for tips.

7. Means and container-containers for disinfection of instruments.

8. Handpiece dental mechanical angled for micromotor

9. A set of tools for examining the mouth (basic): a medical dental tray, a dental mirror, a dental angle probe, dental tweezers, dental excavators, a wide double-sided trowel, a plugger trowel.
10. A set of tools in the range for removing dental plaque excavators, hooks for removing tartar.
11. A set (tools, brushes, discs, pastes) for grinding and polishing fillings.
12. Items and means of personal hygiene
13. Means of remineralizing therapy
14. Educational dummies (teeth with carious cavities, phantom jaws and toothbrushes to demonstrate rational oral hygiene, artificial and natural human teeth).

13. List of changes in the work program of the practice "Assistant dental hygienist", module "Propaedeutic dentistry"

No.	Date of change	No. of the minutes of the meeting of the department, date	Content of changes	Signature
1	01/26/2022	Minutes No. 8 dated 01/26/2022	Section 8. Content of practice (Appendix 1. Organization of practical training for students in the context of preventing the spread of a new coronavirus infection)	Head department Kochubeynik A.V.

### Procedure for the implementation of the internship program using EOS and DOT

#### 8. The content of the practice.

##### 8.1. Sections of practice and types of classes

No. p / p	Section name	Types of educational work* (in ACH)					
		L	LP	PZ	WITH	SRS	Total
1	Industrial practice "Assistant dental hygienist"	10		74		60	144
	TOTAL	10		74		60	144

\* L - lectures; LP - laboratory workshop; PZ - practical exercises; C - seminars; SRS - independent work of the student.

##### 8.2. Thematic plan of lectures:

No. p / p	Name of lecture topics	Volume in Ah
1	Carrying out dental examinations for children and adults. Equipment for the hygiene and prevention room. Tools. Indicators of dental health of the population: prevalence and intensity, increase and degree of activity of caries, indexes "kp", "KPU", RMA, CPITN and others. Methods for calculating indicators, their evaluation, significance for dentists.	2
2	Psychological features of communication with patients. How to deliver bad news: solving practical problems. Professional communication of medical workers. NURSE protocol: Empathy in the work of a doctor	2
3	The composition and properties of the oral fluid, its role in the processes of enamel maturation, demineralization and remineralization. The value of pH viscosity, buffer capacity, ability to crystallize, etc. for the development of a cariogenic situation in the oral cavity.	2
4	Focal demineralization of enamel, methods of remineralizing therapy. Microabrasion. Remotherapy. Preparations. Significance and mechanism	2

	of action of fluorides.	
5	Professional oral hygiene. Significance in the prevention of dental diseases. A set of measures for professional oral hygiene, personnel and material support. Instrumental and ultrasonic methods of tartar removal. Conditions and technique of execution, advantages and disadvantages of methods.	2
	TOTAL (total - 10 Ah)	10

### 8.3. Thematic lesson plan:

No. p / p	Name of the topics of classes	Volume in Ah
1	Methods for studying dental status: studying the face, regional lymph nodes, respiratory function, swallowing, speech, chewing, temporomandibular joint, salivary glands. Signs of a physiological and pathological condition	7
2.	Individual oral hygiene. Selection of personal hygiene products. Teeth brushing methods (standard, Charter, Bass, Stillman, etc.). Controlled brushing of teeth: methodology, assessment of technique and quality of brushing teeth.	7
3.	Methods for the study of hard tissues of the tooth (inspection, probing, drying, vital staining, transillumination, luminescent, radiographic, etc.). Recording the international dental formula.	7
4.	The concept of a cariogenic situation and cariogenic factors. The value of the intensity of the duration of action of cariogenic factors, the dependence of the result on caries resistance of tooth enamel. Caries resistance of tooth enamel. Influence of chemical composition, structure of enamel, genetic code on caries resistance of enamel.	7
5.	Prevention of fissure caries. Composition, properties, mechanism of action, methods of using materials for sealing and sealing the natural recesses of the teeth. Indications, technique of performing procedures, personnel, effectiveness of sealing fissures of teeth.	7
6.	Features of oral care of patients with dentoalveolar anomalies undergoing orthodontic treatment, during implantation, having dentures, in the postoperative period, etc.	7
7.	Prevention of occupational hazards of a dentist	4
8.	Bad habits in children as an etiological factor of dental anomalies and deformities. Methods for their detection and ways to eliminate them. The value of timely sanitation of the oral cavity, pharynx, nasopharynx in the prevention of dental anomalies.	7
9.	Professional oral hygiene. Significance in the prevention of dental diseases. A set of measures for professional oral hygiene, personnel and material support. Instrumental and ultrasonic methods of tartar removal. Conditions and technique of execution, advantages and disadvantages of methods.	7
10.	Prevention of periodontal diseases.	7
eleven.	Modern method of periodontal diagnostics using the Florida probe <b>and modern treatment of gum recession</b>	7
	TOTAL (total - 74 Ah)	74

### 8.4. Types and topics for student independent work (SIW):

No. p / p	Types and topics of the SRS	Volume in Ah
1	Individual oral hygiene, its importance in the prevention of dental diseases. Items for personal hygiene of the oral cavity. Toothbrushes (regular, special, electric): structure, properties, indications for use. Brush care. Toothpicks, flosses, interdental	6

	stimulators, oral irrigators. Their varieties, structure, properties, indications and methods of application. Flossing technique.	
2	Diagnosis and differential diagnosis of initial forms of caries and non-cariou lesions	6
3	The significance of malnutrition (composition, consistency, the presence of preservatives, stickiness, easily digestible carbohydrates, frequency of intake, etc.) in the development of a cariogenic situation in the oral cavity. The role of fluorine deficiency in drinking water in the development of dental caries in the population of the region.	6
4	Non-drug prevention of dental caries: rational nutrition, healthy lifestyle and other self-help methods.	6
5	The value of health education of future parents in the prevention of dental anomalies in children. The role of normalization of the functions of closing the lips, swallowing and chewing in the prevention of dentoalveolar anomalies in children.	6
6	Preparation of abstracts and presentations on the topic "New coronavirus infection COVID-19" (individual topics: distribution, ways of prevention, rules for the use of PPE, types of respirators, rules for the operation of the gateway, etc.)	6
7	Working with electronic resources on the PIMU distance education portal	8
8	Preparation for testing, online testing	8
9	Preparation for the test	8
	TOTAL (total - 60 Ah)	60