

No. Stom-21

Federal State Budgetary Educational Institution
Higher Education
"NORTH OSSETIAN STATE MEDICAL ACADEMY"
Ministry of Health of the Russian Federation



WORKING PROGRAM OF THE DISCIPLINE

«DENTISTRY:PROPAEDEUTICS»

the main professional educational program of higher education - specialist's programs in the
specialty 31.05.03 Dentistry,
approved May 24, 2023

Form of study _____ full-time _____

Term of development of OPOP VO _____ 5 _____

Department of Dentistry №3

Department of Dentistry №1

Vladikavkaz, 2023

When developing the work program of the discipline, the following are taken as the basis:

1. Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 984

2. Curriculum of the OPOP HE in the specialty 31.05.03 Dentistry

Stom-21-01-21

Stom-21-02-22

Stom-21-03-23,

approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia 05/24/2023 Protocol No. 8

The work program of the discipline was approved at a meeting of the Department of Dentistry No.3 dated 05/19/2023 Protocol No. 10

The work program of the discipline was approved at a meeting of the Department of Dentistry No.1 dated 05/19/2023 Protocol No. 10


The work program of the discipline was approved at a meeting of the central coordinating educational and methodological council from 05/23/2023 Protocol No. 4

The work program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia 05/24/2023 Protocol No. 8

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Content of the work program

- 1.** name of the discipline;
- 2.** a list of planned learning outcomes in the discipline, correlated with the planned results of mastering the educational program;
- 3.** indication of the place of the discipline in the structure of the educational program;
- 4.** the volume of discipline in credit units indicating the number of academic or astronomical hours allocated for contact work of students with a teacher (by type of training) and for independent work of students;
- 5.** the content of the discipline, structured by topics (sections) indicating the number of academic or astronomical hours allocated to them and types of training sessions;
- 6.** a list of educational and methodological support for independent work of students in the discipline;
- 7.** assessment materials for conducting intermediate certification of students in the discipline;
- 8.** a list of basic and additional educational literature necessary for mastering the discipline;
- 9.** a list of resources of the information and telecommunications network "Internet" (hereinafter referred to as the "Internet" network) necessary for mastering the discipline;
- 10.** methodological instructions for students on mastering the discipline;
- 11.** a list of information technologies used in the implementation of the educational process in the discipline, including a list of software and information reference systems (if necessary);
- 12.** description of the material and technical base necessary for the implementation of the educational process in the discipline;
- 13.** conducting educational activities using e-learning and distance learning technologies.

2.The list of planned learning outcomes in the discipline and the results of mastering the educational program

| No. p / p | Number / index of competence | Content of competence (or parts of it) | Topic of the lesson (section) | Competency achievement indicators | Development results | | |
|-----------|------------------------------|---|--|---|--|---|---|
| | | | | | know | be able to | own |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
| 1. | UK-1 | Able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy | - Anatomical and physiological features of the structure of the dentoalveolar system; embryogenesis of the dental system; histological structure of teeth, periodontium; - methods of clinical examination of a dental patient; major dental diseases, treatment methods | ID-1UK-1 Analyzes the problem situation and decomposes it into separate tasks ID-2UK-1 Develops a strategy for solving problems ID-3UK-1 Forms possible solutions to problems | - methods of abstract thinking in establishing the truth, methods of scientific research by mental dismemberment of the object (analysis) and by studying the subject in its integrity, the unity of its parts (synthesis); - | - use the methods of abstract thinking, analysis and synthesis, analyze alternative options for solving research problems and evaluate the effectiveness of the implementation of these options | skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, discussions and round tables; |
| 2. | UK-6 | Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning | | ID-1UK-6 Assesses own resources and their limits (personal, situational, temporary), uses them optimally for the successful completion of the assigned task ID-2UK-6 Determines the priorities of personal growth and ways to improve one's own performance based on self-assessment | - potential strengths and weaknesses of the personality; - effective ways of self-learning; - methods of effective time planning; - major time wasters | - make long-term and short-term plans; - organize your time; - build a portfolio; - plan your life for the period of study in an educational organization | - techniques for analyzing meaningful life problems and setting priorities; - planning your professional trajectory |
| 3. | OPK-1 | Able to implement moral and legal norms, ethical and deontological | Examination of a dental patient with pathology of hard dental tissues of carious and non-carious origin. | ID-1OPK-1 Complies with moral and legal standards in professional activities. | -professional ethics and deontology of medical practice; -the role of | - communicate with patients and colleagues; - work in a team in | - communication skills with colleagues and patients |

| | | | | | | | |
|--------------|---------------|---|---|--|--|--|---|
| | | principles in professional activities | Iatrogenicity in dental practice. Ergonomics and deontological principles in the treatment of caries and non-carious lesions of hard dental tissues. | ID-2OPK-1 Able to assess the social and personal characteristics of the patient and the degree of their influence on the course of the disease ID-3OPK-1 Presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology | informed consent | the diagnosis and treatment of various types of pathology | |
| four. | OPK-6 | Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems | Anesthesia methods in dentistry. Methods for removing dental deposits. Stages and principles of preparation of hard tissues of teeth. Technologies for the restoration of the crown part of the teeth. Methods of instrumental processing of root canals. Root canal obturation methods. Technique of extraction of teeth of the upper and lower jaw. Preparation of teeth for various types of fixed prostheses. | ID-1OPK-6 Removes dental deposits on phantoms and models ID-2OPK-6 performs Black preparation on phantom teeth ID-3OPK-6 Carries out the correct choice of filling material, with the help of which it restores the crown part of the tooth | - Types of dental deposits and methods of their removal; -classification of carious cavities according to Black - filling materials used for filling carious cavities and obturating root canals; -methods of anesthesia; - tooth extraction techniques; - types of fixed orthopedic structures; rules and stages of tooth preparation for various types of crowns | - use phantom dental units and tips; - to carry out infiltration and conduction anesthesia on the upper and lower jaws; dissect carious cavities according to Black; prepare teeth for crowns | - skills of preparation of hard tissues of teeth, filling of carious cavities; skills of manual cleaning of mineralized deposits; teeth polishing skills; the skills of imposing temporary and permanent filling materials, the skills of manual instrumentation of root canals. |
| 5. | OPK-13 | Able to solve standard tasks of professional activity using information, | Organization and equipment of the dental office Examination of a dental | ID-1OPK-12 Uses modern information and communication tools and | -composition and purpose of the main elements of a | -use educational, scientific, popular science literature, | - basic information transformation technologies: text, |

| | | | | | | | |
|-----------|-------------|--|---|--|--|--|--|
| | | <p>bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic requirements of information security</p> | <p>patient in the treatment of caries and non-carious lesions of hard dental tissues Preparation of the oral cavity for the treatment of caries and non-carious lesions of hard dental tissues.</p> <p>Etiology, pathogenesis of dental caries. Epidemiology of dental caries.</p> <p>Clinic, diagnosis, differential diagnosis of dental caries.</p> <p>Treatment methods for dental caries.</p> | <p>technologies in professional activities. ID-2OPK-12 Complies with the rules of information security in professional activities.</p> | <p>personal computer, their characteristics; - concepts and classification of software - basics of probability theory and mathematical statistics; -</p> | <p>the Internet for professional activities; - carry out statistical processing of experimental data;</p> | <p>spreadsheet editors; - techniques of working on the Internet for professional activities; - medical-functional conceptual apparatus; - methods of processing text and graphic information</p> |
| 6. | PC-4 | <p>Carrying out and monitoring the effectiveness of sanitary and anti-epidemic and other preventive measures to protect public health</p> | <p>Introduction to the specialty. Organization of the work of a dentist at an outpatient dental appointment. Acquaintance with medical records. Sanitary and hygienic standards for the organization of dental care in Russia. Disinfection and sterilization. Basic and additional methods of examination.</p> | <p>ID-3 PC-4 Performs the prescribed actions when carrying out anti-epidemic measures for infectious diseases (submission of an emergency notification of the focus of infection, identification and observation of contact persons) ID-4 PC-4 Uses methods of primary and secondary prevention ID-6 PK-4 Uses personal protective equipment</p> | <p>Sanitary and epidemiological norms and requirements; - rules for the use of personal protective equipment</p> | <p>-Prevent caries and non-carious lesions - Apply methods of organizing primary prevention of dental diseases in any age group -use personal protective equipment</p> | <p>- skills to fulfill the requirements of labor protection, fire safety, emergency procedures - perform the prescribed actions when carrying out anti-epidemic measures for infectious diseases</p> |

3. The place of discipline in the structure of the educational program

The discipline is included in the mandatory part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry.

Types of tasks of professional activity that underlie the teaching of this discipline:

1. Medical
2. Organizational and managerial
3. Research

4. Scope of discipline

| No · No · p/ n | Type of work | Total credit units | Total hours | Semesters | |
|-------------------------------|--|--------------------|--------------|-------------|-------------|
| | | | | one | 2 |
| | | | | hours | hours |
| 1 | 2 | 3 | four | 5 | 6 |
| 1 | Contact work of students with teacher (total), including: | - | 188 | 102 | 86 |
| 2 | Lectures (L) | - | 36 | eighteen | eighteen |
| 3 | Clinical Practice (PP) | - | 152 | 84 | 68 |
| 4 | Seminars (C) | | | | |
| 5 | Laboratory work (LR) | | | | |
| 6 | Student Independent Work (SIW) | - | 64 | 42 | 22 |
| 7 | Type of intermediate attestations | credit (G) | | | |
| | | exam (E) | - | 36 | 36 |
| 8 | TOTAL: General laboriousness | hours | 288 | 144 | 144 |
| | | Z | eight | four | four |

5. The content of the discipline

| No. /n | semester number | Name of the topic (section) of the discipline | Types of learning activities (in hours) | | | | | Forms of current progress control |
|-----------|-----------------|--|---|----|----|-----|-------|-----------------------------------|
| | | | L | LR | PZ | SRS | Total | |
| 1 | 2 | 3 | four | 5 | 6 | 7 | eight | 9 |
| 1. | 1 | Introduction to the specialty. Organization of the work of a dentist at an outpatient dental appointment. Acquaintance with medical records. | | - | 6 | 6 | 12 | S, TK, SZ |
| 2. | 1 | Anatomical and histological structure of hard tissues of teeth. Features of teeth of different groups. Signs of teeth. dentition Anatomical and histological structure of the periodontium and periodontium. | 4 | - | 8 | 6 | 18 | S, TK, SZ |

| | | | | | | | | |
|---------------|---|--|-----------|----------|------------|-----------|------------|-----------|
| 3. | 1 | Basic and additional methods of examination. | 2 | - | 8 | 4 | 14 | S, TK, SZ |
| 4 | 1 | Dental deposits. | 2 | - | 8 | 2 | 12 | S, TK, SZ |
| 5. | 1 | Principles of preparation of carious cavities. | 2 | - | 16 | 4 | 22 | S, TK, SZ |
| 6. | 1 | Filling of carious cavities. | 4 | - | 14 | 10 | 28 | S, TK, SZ |
| 7. | 1 | Endodontics. | 4 | - | 24 | 10 | 38 | S, TK, SZ |
| 8. | 2 | Biomechanics of the chewing apparatus. | 2 | - | 8 | 7 | 17 | S, TK, SZ |
| 9. | 2 | Fixed dentures. Odontopreparation. | 6 | - | 32 | 7 | 45 | S, TK, SZ |
| 10/ | 2 | Surgery to remove a tooth. | 10 | - | 28 | 8 | 46 | S, TK, SZ |
| TOTAL: | | | 36 | - | 152 | 64 | 252 | |

Note:S - interview, TK - test tasks, SZ - situational tasks, KZ - training tasks

7. The list of educational and methodological support for independent work of students in the discipline

| P/ No. | semester number | Name | The authors) | Year, place of publication |
|---------------|------------------------|--|--------------------------------|-----------------------------------|
| one | 2 | 3 | four | 5 |
| one. | one | Guidelines for students "Dentistry: propaedeutics", specialty Dentistry, 1st year. | Remizova A.A., Morgoeva Z.Z. | SOGMA, 2020 |
| 2 | 2 | Guidelines for students "Dentistry: propaedeutics", specialty Dentistry, 1st year. | Dzgoeva M.G. Kabaloeva D.V. | SOGMA, 2018 |
| 3 | 2 | Guidelines for students for self-training in the discipline "Propaedeutics of Dental Diseases" 1st year 2nd semester | Khetagurov S.K. Kabaloeva D.V. | SOGMA, 2018 |
| 4 | 2 | "Propaedeutics of Dental Diseases" Guidelines for practical exercises for students of the 1st year of the 2nd semester | Khetagurov S.K. Kabaloeva D.V. | SOGMA, 2018 |

7. Assissment materials for conducting intermediate certification of students in the discipline

| No./n | List of competencies | No. semester | Indicator(s) evaluation | Evaluation criterion(s) | Evaluation scale | Name AM |
|--------------|--|---------------------|--|--|--|-----------------------------|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 |
| one | UK-1 UK-6 OPK-1 OPK-6 OPK-13 PC-4 | 1.2 | see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education | see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education | see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education | Test tasks. Exam tickets |

| | | | | | | |
|--|--|--|--|--|--|--|
| | | | SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o | SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o | SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o | |
|--|--|--|--|--|--|--|

8. The list of basic and additional educational literature necessary for mastering the discipline

Main literature

| P/ No. | Name | The authors) | Year, place of publication | Number of copies | |
|--------|--|------------------------------|-------------------------------------|------------------|--|
| | | | | in library | at the department |
| one | 2 | 3 | four | 5 | 6 |
| | Propaedeutics of dental diseases: textbook | Ed. A. V. Sevbitova. | M.: MIA, 2018. | 100 | |
| one | Propaedeutic dentistry: textbook | ed. E. A. Bazikyan | Moscow: GEOTAR-Media, 2010, 2013 | 92 3 | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970414804.html |
| 2 | Dental instrumentation: atlas | Bazikyan E. A. | Moscow: GEOTAR-Media, 2015, 2017 | one | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970440490.html |
| 3 | Nikolaev A. I. Phantom course of therapeutic dentistry: textbook | Nikolaev A. I., Tsepov L. M. | Moscow: MEDpress-inform, 2013, 2014 | eight 27 | |
| four | Features of disinfection and sterilization in dentistry: textbook. allowance | Ed. E. A. Bazikyan | M.: GEOTAR-Media, 2014 2016 | one one | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970430569.html |

additional literature

| P/ No. | Name | The authors) | Year, place of publication | Number of copies | |
|--------|--|-------------------|----------------------------|------------------|--|
| | | | | in library | at the department |
| 1 | 2 | 3 | 4 | 5 | 6 |
| 1 | Dental instrumentation: color satin | ed. E.A. Bazikyan | M.: GEOTAR-Media, 2007 | 15 | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970405918.html |
| 2 | Dentistry. Thematic tests: textbook. allowance. In 2 parts. Part 1 | ed. E.A. Bazikyan | M.: GEOTAR-Media, 2009 | | "Student Advisor" |

| | | | | | |
|---|--|--|---------------------------|---|--|
| | | | | http://www.studmedlib.ru/book/ISBN9785970412459.html | |
| 3 | Propaedeutic dentistry: textbook | E.S. Kalivradzhiyan and others. | M.: GEOTAR-Media, 2013 | 2 | |
| 4 | Organization and equipment of a dental clinic, office. Sanitary and hygienic requirements. Ergonomic fundamentals of the work of a dentist: a textbook | ed. E. A. Bazikyan | M.: GEOTAR-Media, 2014 | one | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970430576.html |
| 5 | Safe anesthesia in dentistry | S. A. Rabino- vich [i dr.]. | M.: GEOTAR-Media, 2018 | 3 | "Student Advisor" http://www.studmedlib.ru/book/ISBN9785970444788.html |
| 6 | Sanitary and hygienic regime in therapeutic dental rooms (departments): textbook, allowance | A. I. Nikolaev, L. M. Tsepov, D. A. Finally. | M.: MEDpress-inform, 2012 | one | |
| 7 | Dictionary-reference book of medical dental terms and concepts | Ed. I. M. Rasulova. | M. : Pero, 2019 | one | |



9. List of resources of the information and telecommunication network "Internet" necessary for mastering the discipline

| No. p / p | Resource name | Website address |
|-----------|---|--|
| 1. | ModernLib - electronic library | http://modernlib.ru |
| 2. | Russian Dental Portal. | www.stom.ru |
| 3. | Electronic books on dentistry. | www.web-4-u.ru/stomatinfo |
| 4. | Medical literature on dentistry. | www.mmbook.ru |
| 5. | Information dental resource. | denta-info.ru |
| 6. | Information resource for students of medical universities | www.studmedlib.ru |
| 7. | Federal Electronic Medical Library (FEMB) | feml.scsmr.rssi.ru/feml |

10. Guidelines for students on the development of the discipline.

Training consists of contact work (188 hours), including a lecture course (36 hours) and practical exercises (152 hours) and independent work (64 hours). The main study time is allocated for practical work on the assimilation of theoretical knowledge, the acquisition of practical skills and abilities.

When studying the discipline, it is necessary to use the entire resource of basic and additional educational literature, lecture material, visual aids and demonstration material and master the practical skills acquired in the course of working with demonstration visual aids, working with patients and solving situational problems.

Practical classes are conducted in the form of preclinical and clinical practice. Preclinical practice is carried out in classrooms with the use of video and photographic materials, in phantom classes, situational tasks are solved. Then the analysis of clinical patients is carried out.

In accordance with the requirements of the Federal State Educational Standard of Higher Education, interactive forms of conducting classes are widely used in the educational process (developing and problem-based learning in the form of role-playing games, practicing practical skills on phantoms, analyzing a specific situation, discussing a theoretical analysis of a topic, multimedia learning). The proportion of classes conducted in interactive forms is at least 10% of classroom classes.

Independent work of students implies preparation for seminars and practical classes and includes: work with visual materials, educational basic and additional literature, Internet resources, writing a case history, an essay.

Work with educational literature is considered as a type of educational work in the discipline "Dentistry" and is performed within the hours allotted for its study (in the IWS section).

Each student is provided with access to the library funds of the Academy and the department.

Guidelines for students and guidelines for teachers have been developed for each section of the discipline.

During the study of the discipline, they independently conduct an examination of patients, draw up a medical history and submit an abstract.

Writing an essay contributes to the formation of skills in working with educational literature, the systematization of knowledge and contributes to the formation of general cultural and professional skills.

Writing an educational medical history forms the ability to analyze medical problems, contributes to mastering the culture of thinking, the ability to correctly formulate its results in writing, the formation of a systematic approach to the analysis of medical information, and the perception of innovations.

The work of a student in a group forms a sense of collectivism and sociability.

Teaching students contributes to the development of their communication skills with the patient, taking into account the ethical and deontological characteristics of pathology and patients. Independent work with patients contributes to the formation of professional behavior, accuracy, discipline.

The initial level of knowledge of students is determined by testing, the current control of mastering the subject is determined by an oral survey during classes, during clinical reviews, when solving typical situational problems and answering test tasks.

At the end of the study of the module, an intermediate control of knowledge is carried out by interviewing, using test control and solving situational problems.

Module questions are included in the State final certification of graduates.

11. The list of information technologies used in the implementation of the educational process in the discipline:

1. Microsoft office
2. Microsoft PowerPoint
3. TestOfficePro testing software
4. Internet Explorer

12. Description of the material and technical base necessary for the implementation of the educational process in the discipline

The Department of Dentistry No. 1 is located on the basis of the SOGMA Dental Clinic (Kirov St., 66). The total area used by the department for the educational process is 61 sq. m2.

Part of the classes is held in the educational building No. 2 on the territory of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia, in classrooms allocated for this purpose.

The department has three rooms:

- an orthopedic room equipped with a dental unit, combined with the office of the head of the department (9 sq. m2), where classes are also held with students,
- one phantom class for 5 phantoms and 8 computers (32 sq. m2),
- an orthopedic room for 3 dental units (20 sq.m2), which also holds practical classes for students.

| No./P | equipment identification | Quantity | Technical condition |
|--------------------------|--------------------------|----------|---------------------|
| one | 2 | 3 | four |
| Special equipment | | | |
| one | notebook | one | good |
| 2 | projector | one | satisfactory |
| 3 | PC | 2 | good |
| four | Dental units | 6 | satisfactory |
| 5 | camera | one | good |
| phantoms | | | |
| one | Dental phantoms | fifteen | satisfactory |
| dummies | | | |
| one | Preparation jaws | thirty | satisfactory |

The Department of Dentistry No. 3 is located on the basis of the SOGMA dental clinic (Kirov St., 66). The total area used by the department for the educational process is 283 m2.

The department has: phantom class (57 sq. m2),

educational and treatment room No. 13 - 18.4 m2 (one installation);

educational and treatment room No. 14 joint. with a training room - 21.6 m2. (one installation);

educational and treatment room No. 15 joint. with a study room -81 m2. (four settings);

educational and treatment room No. 25 joint. with a training room (three installations) -26.2 m2;

educational and treatment room No. 26 together with the office of the head of the department 31 m²(two installations);

educational and methodical room No. 17 (10 m²) ;

assistant - 9 m2.

(Corridor 2nd floor - 15.3 m2. Corridor 3rd floor - 14.3 m2)

Part of the classes is held in the educational building No. 2 on the territory of the Federal State Budgetary Educational Institution of Higher Education SOGMA, in classrooms allocated for this purpose.

| No./ P | equipment identification | Quantity | Technical condition |
|--------------------------|---------------------------------|-----------------|----------------------------|
| one | 2 | 3 | four |
| Special equipment | | | |
| one | notebook | one | good |
| 2 | projector | one | good |
| 3 | PC | 3 | good |
| four | Dental units | 12 | good |
| phantoms | | | |
| one | Dental phantom units | fifteen | satisfactory |
| dummies | | | |
| one | Preparation jaws | 12 | satisfactory |

13. Conducting educational activities using e-learning and distance learning technologies

In the context of the introduction of restrictive measures (quarantine) associated with an unfavorable epidemiological situation, the threat of the spread of a new coronavirus infection and other force majeure events that do not allow training sessions in full-time mode, it is possible to study this discipline or part of it using e-learning and distance learning technologies.

Teaching discipline in the situations described above will be carried out through the development of an electronic course with access to video lectures and interactive course materials: presentations, articles, additional materials, tests and various tasks. When conducting training sessions, current monitoring of progress, as well as intermediate certification of students, the platforms of the electronic information and educational environment of the academy and / or other e-learning systems recommended for use in the academy, such as Moodle, Zoom, Webinar, etc., can be used.

Lectures can be presented in the form of audio, video files, "live lectures", etc.

Conducting seminars and practical classes is possible on-line in both synchronous and asynchronous modes. Seminars can be held in the form of web-conferences.