

**Federal State Budgetary Educational Institution of Higher Education
"North-Ossetian State Medical Academy"
of the Ministry of Healthcare of the Russian Federation**

APPROVE

Rector of FSBEI HE «NOSMA» MOH

Russia, Doctor of Medical Sciences,

Professor



O.V. Remizov

May 24, 2023

The program of the state final certification

Level: Higher education-Specialty program

Enlarged group of specialties: 31.00.00 Clinical medicine

Specialty: 31.05.03 Dentistry

Form of study: full-time

Standard training period: 5 years

Development period: 5 years

Vladikavkaz, 2023

The program of the state final certification (GIA) in the specialty 31.05.03 Dentistry was:

PhD Gurina A.E., Vice-rector for educational Work;
MD Remizova A.A., Head of the Department of Dentistry No. 3;
MD Toboev G.V., Head of the Department of Dentistry No. 2;
MD Dzgoeva M.G., Head of the Department of Dentistry No. 1;
Assoc. Khetagurov S. K., Associate Professor of the Department of Dentistry No. 1;
MD Babaeva L.V., Dean of the Faculty of Dentistry;
Morgoeva F.A., Head of the Practical Training Center;
Khetagurova B.M. – Chief Physician of JSC "Dentistry", Assistant of the Department of Dentistry No. 3 of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation

The GIA program in the specialty of 31.05.03 Dentistry was approved at the meeting of the CCUMS on 05/23/2023 (Protocol No. 5)

The GIA program in the specialty of 31.05.03 Dentistry was approved at the meeting of the Academic Council on 05/24/2023 (Protocol No. 8)

Content:

1. General provisions.
 - 1.1. Goals and objectives of the state final certification.
 - 1.2. The regulatory framework of the GIA.
 - 1.3. Objects of professional activity.
 - 1.4. Types of professional activity.
 - 1.5. Tasks of professional activity of graduates.
2. Competencies formed as a result of mastering the OPOP IN.
 - 2.1. Requirements for the results of mastering the specialty program.
 - 2.2. Universal competencies.
 - 2.3. General professional competencies.
 - 2.4. Professional competencies.
3. The procedure for conducting the state final certification.
4. Educational and methodological equipment.
5. Material and technical equipment.
6. Evaluation materials.
 - 6.1. List of general medical problems.
 - 6.2. List of conditions and diseases.
 - 6.3. List of practical skills. General academic skills.
 - 6.4. Special professional skills.
7. GIA assessment criteria.
8. Recommended literature.
 - 8.1. Basic literature.
 - 8.2. Additional literature.

In accordance with the Federal Law of the Russian Federation dated December 29, 2012 No. 273-FZ "On Education in the Russian Federation", the state final certification of graduates completing higher education programs is mandatory.

The program of the state final certification was developed in accordance with the current curricula within the framework of the curriculum for the specialty 31.05.03 Dentistry.

1. General provisions

1.1. Goals and objectives of the state final certification

The purpose of the certification is to determine the compliance of the graduate's professional training level with the requirements of the federal state educational standard of higher education, followed by the issuance of a state diploma of higher education.

1.2. The regulatory framework of the GIA

The regulatory framework for the development of the State Final Certification Program consists of:

The Constitution of the Russian Federation;

Federal Law of the Russian Federation "On Education in the Russian Federation" dated December 29, 2012 No. 273-FZ;

Federal Law "On Amendments to the Federal Law "On Education in the Russian Federation" on the education of students" dated July 31, 2020 N 304-FZ;

Federal Law "On Amendments to the Federal Law "On Education in the Russian Federation" and Certain Legislative Acts of the Russian Federation" dated December 30, 2020 No. 517-FZ;

Order of the Ministry of Education and Science of the Russian Federation dated June 29, 2015 No. 636 "On approval of the Procedure for conducting state final certification of educational programs of higher education - Bachelor's degree programs, specialty programs and Master's degree programs";

Order of the Ministry of Education and Science of the Russian Federation No. 502 dated April 28, 2016 "On Amendments to the Procedure for Conducting State final certification for educational programs of higher education - Bachelor's degree programs, Specialty programs and Master's degree programs, approved by Order of the Ministry of Education and Science of the Russian Federation dated June 29, 2015 No. 636;

Order No. 96 of the Ministry of Education and Science of the Russian Federation dated February 9, 2016 (ed. Dated 13.07.2017) "On approval of the Federal State educational standard of higher education in the specialty 31.05.03 Dentistry (specialty level)" (Registered with the Ministry of Justice of the Russian Federation on 01.03.2016 No. 41275);

Order of the Ministry of Education and Science of the Russian Federation dated February 27, 2023 No. 208 "On Amendments to Federal State Educational Standards of Higher Education";

Order of the Ministry of Education and Science of the Russian Federation dated August 12, 2020 No. 984 (as amended on 11/26/2020) "On approval of the Federal State educational standard of higher education - specialty in the specialty 05/31/03 Dentistry" (Registered with the Ministry of Justice of the Russian Federation on 08/26/2020 No. 59473);

order of the Ministry of Education and Science of the Russian Federation dated 04/06/2021 No. 245 "On approval of the Procedure for organization and implementation educational activities in higher education educational programs - bachelor's degree programs, specialty programs, master's degree programs";

methodological recommendations for the development of basic professional educational programs and additional professional programs, taking into account relevant professional standards, approved by the Minister of Education and Science of the Russian Federation on January 22, 2015 No. DL-1/05vn;

methodological recommendations on updating the current federal state educational standards of higher education, taking into account accepted professional standards, approved by the Minister of Education and Science of the Russian Federation on 01/22/2015 No. DL-2/05vn;

Letter of the Ministry of Science and Higher Education of the Russian Federation dated July 25, 2019 No. MN-296/DS "On Digitalization of education";

The development program of the Federal State budgetary educational institution of higher education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian

Federation for 2020-2025. (approved by Order No. 366/o of the Federal State Budgetary Educational Institution of the Ministry of Health of the Russian Federation dated December 31, 2019, as amended on 04/15/2022 No. 84/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" On Approval of the Regulations on the External education of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated May 05, 2017 No. 180/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" On approval of the Regulations on accelerated training in educational programs of higher Education-specialty programs at the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated July 10, 2017 No. 268/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" dated November 15, 2018 No. 374/o "On Approval of the Regulations on the Electronic Information and Educational Environment of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy";

the Order of the Federal State Budgetary Educational Institution of Higher Education "On Approval of the Regulations on the Use of e-learning, Distance Learning Technologies for Conducting Training sessions and Ongoing Monitoring of Learning Outcomes in the Implementation of Basic Professional educational programs of Higher Education in the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated February 5, 2020 G. No. 26/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulation on Internal Independent Assessment of the quality of education at the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated May 14, 2020 No. 113/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the Structure, Procedure for the Development and Approval of the Basic Professional Educational Program of Higher Education of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 421/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation dated December 30, 2021 No. 423/o "On approval of the Procedure for Conducting State final Certification for Educational Programs of Higher Education – specialty programs in the Federal State Budget Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the point-rating System for assessing Student Academic Performance of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 427/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the Internal System for assessing the Quality of Education in the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 429/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On approval of the Regulations on independent work of students of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated 12/30/2021 No. 437/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on Elective and Elective Disciplines of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated 12/30/2021 No. 438/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On approval of the Regulations on contact work of students in higher Education programs – specialty programs at the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 441/o";

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the educational and methodological complex of disciplines of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 444/o";

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the work program of the discipline of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated December 30, 2021 No. 445/o;

Order of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation "On Approval of the Regulations on the Procedure for transfer, Expulsion and Rehabilitation of Students of the Federal State Budgetary Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation" dated August 5, 2022 No. 148/o";

Order of the Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of the Russian Federation "On Approval of the Procedure for the Organization and Implementation of educational activities in Higher Education Programs – Specialty Programs of the Federal State Educational Institution of Higher Education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation dated 30.08.2022 No. 163/o;

The charter of the Federal State budgetary educational institution of higher education "North Ossetian State Medical Academy" of the Ministry of Health of the Russian Federation (approved by Order No. 342 of the Ministry of Health of the Russian Federation dated 06.06.2016) with the amendment approved by the Ministry of Health of the Russian Federation dated 07.11.2016 No. 830.

1.3. Objects of professional activity

The objects of professional activity of graduates who have mastered the specialty program in the specialty 31.05.03 Dentistry are:

individuals;

population;

a set of tools and technologies provided for in the provision of dental care and aimed at creating conditions for the protection of the health of citizens.

1.4. Types of professional activity

Types of professional activities for which graduates who have mastered the specialty program in the specialty 31.05.03 Dentistry are preparing:

- medical;

- organizational and managerial;

- scientific research.

1.5. Tasks of professional activity of graduates.

A graduate who has mastered the specialty program in Dentistry on 05/31/03 is ready to solve professional tasks of such types as medical, research, organizational and managerial, managerial:

medical activity:

prevention of diseases among the population through preventive and anti-epidemic measures;

participation in preventive medical examinations, medical examinations, medical supervision;

- collection and medical statistical analysis of information on the indicators of dental morbidity of various age and gender groups and its impact on their health;
- diagnosis of dental diseases and pathological conditions of patients;
- diagnosis of patients' emergency conditions;
- conducting an examination of temporary disability and participating in other types of medical examination;
- provision of dental care in outpatient and day hospital settings;
- participation in the provision of medical assistance in emergency situations, including participation in medical evacuation;
- participation in the medical rehabilitation and sanatorium treatment of patients with dental diseases;
- formation of motivation among the population, patients and their family members aimed at preserving and strengthening their own health and the health of others;
- teaching patients basic hygienic measures of a health-improving nature, contributing to the prevention of dental diseases and health promotion;
- organizational and managerial activity:
- application of the basic principles of the organization of dental care in medical organizations and their structural divisions;
- creation of favorable conditions in dental medical organizations for the stay of patients and the work of medical personnel;
- maintaining medical records in medical organizations;
- organization of medical examination;
- participation in the organization of assessment of the quality of dental care for patients;
- compliance with the basic requirements of information security;
- research activities:
- analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results;
- participation in solving individual research and scientific-applied tasks in the field of healthcare for diagnosis, treatment, medical rehabilitation and prevention.

2. Competencies formed as a result of mastering the OPOP in

2.1. Requirements for the results of mastering the specialty program

Integratively, a graduate of the specialty 31.05.03 "Dentistry" must:

- to diagnose a disease requiring urgent care, to carry out the necessary medical measures;
- to diagnose a dental disease and carry out treatment under the supervision of medical personnel responsible for their professional activities;
- to be able to formulate a preliminary diagnosis of somatic pathology during the examination of patients with dental diseases, to decide on further diagnostic and therapeutic tactics;
- be able to develop optimal tactics for the treatment of dental pathology, taking into account a well-known general somatic disease.

In addition, the graduate should know:

- the basics of organizing outpatient care for the population, inpatient treatment of patients, and assistance to victims in the centers of mass losses in the modern Russian healthcare system;
- fundamentals of the organization of insurance medicine;
- issues of organization of disability expertise and medical and legal assistance to the population;
- the main indicators of medical and diagnostic work of medical institutions;
- fundamentals of the legislation of the Russian Federation on the protection of citizens' health and ensuring sanitary and epidemiological well-being in the country;
- organization of medical control over the health status of the population.

A graduate doctor must comply with the rules of medical ethics, moral and ethical norms of the relationship of medical workers with each other and with patients.

For each condition and disease, the graduate needs to know:

- etiology and pathogenesis;
- modern classification;
- the clinical picture, features of the course and possible complications of diseases in different age groups;
- the syndromology of lesions of various organs and systems using knowledge gained in applied disciplines;
- diagnostic methods that make it possible to make a diagnosis;
- substantiation of patient management tactics, methods of treatment and prevention, to determine the prognosis.

Knowledge of therapeutic measures should include all types of effects: regimen, diet, elimination of causal factors; drug, surgical, physiotherapy, radiation therapy, detoxification methods, transfusion treatment, methods of electropulse therapy, organ transplantation. In relation to all special methods of treatment, including surgical, it is necessary to know the essence of the principles of their implementation and indications for them.

In connection with the implementation of the concept of continuous higher, postgraduate and additional professional education, the final state certification should take into account that the graduate is a specialist with high-quality fundamental training, but at the same time possessing only the initial experience of its application in practice. Therefore, the criterion of the quality of higher medical education is to determine the graduate's ability to apply the basic concepts, provisions, methods of all disciplines of the curriculum as a methodological, theoretical and technological means of substantiating and performing targeted types of cognitive and professional activities at the stages of his further studies and work.

As a result of mastering the specialty program, the graduate should have general cultural, general professional and professional competencies

2.2. Universal competencies

A graduate who has mastered the specialty program must have the following universal, general professional and professional competencies.

Universal competencies and indicators of their achievement.

Category (group) of universal competencies	The code and name of the universal competence	The code and name of the indicator of achievement of universal competence
Systemic and critical thinking	UK-1. He is able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions	-ID-1 CC-1 Identifies problematic situations and searches for the necessary information to solve problems in the professional field. -ID-2 UK-1 Forms value judgments in the professional field - ID-3 UK-1 Conducts a critical analysis of information using the historical method
Development and implementation of projects	UK-2. Able to manage the project at all stages of its life cycle	- ID-1 UK-2 is able to formulate the goal, objectives of the project and draws up a schedule for its implementation. - ID-2 UK-2 is able to organize a professional discussion of the project, substantiates the practical and theoretical significance of the expected results, distributes tasks and encourages others to achieve their goals - ID-3 UK-2

		Checks and analyzes project documentation, calculates qualitative and quantitative indicators of project work.
Teamwork and leadership	UK-3. Able to organize and manage the work of the team, developing a team strategy to achieve the goal	ID-1 UK-3 is able to form a team to perform practical tasks, develops a team strategy and work in a team. ID-2 UK-3 is able to implement the basic management functions.
Communication	UK-4. Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction	ID-1 UK-4 Uses verbal and non-verbal means of communication and selects the most effective of them for academic and professional interaction. ID-2 CC-4 Observes generally accepted norms of communication and expression of opinion (judgment), including in discussion, dialogue, etc. ID-3 UK-4 Communicates in a foreign language in the process of academic and professional interaction, uses medical terminology, including in a foreign language(s) ID-4 UK-4 Uses modern information and communication tools and technologies.
Cross-cultural interaction	UK-5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction	ID-1 UK-5 Complies with ethical standards. ID-2 UK-5 Analyzes the features of social interaction taking into account national, cultural and religious characteristics. ID-3 UK-5 Competently and easily presents professional information in the process of intercultural interaction.
Self-organization and self-development (including health saving)	UK-6. He is able to determine and implement the priorities of his own activity and ways to improve it on the basis of self -assessment and lifelong education UK-7. Able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities	ID-1 of the Criminal Code-6 Determines priorities and plans its own professional activity, monitor and analyze its results. ID-2 UK-6 Selects the most effective ways and means of improving their own professional activities based on self-assessment. ID-2 UK-7 has an algorithm for restoring social and professional activity using methods of physical culture.
Life safety	UK-8. Is able to create	ID-1 UK-8 is able to

	and maintain safe living conditions in everyday life and in professional activity for the preservation of the natural environment, ensuring sustainable development of society, including in the event of a threat of emergencies and military conflicts	identify emergency and dangerous situations. ID-2 UK-8 Uses means of individual and collective protection and first aid. ID-3 UK-8 Provides first aid to victims. ID-4 UK-8 Complies with safety regulations.
Inclusive competence	UK-9. Able to use basic defectological knowledge in social and professional spheres	ID-1 of the Criminal Code-9 Operates with the concepts of inclusive competence, its components and structure; understands the peculiarities of applying basic defectological knowledge in social and professional spheres ID-2 UK-9 Plans professional activities with persons with disabilities disabled ID-3 UK-9 Interacts in social and professional spheres with persons with disabilities and the disabled
Economic culture, including financial literacy	UK-10. Able to make informed economic decisions in various areas of life	ID-1 of the Criminal Code-10 is familiar with the main documents regulating economic activity; sources of financing of professional activity; principles of economic activity planning ID-2 UK-10 Justifies economic decision-making, uses economic planning methods to achieve its goals ID-3 UK-10 Uses economic tools in solving professional tasks
Civic position	UK-11. Able to form an intolerant attitude to corrupt behavior	ID-1 of the Criminal Code-11 is familiar with the current legal norms that ensure the fight against corruption in various areas of life; with ways to prevent corruption and form an intolerant attitude towards it ID-2 of the Criminal Code-11 Prevents corruption risks in professional activity; excludes interference in one's professional activity in cases of inducement to corruption offenses Идентификационный номер-3 Великобритания-11 Взаимодействует в обществе

		на основе нетерпимого отношения к коррупции
--	--	---

2.3. General professional competencies and indicators of their achievement.

Name e categories (groups) of general professional and regional competencies	The code and name of the general professional competence of the graduate	Code and name of the indicator of achievement of general professional competence
Ethical and legal foundations of professional activity	OPK-1. Able to implement moral and legal norms, ethical and deontological principles in professional activity. OPK-2. He is able to analyze the results of his own activities to prevent professional mistakes. OPK-3. Capable of countering the use of doping in sports and combating it	ID-1 OPK-1 Observes moral and legal norms in professional activity. ID-2 OPK-1 presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology. ID-1 OPK-2 Analyzes the results of its own activities to prevent professional mistakes. ID-1 OPK-3 Knows the international standards for countering the use of doping in sports and combating it.
Formation of a healthy lifestyle	OPK-4. Is able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population	ID-1 OPK-4 Analyzes the awareness of the population about a healthy lifestyle and medical literacy. ID-2 OPK-4 is able to develop a plan of organizational and methodological measures aimed at raising awareness of the population about a healthy lifestyle, its literacy in the prevention of dental diseases. ID-3 OPK-4 is able to prepare an oral presentation or a printed text that promotes a healthy lifestyle and increases the literacy of the population in the prevention of diseases.
Diagnosis and treatment of diseases	OPK-5. Is able to conduct a patient examination in order to establish a diagnosis when solving professional tasks OPK-6. Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks. OPK-7. He is able to organize work and make professional decisions in urgent conditions, in emergency situations, epidemics and in centers of mass destruction	ID-1 OPK-5 Owns the algorithm of clinical examination of the patient. ID-2 OPK-5 Makes a plan for laboratory and instrumental diagnostics. ID-3 OPK-5 Has an algorithm of clinical and laboratory functional diagnostics in solving professional tasks ID-4 OPK-5 Evaluates the results of clinical, laboratory and functional diagnostics in solving professional tasks. ID-1 OPK-6 Conducts effective, safe therapy based on the

		clinical recommendations of the Ministry of Healthcare of the Russian Federation ID-1 OPK-7 Has an algorithm for providing primary health care for emergency conditions at the prehospital hospital stage ID-2 OPK-7 Has an algorithm for providing first aid in emergency situations ID-3 OPK-7 Has an algorithm for providing primary health care in epidemics ID-4 OPK-7 Has an algorithm for providing primary health care in the centers of mass destruction
Fundamentals of fundamental and natural science knowledge	OPK-8. Able to use basic physico-chemical, mathematical and natural science concepts and methods in solving professional problems OPK-9. Able to assess morphofunctional, physiological conditions and pathological processes in the human body to solve professional problems	ID-1 OPK-8 Uses basic physico-chemical, mathematical and natural science concepts and methods in solving professional problems. ID-1 OPK-9 Determines morphofunctional, physiological states and pathological processes of the human body.
Organization and management	OPK-10. He is able to organize the work of junior and secondary medical personnel for the care of patients OPK-11. Able to implement the principles of quality management in professional activities	ID-1 OPK-10 Is able to organize patient care ID-1 OPK-11 Knows the principles of quality management in professional activity
Medical rehabilitation	OPK-12. Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient	ID-1 OPK-12 Knows the basics of medical rehabilitation of patients ID-2 OPK-12 Knows the principles development of individual rehabilitation programs for dental patients ID-3 OPK-12 Evaluates the patient's ability to work
Information literacy	OPK-13. Able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies, taking into account the basic requirements of information security.	ID-1 OPK-13 Uses modern information and communication tools and technologies in professional activities. ID-2 OPK-13 Complies with the rules of information security in professional activities.

2.4. Professional competencies and indicators of their achievement

The code and name of the professional Competence of the graduate	Code and name of the indicator of achievement of professional competence
PC-1 Conducting a patient examination in order to establish a diagnosis	<p>ID-1 PC-1 Conducts physical studies and interprets their results ID-2 PC-1 shows general and specific signs of dental diseases ID-3 PC-1 Interprets the results of the initial examination of patients ID-4 PC-1 Interprets the results of repeated examination of patients ID-5 PK-1 justifies the need and scope of laboratory research ID-6 PK-1 Justifies the necessity and scope of instrumental research ID-7 PK-1 Justifies the need and scope of additional examinations of patients (including radiographs, telereöntgenograms, radiovisiograms, orthopantomograms, tomograms (on film and digital media)) ID-8 PC-1 Conducts a general clinical examination of children and adults ID-9 PK-1 Justifies the need to refer patients for consultation with specialist doctors ID-10 PC-1 Analyzes the results of the survey ID-11 PK-1 Justifies and plans the scope of additional research ID-12 PK-1 Interprets the results of collecting information from patients (their relatives/legal representatives) ID-13 PK-1 Identifies clinical signs of acute and chronic craniofacial pain somatic, neurogenic and psychogenic origin ID-14 PK-1 Diagnoses caries, pulp and periodontal diseases, periodontal diseases, oral mucosa ID-15 PK-1 Interprets laboratory data ID-16 PK-1 Diagnoses defects of dentition, periodontal pathology, complete absence of teeth ID-17 PK-1 Be able to interpret instrumental research data ID-18 PC-1 Interprets the data of patient consultations by specialist doctors ID-19 PK-1 Interprets the data of additional examinations of patients (including radiographs, telereöntgenograms, radiovisiograms, orthopantomograms, tomograms (on film and digital media)) ID-20 PC-1 Diagnoses dental deformities and anomalies of teeth and jaws; to identify risk factors of oncopathology (including various background processes, precancerous conditions) ID-21 PK-1 Uses personal protective equipment</p>
PK-2 Appointment, control of the effectiveness and safety of non-drug and drug treatment	<p>ID-1 PC-2 Prescribes drug therapy for diseases in accordance with available medical indications, taking into account the pharmacodynamics and pharmacokinetics of drugs ID-2 PC-2 Prescribes non-drug therapy in accordance with medical indications ID-3 PK-2 Evaluates the effectiveness and safety of medical treatment methods ID-4 PK-2 Evaluates the effectiveness and safety of non-drug methods of treatment ID-5 PK-2</p>

	<p>Analyzes the effect of drugs on the totality of their pharmacological effects ID-6 PC-2 Analyzes the action non-drug methods of treatment according to the totality of their properties ID-7 PC-2 Compiles prescription prescriptions of medicines, prescribing prescriptions for diseases, pathological processes and conditions ID-8 PK-2 Uses medicines, medical devices (including dental materials, instruments) ID-9 PK-2 Develops optimal tactics for the treatment of dental pathology in children and adults, taking into account the general somatic disease and further rehabilitation of the patient ID-10 PK-2 Determines the methods of administration, regimen and dose of medications ID-11 PK-2 Develops a treatment plan taking into account the course of the disease, selects, prescribes drug therapy, uses non-drug treatment methods ID-12 PK-2 Prescribes medications for the treatment of dental diseases ID-13 PK-2 Formulates medical indications for the chosen method of treatment, taking into account the etiology and pathogenesis of the disease ID-14 PK-2 Substantiates the scheme, plan and tactics of patient management, medical indications and contraindications to surgery ID-15 PK-2 Uses physiotherapy procedures for treatment and recovery damaged tissues after treatment ID-16 PK-2 Treats diseases of hard tissues of teeth, pulp and periapical tissues, periodontal, oral mucosa ID-17 PK-2 Determines the need to refer the patient to the appropriate specialist doctors ID-18 PK-2 Justifies the pharmacotherapy of the patient in the main pathological syndromes and emergency conditions ID-19 PK-2 Uses methods of treatment of dentition defects with orthopedic structures within the limits of temporary prosthetics, prosthetics of single dentition defects, prostheses up to three units (excluding prosthetics on dental implants) ID-20 PK-2 Applies various methods of local anesthesia of the maxillofacial region, blockades with the use of drugs for local anesthesia, determines medical indications for general anesthesia ID-21 PK-2 Determines the methods of administration, regimen and dose of medications ID-22 PK-2 Uses methods of treatment of dentition defects with orthopedic structures within partial and complete removable plate prostheses ID-23 PK-2 Substantiates, plan and apply the main methods of treatment of dental diseases in children and adults ID-24 PK-2 Uses methods of complex treatment of patients with dental diseases,</p>
--	--

	taking into account the general condition of the body and the presence of concomitant pathology ID-25 PK-2 Determines the scope and sequence of proposed treatment measures ID-26 PK-2 Applies personal protective equipment
PC-3 Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	ID-1 PC-3 To develop a rehabilitation plan for patients with diseases of the maxillofacial region ID-2 PC-3 Performs rehabilitation measures for diseases of the maxillofacial region ID-3 PK-3 Uses methods of complex rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology ID-4 PC-3 Applies personal protective equipment
PC-4 Conducting and monitoring the effectiveness of sanitary anti-epidemic and other preventive measures to protect public health	ID-1 PC-4 To carry out preventive examinations of various categories of citizens ID-2 PC-4 Carries out the prevention of diseases of the teeth, periodontal, oral mucosa, lips, bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint, salivary glands 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 monitoring of contact persons) ID-4 PC-4 Uses methods of primary and secondary prevention ID-5 PK-4 Applies methods of organizing primary prevention of dental diseases in any age group ID-6 PC-4 Applies personal protective equipment
PC-5 Conducting sanitary and hygienic education among the population and medical workers in order to form a healthy lifestyle	ID-1 PC-5 Conducts sanitary and hygienic education among patients (their relatives/legal representatives) and medical workers in order to form a healthy lifestyle ID-2 PC-5 Evaluates the physical development and functional state of the patient's body ID-3 PC-5 Forms in patients (their relatives /legal representatives) behavior aimed at maintaining and improving the level of health
PC-6 Organizational and managerial activities	ID-1 PC-6 Analyzes the quality of medical care ID-2 PC-6 Analyzes the indicators of morbidity, disability and mortality of the population of the serviced area ID-3 PC-6 Fills out medical documentation and monitors the quality of medical documentation ID-4 PC-6 Draws up the documentation necessary for medical and social expertise ID-5 PC-6 Works in information and analytical systems (Unified State Health Information System) ID-6 PC-6 Draws up a work plan and a report on its work ID-7 PC-6 Analyzes the quality and efficiency

	of medical records management ID-8 PK-6 Organizes hospitalization for inpatient treatment
--	---

3. The procedure for conducting the state final certification

A student who has no academic debt and has fully completed the curriculum or an individual curriculum according to the corresponding basic professional educational program of higher education is allowed to the state final certification.

Students and persons involved in the state final certification are prohibited from carrying and using means of communication during its conduct.

It is not allowed to charge students for passing the state final certification.

The state final certification of students is conducted in the form of a state exam.

The state exam is conducted in one or more disciplines and (or) modules of the educational program, the results of which are of decisive importance for the professional activities of graduates. The State exam is conducted orally or in writing.

The scope of the state final certification, its structure and content are established by the Academy in accordance with the standard.

The state final certification is carried out within the time limits determined by the order (local regulatory act) Academies.

The results of the state exam are determined by the grades "excellent", "good", "satisfactory", "unsatisfactory". Grades "excellent", "good", "satisfactory" mean successful completion of the state exam.

Successful completion of the state final certification is the basis for issuing a student with a document on higher education and qualification of a sample established by the Ministry of Education and Science of the Russian Federation.

To conduct the state final attestation and conduct appeals based on the results of the state final attestation, state examination commissions and appeal commissions (hereinafter collectively referred to as commissions) are established at the Academy. The commissions are valid for a calendar year.

Commissions are created at the Academy for each specialty and field of study.

The Chairman of the state examination commission is approved no later than December 31, preceding the year of the state final certification, by the founder - the Ministry of Health of the Russian Federation on the recommendation of the Academy.

The Academy approves the composition of the commissions no later than 1 month before the start date of the state final certification.

The chairman of the state examination commission is approved from among persons who do not work at the Academy, have a doctorate degree and (or) the academic title of professor, or are leading specialists - representatives of employers or their associations in the relevant field of professional activity.

The Chairman of the appeal commission is approved by the Rector of the Academy or a person authorized by the Rector of the Academy - on the basis of an order of the Academy.

The chairmen of the commissions organize and control the activities of the commissions, ensure the unity of the requirements for students during the state final certification.

The State examination commission consists of the chairman of the said commission and at least 4 members of the said commission. Members of the state examination commission are leading specialists - representatives and employers or their associations in the relevant field of professional activity (hereinafter referred to as specialists) and (or) persons who belong to the teaching staff of the Academy (other organizations) and (or) to researchers of the Academy (other organizations) and have an academic title and (or) academic degree, the proportion of persons who are leading specialists - representatives of employers or their associations in the relevant field of professional activity (including the chairman) of the state examination commission must be at least 50 percent.

The appeals commission consists of the chairman of the said commission and at least 3 members of the said commission. The composition of the appeal commission is formed from among the persons belonging to the teaching staff of the Academy and who are not members of the state examination commissions.

For the period of the state final attestation, in order to ensure the work of the state examination commission, the Rector of the Academy appoints the secretary of the said commission from among

persons belonging to the teaching staff of the Academy, researchers or administrative staff of the Academy. The Secretary of the State Examination Commission is not a member of it. The Secretary of the State Examination Commission keeps minutes of its meetings and submits the necessary materials to the appeals commission.

The main form of activity of the commissions are meetings. The meetings of the commissions are valid if they are attended by at least two thirds of the number of persons who are members of the commissions. The meetings of the commissions are held by the chairmen of the commissions. The decisions of the commissions are made by a simple majority of votes from the number of persons who are members of the commissions and participate in the meeting. With an equal number of votes, the chairman of the commission has the right to cast a decisive vote.

The decisions taken by the commissions are formalized in protocols. The minutes of the meeting of the state examination commission for the admission of the state exam reflect the list of questions asked to the student and the characteristics of the answers to them. The opinions of the chairman and members of the state examination commission on the level of readiness of the student for solving professional tasks revealed during the state examination, as well as on the identified shortcomings in the theoretical and practical training of the student. The minutes of the meetings of the commissions are signed by the Chairman. The minutes of the meeting of the State Examination Commission are also signed by the Secretary of the State Examination Commission. The minutes of the meetings of the commissions are sewn into books and stored in the archive of the Academy.

The program of the state final attestation, including the program of the state exam, the criteria for evaluating the results of the state exam approved by the Academy, as well as the procedure for filing and considering appeals, are brought to the attention of students no later than six months before the start of the state final attestation.

The state exam is conducted according to the program approved by the Academy, which contains a list of questions submitted for the state exam and recommendations to students on preparing for the state exam, including a list of recommended literature for preparing for the state exam.

Before the state exam, students are consulted on issues included in the program of the state exam (hereinafter referred to as pre-examination consultation).

No later than 30 calendar days before the day of the state exam. The Academy approves by order the schedule of the state exam (hereinafter referred to as the schedule), which specifies the dates, time and place of the state exam and pre-examination consultations, and brings the schedule to the attention of the student, the chairman and members of the state examination commissions and appeal commissions, secretaries of the state examination commissions.

The results of the state examination conducted orally are announced on the day of its holding, the results of the state examination conducted in writing - on the next business day after the day of its holding.

Students who have not passed the state final certification due to failure to attend the state exam for a valid reason (temporary disability, performance of public or state duties, summons to court, transport problems (flight cancellation, lack of tickets), weather conditions or in other cases) have the right to pass it within months after completion of the state final certification. The student must submit to the organization a document confirming the reason for his absence.

Students who have not passed the state exam due to non-attendance at the state exam for a disrespectful reason or in connection with receiving an assessment are expelled from the Academy with the issuance of a certificate of study as having failed to fulfill their duties for the conscientious development of the educational program and the implementation of the curriculum.

A person who has not passed the state final attestation may re-pass the state final attestation no earlier than months and no later than five years after the deadline for the state final attestation, which was not passed by the student. The specified person may re-pass the state final certification no more than twice. In order to re-pass the state final attestation, the specified person, upon his application, is reinstated in the organization for a period of time established by the Academy, but not less than the period of time provided for in the calendar training schedule for the state final attestation according to the relevant educational program.

For students with disabilities, the state final certification is conducted by the Academy, taking into account the peculiarities of their psychophysical development, their individual capabilities and health status (hereinafter - individual characteristics).

When conducting the state final certification, the following general requirements are met: conducting the state final certification for the disabled in the same classroom together with students who are not disabled, if this does not create difficulties for the disabled and other students during the passage of the state final certification; the presence in the audience of an assistant (assistants) who provides students with disabilities with the necessary technical assistance, taking into account individual characteristics (to take a workplace, move around, read and complete an assignment, communicate with the chairman and members of the state examination commission); the use of technical means necessary for students with disabilities when passing the state final certification, taking into account their individual characteristics; ensuring the possibility of unhindered access of students with disabilities to classrooms, restrooms and other rooms, as well as their stay in these rooms (the presence of ramps, handrails, expanded doorways, elevators, in the absence of elevators, the auditorium should be located on the ground floor, the presence of special chairs and other devices).

All local regulations of the Academy on the issues of state final certification are brought to the attention of students with disabilities in a form accessible to them.

At the written request of a student with a disability, the duration of the state exam by a student with a disability may be increased in relation to the established duration of its delivery: the duration of the state exam conducted in writing - no more than 90 minutes; the duration of the student's preparation for the answer to the state exam conducted orally - no more than 20 minutes.

Depending on the individual characteristics of students with disabilities, the organization ensures that the following requirements are met during the state exam:

a) for the blind: assignments and other materials for passing the state exam are drawn up in relief-dot Braille or in the form of an electronic document accessible using a computer with specialized software for the blind, or read out by an assistant; written assignments are performed by students on paper in relief-dot Braille or on a computer with specialized software for the blind, or they are dictated to the assistant; if necessary, students are provided with a set of writing materials and paper for writing in relief-dotted Braille, a computer with specialized software for the blind;

b) for the visually impaired: assignments and other materials for passing the state exam are drawn up in enlarged font; individual uniform lighting of at least 300 lux is provided; if necessary, students are provided with a magnifying device, it is allowed to use magnifying devices available to students;

c) for the deaf and hard of hearing, with severe speech disorders: the availability of sound-amplifying equipment for collective use is ensured, if necessary, students are provided with sound-amplifying equipment for individual use; at their request, the state exam is conducted in writing;

d) for persons with disorders of the musculoskeletal system (severe disorders of the motor functions of the upper extremities or the absence of upper limbs): written tasks are performed by students on a computer with specialized software or dictated to an assistant; at their request, the state exam is conducted orally.

A student with a disability, no later than 3 months before the start of the state final certification, submits a written application on the need to create special conditions for him during the state exam, indicating his individual characteristics. The application is accompanied by documents confirming the presence of individual characteristics of the student (in the absence of these documents in the organization). In the application, the student indicates the need (lack of need) for the presence of an assistant at the state exam, the need (lack of need) to increase the duration of the state exam in relation to the established duration.

According to the results of the state exam, the student has the right to appeal.

The student has the right to file a written appeal to the appeal commission on violation, in his opinion, of the established procedure for conducting the state exam and (or) disagreement with the results of the state exam.

The appeal is submitted personally by the student to the appeal commission no later than the next working day after the announcement of the results of the state exam.

For consideration of the appeal, the secretary of the state examination commission sends to the appeal commission the minutes of the meeting of the state examination commission, the conclusion of the chairman of the state examination commission on compliance with procedural issues during the state exam, as well as written answers of the student (if any) (for consideration of the appeal on the state exam).

The appeal is considered at a meeting of the appeal commission no later than 2 working days from the date of its submission, to which the chairman of the state examination commission and the student who filed the appeal are invited. The meeting of the appeal commission may be held in the absence of the student who filed the appeal, in case of his absence from the meeting of the appeal commission.

The decision of the appeal commission is brought to the attention of the student who filed the appeal within 3 working days from the date of the meeting of the appeal commission. The fact of familiarization of the student who filed the appeal with the decision of the appeal commission is certified by the signature of the student.

When considering an appeal about a violation of the procedure for conducting a state exam, the appeals commission makes one of the following decisions: to reject the appeal if the information contained in it about violations of the procedure for conducting the state final certification of a student was not confirmed and (or) did not affect the result of the state exam; to satisfy the appeal if the information contained in it about violations of the procedure the state final certification of the student was confirmed and influenced the result of the state exam. In case of satisfaction of the appeal, the result of the state examination is subject to cancellation, in connection with which the protocol on consideration of the appeal is transmitted to the state examination commission no later than the next working day for the implementation of the decision of the appeal commission. The student is given the opportunity to take the state exam within the time limits set by the Academy.

When considering an appeal of disagreement with the results of the state exam, the appeals commission makes one of the following decisions: on rejecting the appeal and preserving the result of the state exam; on satisfying the appeal and presenting a different result of the state exam. The decision of the appeal commission is transmitted to the State examination commission no later than the next working day. The decision of the appeals commission is the basis for the cancellation of the previously issued result of the state exam and the issuance of a new one.

The decision of the appeals commission is final and cannot be reviewed.

The re-examination of the student who filed the appeal is carried out in the presence of the chairman or one of the members of the appeal commission no later than the date of completion of studies at the Academy in accordance with the standard.

An appeal against the re-holding of the state exam is not accepted.

4. Educational and methodological equipment

All departments of the Faculty of Dentistry are provided with educational and methodological materials for teachers and students, methodological developments on paper and electronic media, tables, slides, albums, dummies, macro- and micro-preparations, tool kits, multimedia equipment, etc. The academy has an anatomical museum with unique preparations.

The academy has its own library.

The library of the Academy provides educational, methodological, library and information support for the educational program being implemented in accordance with the requirements of the federal state educational standard of higher education in the specialty 31.05.03 Dentistry.

The library's collection is 413,126 copies. documents, of which:

the fund of educational and methodical literature - 102,123 copies;

the fund of scientific publications - 267494 copies.

The fund contains educational publications on the subjects studied in English, purchased for international students.

Along with literature on traditional paper media, the library's collection is completed with electronic documents of both its own generation and third-party electronic library systems.

In accordance with the requirements of the Ministry of Education and Science of the Russian Federation to the conditions for the implementation of the specialty program, each student is provided with individual unlimited access to the electronic library system (EBS) "Student Consultant" (license agreement No. 769KS/09-2022 dated 09/20/2022), EBS "Student Consultant" set "Books in English" (license agreement No. 787KS/10-2022 dated 10/14/2022).

There are accesses to the Garant information and legal system (agreement No. 1673 dated January 09, 2023), electronic periodicals on the East View platform (license agreement No.255-P dated October 13, 2022), documents of the Cochrane Library, Scientific Electronic Library

eLIBRARY.ru (SCIENCE INDEX License Agreement no. SIO-7385/2022 from October 06, 2022). Access to the EBSCO research databases was provided.

The library has resources that meet the modern needs of the university: own electronic library, electronic catalog (over 187,000 records), other databases of its own generation (7 databases include over 34,000 records). Access is provided from any computer connected to the Internet.

The combination of traditional and electronic information resources in library services makes it possible to meet the needs of users as much as possible.

For independent work of students, the library has reading rooms: a student reading room with 120 seats and a computer reading room with 13 workstations with Internet access.

The provision of basic educational and methodological literature recommended in the work programs at all departments is sufficient and meets the requirements of the Federal State Educational Standard of Higher Education. All work programs have a list of basic and additional literature recommended for students to study while working independently. Each student is provided with individual unlimited access to electronic library systems throughout the entire period of study.

The electronic information and educational environment of the Federal State Budgetary Educational Institution of Higher Education provides access to curricula, work programs of disciplines (modules), practice programs, electronic educational publications and electronic educational resources specified in the work programs of disciplines (modules), practice programs. An electronic portfolio of the student is being formed, including the preservation of his works and grades for these works.

The electronic information and educational environment of the Academy also provides fixation of the course of the educational process, the results of intermediate certification and the results of mastering the specialty program; conducting training sessions, procedures for evaluating learning outcomes, the implementation of which is provided with the use of e-learning, distance learning technologies.

The scientific and pedagogical staff of the Academy actively participate in replenishing the fund of educational and methodical literature of the library.

The staff of the Academy have ample opportunities to publish the necessary editions of educational and methodological literature through the information technology department. Thanks to this opportunity, many disciplines of the specialty Dentistry are provided with teaching aids written by teachers. Therefore, when conducting training sessions and organizing independent work of students, along with recommended literature, centrally purchased to provide disciplines, textbooks and manuals developed and published at the academy, laboratory workshops, methodological developments, etc. are used.

5. Material and technical equipment

The material and technical base of the Academy corresponds to the list necessary for the implementation of the OPOP IN. It includes, in particular, dental offices equipped with dental equipment for working with patients of therapeutic, surgical, orthodontic and orthopedic profile.

The Academy has a significant amount of modern equipment (computers, office equipment, technical training tools, medical imitation simulators and phantoms, medical instruments and consumables, medical, physical and chemical devices, reagents and chemical utensils, anatomical and biological collections, microscopes and micropreparations, etc.).

The Academy has a modern Multi-profile accreditation and simulation center the center, the House of inclusive education.

SOGMA has its own dental clinic and Clinical Hospital.

6. Evaluation materials

A graduate doctor who has mastered the basic professional educational program in the specialty 31.05.03 "Dentistry" should be able to:

- to conduct an examination of the patient;
- to make a preliminary diagnosis of a common somatic disease;
- make a decision on sending him to the appropriate specialists;
- perform basic medical diagnostic and therapeutic measures in the provision of first aid for urgent and life-threatening conditions.

The evaluation materials of the GIA in the specialty 31.05.03 Dentistry include:

- List of general medical problems;
- list of conditions and diseases;
- a list of practical skills on the basis of which certification test tasks and situational clinical tasks are formed.

The list of conditions and diseases is presented in accordance with the curricula based on the international Statistical classification of Diseases and health-related problems (ICD-10). The sections of the list of conditions and diseases are based on a systematic principle and combine all pathology related to this organ system in various clinical disciplines.

6.1. List of general medical problems

1. Public health and healthcare.

Methods of analyzing the activities of medical and preventive institutions according to the main indicators. Principles of insurance medicine. Dispensary supervision and treatment. Examination of temporary and permanent disability.

Medical statistics: determination of the reliability of differences, errors, confidence intervals, randomization, standardization, degree of risk, sensitivity and specificity, diagnostic and therapeutic value of research and treatment methods.

2. Medical Ethics

Moral and ethical standards of doctor-patient, doctor-doctor, doctor - middle and junior medical staff, doctor - patient's relatives. Medical secrecy. The doctor's responsibility for professional violations.

3. Normal growth and development of the body, age and physiological characteristics of the state of health.

Infancy and childhood, adolescence (physical and mental development, nutrition, sexual development, main health risks). Medical control. Adult age: follow-up, stress, menopause, male and female menopause. Old age: physiological, physical and mental changes, nutritional characteristics, water-electrolyte balance.

4. Epidemiology of health and diseases

Features of the occurrence and manifestation of diseases (age, race, gender, socio-economic and professional status; geographical, climatic and seasonal factors, environmental influences). Endemias, epidemics, pandemics, sporadic cases of diseases. The main causes of mortality and disability. The natural course and prognosis of diseases: methods of disease transmission, incubation period, early detection, evaluation of the effectiveness of treatment, factors of disease progression. Risk factors for the manifestation of diseases: heredity, age, gender, socio-economic status, lifestyle (nutrition, physical activity, bad habits), profession, environment, iatrogenic influences.

5. General aspects of oncology

Biological bases of the origin and development of tumors; manifestations of tumor growth (mechanical, paraneoplastic, hormonal). The basics of early diagnosis and treatment depending on the type of tumors.

6. Immunological disorders

The role of immune disorders in the pathogenesis of various diseases, humoral and cellular immunity. Hypersensitivity and immune deficiency. HIV. Principles of immunomodulatory therapy.

6.2. List of conditions and diseases

A. Somatic diseases

1.	<i>I. Infectious and parasitic diseases</i>	<p>Intestinal infections and infestations: typhoid fever, paratyphs, dysentery, salmonellosis, food poisoning, cholera, botulism, viral hepatitis, yersiniosis, amoebiasis, giardiasis, helminthiasis.</p> <p>Airborne infections: SARS, influenza, rubella, measles, chickenpox, infectious mononucleosis, polio, tuberculosis, whooping cough, diphtheria, scarlet fever, mumps, meningococcal and herpes infection. Vector-borne infections: typhus, malaria.</p> <p>Anthropozoonous infections: brucellosis, plague, tularemia, anthrax, hemorrhagic fever with renal syndrome,</p>
-----------	---	---

		rabies. Infections of the external integuments: erysipelas, tetanus. Sexually transmitted infections: gonorrhea, syphilis, AIDS (HIV infection), chlamydia, trichomoniasis. Features of dental care for infectious and parasitic diseases
2.	<i>II. Neoplasms (malignant and benign in all organ systems)</i>	
3.	<i>III. Diseases of the blood and hematopoietic organs</i>	Anemia (posthemorrhagic, iron deficiency). Agranulocytosis. Hemorrhagic syndromes: thrombocytopenia, coagulopathy (hemophilia). Radiation sickness. Acute and chronic leukemia in children and adults, true polycythemia (erythremia), lymphomas (lymphogranulomatosis). Features of dental care for diseases of the blood and hematopoietic organs
4.	<i>IV. Diseases of the endocrine system and metabolic disorders</i>	Diseases of the thyroid gland (thyroiditis, myxedema). Hyper- and hypoparathyroidism. Pituitary-hypothalamic disorders (acromegaly, Itsenko-Cushing's disease, diabetes insipidus). Type 1 and type 2 diabetes mellitus (insulin- and non-insulin-dependent). Features of dental care for diseases of the endocrine system and metabolic disorders
5.	<i>V. Mental illness</i>	Neuroses (neurasthenia, hysteria), phobias, anxiety, mood disorders. Disorders related to alcoholism and drug addiction, alcoholic psychoses, acute alcohol intoxication. Schizophrenia, manic-depressive psychosis, involutional psychosis. Features of dental care for mental illnesses
6.	<i>VI. Diseases of the nervous system process</i>	Diseases of the nervous system: diseases of the peripheral nerves (neuritis and neuralgia), polyneuropathy, discogenic radiculopathy in diseases of the spine. Vascular diseases of the brain: acute disorders of cerebral circulation (stroke, thrombosis), dyscirculatory encephalopathy. Infectious diseases: meningitis, neurosyphilis. Different: myasthenia gravis, cerebral palsy, migraine, epilepsy. Tumors of the brain and spinal cord. Features of dental care for diseases of the nervous system
7.	<i>VII. Eye diseases</i>	Acute conjunctivitis, blepharitis, barley; retinopathy in diseases of internal organs
8.	<i>VIII. Diseases of the ear and mastoid</i>	
9.	<i>IX. Diseases of the circulatory system</i>	Arterial hypertension: essential (hypertension), symptomatic. Atherosclerosis. Coronary heart disease: angina pectoris, myocardial infarction. Circulatory insufficiency is acute (cardiac asthma, pulmonary edema, shock). Violation of the rhythm and conduction of the heart. Diseases of the peripheral arteries: atherosclerosis, thrombosis, embolism. Venous diseases: varicose veins, thrombosis, thrombophlebitis, chronic venous insufficiency, pulmonary embolism. Features of dental care for diseases of the circulatory system
10.	<i>X. Diseases of the respiratory system</i>	Diseases of the nose, paranasal sinuses, pharynx, larynx, trachea. Lung infections: bronchitis, pneumonia, tuberculosis. Bronchial asthma. Features of dental care for respiratory diseases
11.	<i>XI. Diseases of the digestive system</i>	Diseases of the esophagus (esophagitis), stomach and duodenum (gastritis, duodenitis, peptic ulcer, cancer, polyposis), intestines (enterocolitis, ulcerative colitis, appendicitis, intestinal obstruction). Gastrointestinal bleeding. Peritonitis. Diseases of the pancreas (pancreatitis). Diseases of the liver and biliary tract (hepatitis, jaundice). Cholelithiasis, cholecystitis. Features of dental care for diseases of the

		digestive system
12.	<i>XII. Diseases of the skin and subcutaneous tissue</i>	<p>Infections of the skin and subcutaneous tissue (furuncle, carbuncle, panaritium, hydradenitis, herpes simplex, shingles; pyoderma).</p> <p>Other inflammatory diseases of the skin and subcutaneous tissue: exogenous dermatitis, eczema, psoriasis, lichen, erythema, urticaria, pemphigus.</p> <p>Tumor diseases (hemangiomas, skin cancer, melanoma).</p> <p>Lesions of the skin and mucous membrane of the oral cavity in diseases of internal organs. Features of dental care for diseases of the skin, subcutaneous tissue and mucous membranes</p>
13.	<i>XIII. Diseases of the musculoskeletal system and connective tissue</i>	<p>Inflammatory or immune diseases (rheumatism, rheumatoid arthritis, ankylosing spondylitis, systemic lupus erythematosus, scleroderma, dermatomyositis, rheumatic polymyalgia, nodular periarteritis). Infectious diseases (osteomyelitis, septic arthritis, tuberculosis of joints, bones). Degenerative diseases (deforming osteoarthritis, osteochondrosis of the spine). Metabolic diseases (osteoporosis, chondrocalcinosis, gout, rickets). Features of dental care for diseases of the musculoskeletal system and connective tissue</p>
14.	<i>XIV. Diseases of the genitourinary system</i>	<p>Kidney diseases (glomerulonephritis acute and chronic, acute and chronic renal failure, acute and chronic pyelonephritis, urolithiasis). Diseases of the urinary tract (pyelitis, cystitis, urethritis). Features of dental care for kidney diseases. Gynecological endocrinology: amenorrhea, premenopausal syndrome, menopause, menopause.</p> <p>Features of dental care for diseases of the female reproductive system</p>
15.	<i>XV. Pregnancy, childbirth, postpartum and neonatal periods</i>	<p>The physiology of pregnancy and childbirth. Fetus, placenta, physiology, endocrinology of fetus and placenta, perinatal adaptation, postpartum period.</p> <p>Features of dental care in pregnant women</p>
16.	<i>XVII. Congenital anomalies (malformations), deformities and chromosomal abnormalities (across all organ systems)</i>	
17.	<i>XVIII. Symptoms, signs and abnormalities not classified elsewhere (extreme and terminal conditions)</i>	<p>Delirium, fainting, ataxia, coma, sleep disorders, impaired sense of smell and taste</p>
18.	<i>XIX. Injuries</i>	<p>Injury (household, sports, industrial, military, in case of disasters).</p> <p>Bone fractures, sprains, dislocated joints. Wounds: gunshot and non-gunshot wounds, lacerations, stab wounds. Burns, electric shock. Injuries to the head, eyes, ears, nose, chest, abdomen, pelvis (blunt, stabbed, gunshot and non-gunshot). Combined injury.</p> <p>Drowning, hanging; aspiration, compression and other types of asphyxia. Bites and stings. Anaphylactic shock. Poisoning with medicines, alcohol, drugs, household chemicals, industrial poisons. Frostbite. Acute radiation sickness.</p> <p>Trauma to the soft and bone tissues of the face that occur during dental care</p>
<u>B. Dental diseases</u>		
	<i>1. Epidemiology of</i>	The prevalence and intensity of dental diseases. Indexes

	<i>dental diseases</i>	<p>for recording the condition of hard dental tissues, periodontal tissues, oral hygiene, and dental anomalies.</p> <p>Epidemiological dental examination of the population (purpose, objectives, methods, registration and analysis of results). The concept of situational analysis of dental morbidity</p>
	<i>2. Prevention of dental diseases</i>	<p>The role of the health of a pregnant woman and the course of the antenatal period in the occurrence of caries in a child. The concept of the cariesogenic situation, the role of general and local cariesogenic factors, the mechanism of their action. Predicting the possible appearance of caries in children. The role of the nature of nutrition and errors in feeding a child for the prevention of dental caries in children. The role of oral hygiene in the prevention of dental caries and inflammatory periodontal diseases. Features of dental education for various groups of the population. Prevention of dental caries, non-carious lesions of the hard tissues of teeth, inflammatory periodontal diseases, dental anomalies and deformities. Systemic and local methods of application of fluoride-containing and remineralizing agents, sealing of dental fissures. Means for the prevention of dental diseases (toothpastes, brushes, rinsing solutions, gels, varnishes, filaments)</p>
	<i>3. Organization of dental care</i>	<p>Principles of development, implementation and evaluation of the effectiveness of dental disease prevention programs.</p> <p>Features of preventive measures among various population groups (pregnant women, children, adolescents, adults). Organization of the dental office and hospital, sanitary and hygienic requirements. Types and types of dental instruments, materials, equipment and equipment used in therapeutic, surgical, orthopedic dentistry and orthodontics in the treatment of adults and children</p>
	<i>4. Non-carious lesions of the hard tissues of the tooth</i>	<p>Congenital defects (enamel hypoplasia, enamel fluorosis, hereditary lesions of hard tooth tissues); acquired defects (acid necrosis, enamel erosion, wedge-shaped defect, pathological tooth abrasion)</p>
	<i>5. Dental caries and its complications</i>	<p>Dental caries (blemish stage, superficial, medium, deep, hereditary lesions of the hard tissues of the tooth). Features of the clinical course and treatment in childhood. Features of the flow in different geographical areas. Pulpitis (acute focal, acute diffuse, chronic fibrous, chronic hypertrophic, chronic gangrenous, exacerbation of chronic pulpitis). Features of the clinical course and treatment in childhood. Methods of anesthesia in the treatment of pulpitis. Apical periodontitis (acute and exacerbation of chronic, chronic forms: granulating, granulomatous, fibrous). Features of the clinical course and treatment in childhood. Methods of anesthesia in the treatment of periodontitis. Indications for tooth extraction. The technique of removing teeth of the upper and lower jaws. Acute periostitis of the jaws (serous, purulent, palatine abscess). Features of the clinical course in different age groups. Methods of anesthesia in the treatment of periostitis. Odontogenic osteomyelitis of the jaws (acute, subacute, chronic; destructive-productive, productive, cortical). Hematogenous osteomyelitis. Views on the etiology of the disease. Methods of anesthesia in the treatment of osteomyelitis. Abscesses of the maxillofacial region (maxillofacial groove, canine fossa, submandibular,</p>

		<p>zygomatic, buccal regions, lower part of the masticatory muscle, suborbital, submandibular regions, pterygoid-mandibular and near-pharyngeal spaces, temporal region, abscess of the tongue, sublingual region, abscess at the tubercle of the upper jaw). Features of the clinical course in patients with various somatic diseases and in different age groups. Phlegmons: eye sockets, suborbital, buccal, temporal, parotid-masticatory, submandibular, submandibular, sublingual, sublingual areas, submandibular and pterygoid pits, pterygoid-mandibular and pericaryngeal spaces, tongue, bottom of the oral cavity. Ludwig's angina (putrefactive necrotic phlegmon of the bottom of the oral cavity). Features of the clinical course in patients with various somatic diseases and in different age groups. Methods of anesthesia in the treatment of abscesses and phlegmon.</p> <p>Maxillofacial lymphadenitis (acute, chronic, abscessed, specific). Adenophlegmon. Inflammation of the maxillary sinus: acute, chronic. Perforation of the bottom of the maxillary sinus after or during tooth extraction. Methods of anesthesia</p>
	<i>6. Periodontal diseases</i>	<p>Gingivitis (catarrhal, necrotic, hypertrophic). Periodontitis (mild, moderate and severe, localized, generalized), features of the course of inflammatory periodontal diseases in adolescents. Periodontal disease in children, doctor's tactics. Periodontal disease (mild, moderate, severe). Features of the course in children. Periodontal diseases in general somatic pathology. Traumatic occlusion</p>
	<i>7. Diseases of the oral mucosa</i>	<p>Infectious diseases of the oral mucosa: viral, shingles, ringworm, foot-and-mouth disease, influenza, candidiasis (thrush), ulcerative necrotic gingivostomatitis of Vincent. Cheilitis: exfoliative, glandular, meteorological, eczematous, chronic cracks. Manifestations of allergic conditions on the oral mucosa in children, medical tactics. Diseases of the mucous membrane in dermatoses; pemphigus, lichen planus, lupus erythematosus. Manifestations of acute leukemia and diseases of the blood coagulation system in children on the oral mucosa. Glossitis: desquamative, diamond-shaped; black hairy tongue. Glossalgia, stomalgia</p>
	<i>8. Non-ontogenic inflammatory diseases of the maxillofacial region</i>	<p>Inflammation of the salivary glands: -acute viral, bacterial, postoperative, postinfectious, lymphogenic sialadenitis; -chronic sialadenitis (interstitial, parenchymal, ductal); -sialadenosis, Mikulich's disease, Sjogren's syndrome, - salivary stone disease (calculous sialadenitis)</p>
	<i>9. Specific infectious diseases of the maxillofacial region (syphilis, tuberculosis, actinomycosis)</i>	<p>Anthrax, erysipelas, noma, or water cancer. Furuncle and carbuncle of the face. Complications</p>
	<i>10. Difficult teething</i>	<p>Dystopia and retention of the tooth, pericoronitis</p>
	<i>11. Diseases of the temporomandibular joint</i>	<p>Arthritis (rheumatoid, polyarthritis), arthrosis, contracture, ankylosis. Features of diseases of the temporomandibular joint in children and adolescents</p>
	<i>11. Trauma to the maxillofacial region</i>	<p>Dislocation of the tooth (complete, incomplete, embedded). Fracture of the tooth (crowns: with opening of the tooth cavity and without opening, in the neck area, in the root area - upper, middle and lower thirds). Bleeding after tooth extraction (from bone, from soft tissues), methods of stopping</p>

		<p>bleeding after tooth extraction. Dislocation of the temporomandibular joint (acute, chronic, habitual), unilateral, bilateral, anterior, posterior. Fracture of the alveolar process of the upper jaw and the alveolar part of the lower jaw.</p> <p>Fractures of the jaws:</p> <ul style="list-style-type: none"> -neognestrel and firearms, open, closed, linear, single, multiple, with displacement, without displacement, combined, direct and reflected; -fractures of the lower jaw: body, branches, condyle, bilateral, multiple, in the absence of teeth; -fractures of the upper jaw: Le Fore 1, Le Fore 2, Le Fore 3; -fracture of the zygomatic bone and zygomatic arch; -fractured bones of the nose; - multiple fractures of the jaw bones. Complications of jaw fractures: -traumatic osteomyelitis, -delayed consolidation, -incorrect consolidation, -false joint. <p>Injuries to the soft tissues of the face:</p> <ul style="list-style-type: none"> -acute trauma to the soft tissues of the face: bruises, wounds (stabbed, cut, <p>bruised, gunshot wounds penetrating into the oral cavity, maxillary sinus), wounds to the salivary glands and ducts (salivary fistula, duct stenosis, traumatic duct atresia), wounds to the tongue and corner of the mouth. Chronic injury of the oral mucosa with dentures</p>
	<i>12. Tumors and tumor-like formations of tissues of the maxillofacial region</i>	<p>Benign tumors and tumor-like formations of soft tissues (epulis, lipoma, fibroma of the mucous membrane, tumors of the salivary glands, cysts and fistulas of the neck). Malignant tumors of soft tissues (carcinoma, fibrosarcoma). Benign tumors and tumor-like formations of the jaw bones (osteoma, odontoma, giant cell bone hemangioma, fibrous dysplasia, eosinophilic granuloma). Malignant tumors of the jaw bones (osteosarcoma, chondrosarcoma). Odontogenic tumors and tumor-like formations (jaw cysts, ameloblastoma)</p>
	<i>13. Anomalies of the dental system</i>	<p>Anomalies of teeth, dentition, and jaws. Anomalies of occlusion in sagittal (distal, mesial occlusion, sagittal incisor dysocclusion), vertical (vertical incisor dysocclusion - open occlusion, direct occlusion, deep incisor overlap - deep occlusion, transversal plane - cross occlusion)</p>
	<i>14. Defects and deformations of tissues of the maxillofacial region</i>	<p>Congenital defects and deformities of the maxillofacial region:</p> <ul style="list-style-type: none"> - congenital malformations of the oral mucosa: small vestibule of the mouth, short and additional frenules of the lips, tongue, etc., - congenital malformations of the tooth (timing of eruption, number, shape, size, position, hard tissues of the tooth), -congenital clefts of the upper lip and palate, --congenital syndromes (hemifacial microsomey, Goldenkara, Franceschetti, etc.). <p>Acquired defects and deformities of the jaws:</p> <ul style="list-style-type: none"> -partial and complete adentia. The choice of the prosthesis design. Dental

		implantation, indications for the use of the method. Deformation of the dentition, dental deformities (Popov-Hodon phenomenon), malocclusion (occlusion). Acquired defects and deformations of tissues and organs of the maxillofacial region: -post-traumatic (gunshot, non-gunshot, thermal, radiation), -postoperative, -postinfectious, --postcomatous, -nose, cheeks (scarring, through), eyelids, eye slit, vestibule mouth, tongue
	<i>15. Materials used in dentistry</i>	Filling, structural dental and maxillofacial, implantation, auxiliary

6.3. List of practical skills. General medical skills

A dentist should be able to:

1. Examine the patient in all organs and systems.
2. Evaluate the changes detected during the examination of the patient.
3. To evaluate the indicators of respiratory rate, heartbeat, blood pressure in children of different ages.
4. Treat the cavities of the mouth, ears, nose.
5. Rinse your eyes.
6. Perform gastric lavage.
7. Perform a cleansing, medicinal, siphon enema.
8. Perform subcutaneous, intramuscular, and intravenous injections.
9. Remove foreign bodies from the conjunctival cavity. Remove a foreign body from the ear cavity, nose.
11. Remove a foreign body from the oral cavity.
12. Stop the nosebleed (anterior tamponade).
13. Stop external bleeding by:
 - finger pressure of the vessel,
 - applying a pressure bandage,
 - applying a tourniquet.
14. Apply different types of bandages.
15. Apply an elastic bandage to the lower limb.
16. Apply a warming compress.
17. Perform treatment of bedsores.
18. Perform bandaging of clean and purulent wounds.
19. Assemble a set of tools, materials, and medicines for primary surgical treatment of the wound.
20. Perform immobilization for dislocations and fractures of the upper and lower extremities, spine by using:
 - improvised means,
 - transport tires.
21. Perform immobilization in case of fracture of the spine and pelvic bones.
22. Determine the reaction of the pupils to light.
23. Perform mouth-to-mouth artificial respiration and using an Ambu bag or other portable devices.
24. Perform a closed heart massage.
25. Provide medical assistance in case of fainting, collapse.
26. Provide medical assistance in case of sun and heat stroke.
27. Provide medical assistance in case of poisoning.
28. Provide medical assistance in case of drowning.
29. Provide medical assistance in case of an epileptic seizure.

30. Provide medical care for hypertensive crisis.
31. Provide medical assistance in case of an attack of bronchial asthma.
32. Provide medical care for diabetic comas.
33. Provide medical assistance in case of an attack of renal colic.
34. Provide medical care for bites by animals, snakes and insects.
35. Provide medical assistance for electric trauma, burns and frostbite.
36. Provide medical assistance for shock of various origins.
37. Provide medical care for acute allergic reactions.
38. Provide medical assistance in acute cerebrovascular accident.
39. Master the technique of reading radiographs.
40. Evaluate the indicators:
 - skin allergy tests,
 - laboratory studies,
 - biochemical studies,
 - morphological studies,
 - physiological and electrophysiological studies.
41. Write out a prescription, including a preferential one, for narcotic and equivalent drugs.
42. Issue standard medical documentation.
43. Make a plan for sanitary and educational work.

6.4. Special professional skills

1. To organize a workplace for the reception of patients, taking into account ergonomics, rules of asepsis and antiseptics, prevention of hepatitis and AIDS.
2. To equip the dental office taking into account sanitary and hygienic requirements and equipment for urgent care.
3. Draw up a plan of therapeutic work and preventive measures at the individual and population levels.
4. Organize the reception of patients.
5. Perform examination, palpation of soft tissues and bones of the facial skeleton, lymph nodes, salivary glands.
6. Perform probing of the gingival groove, gingival periodontal pockets.
7. Perform probing, percussion and determine the degree of tooth mobility.
8. To carry out thermiodiagnostics, electroodontiodiagnostics and functional, diagnostic tests.
9. Take the material for cytological and bacteriological studies.
10. Perform a biopsy, diagnostic puncture.
11. Determine the central occlusion, articulation and pronunciation of sounds.
12. Sand the spots on the tooth enamel.
13. Perform remineralization of tooth enamel.
14. Apply fluoride, sodium fluoride solutions to the teeth.
15. Perform fissure sealing.
16. Perform the preparation of the carious cavity.
17. Perform the opening of the tooth cavity.
18. Perform filling of the carious cavity with various filling materials.
19. Prepare and apply temporary sealing materials, medical and insulating pads.
20. Perform sanding and polishing of the seal.
21. Perform infiltration, conduction and application anesthesia.
22. Apply mummifying and necrotizing pastes.
23. Remove the corona and root pulp.
24. Perform instrumental and antiseptic treatment of root canals.
25. Determine the length of the root and channels.
26. Perform filling of root canals with various materials.
27. Demonstrate the use of paraggulpar pins.
28. Remove temporary and permanent teeth using forceps, elevators, drills.
29. Perform an autopsy of the subperiosteal abscess.

30. Perform treatment and drainage of a purulent wound in the maxillofacial area, apply a bandage.
31. Perform a resection of the tip of the tooth root.
32. Remove supra- and subgingival dental deposits.
33. To carry out medical treatment of gingival and periodontal pockets, curettage and gingivotomy.
34. Apply temporary splints.
35. Carry out irrigation, application of medicines and injection of drugs for diseases of the oral mucosa.
36. Perform excision of chronic erosion and ulcers.
37. To carry out primary surgical treatment of the wound of the maxillofacial region, reposition, fixation and immobilization of fragments of jaw bones.
38. Apply ligatures and rubber traction.
39. Treat the burn surface of the maxillofacial area.
40. To correct the dislocation of the temporomandibular joint.
41. Remove a superficial benign neoplasm.
42. Perform wax modeling of orthodontic and orthopedic structures.
43. Dissect teeth for crowns.
44. Take casts of teeth, dentition and jaws.
45. To store and fix crowns, inlays and bridges.
46. To store and apply a removable plate prosthesis, including an immediatoprosthesis.
47. Remove the non-removable prosthesis.
48. Restore the root of the tooth with an anchor pin with a composite stump (root preparation, packing and fixing of the pin, modeling of the stump).
49. Restore the root of the tooth with a cast cult pin tab (root preparation, modeling, packing, fixing).
50. Perform temporary splinting of teeth.
51. Selectively grind teeth in case of traumatic occlusion.
52. To organize and conduct preventive examinations of various groups of the population.
53. Determine special indexes that record the condition of hard dental tissues, oral hygiene, and periodontal tissues.
54. Make a plan of preventive measures depending on the epidemiological situation.
55. Implement endogenous and exogenous methods of caries prevention at the population, group and individual levels.
56. Teach oral hygiene to children and adults.
57. Choose adequate oral hygiene products for children and adults.

7. GIA evaluation criteria

The results of the state certification test are determined by the grades "excellent", "good", "satisfactory", "unsatisfactory".

- Excellent – the examinee demonstrates a systematic, in-depth knowledge of the program material necessary for solving professional tasks, speaks a scientific language, and presents the program material at various levels of its presentation. Correctly diagnoses taking into account the accepted classification, fully and

reasonably answers questions.

- Good – the examinee demonstrates complete knowledge of the program material, is able to substantiate conclusions and explain them in a logical sequence, but makes general mistakes. He makes the diagnosis correctly, but admits inaccuracies in its justification and insignificant errors in answering questions.

- Satisfactory – the examinee demonstrates a sufficient level of knowledge of the basic program material, but makes significant mistakes in its presentation and/ or in answering questions. He is oriented in the disease, but cannot make a diagnosis according to the classification.

- Unsatisfactory – the examinee makes multiple errors of a fundamental nature when answering questions. Cannot correctly answer most of the questions of the task and additional questions. Cannot formulate a diagnosis or misdiagnoses.