



FEDERAL STATE BUDGETARY EDUCATIONAL INSTITUTION OF HIGHER
EDUCATION
SAMARA STATE MEDICAL UNIVERSITY
OF THE MINISTRY OF HEALTHCARE OF THE RUSSIAN FEDERATION
(FSBEI HE SamSMU MOH Russia)

Adopted by the decision of the Academic
Council of the FSBEI HE SamSMU MOH
Russia Protocol No. 7 dated 25 March ,
2022 .

APPROVED
Rector of FSBEI HE SamSMU
MOH Russia
RAS Professor
A.V. Kolsanov

**PROGRAM
OF HIGHER EDUCATION - SPECIALTY PROGRAM**

Specialty
31.05.03 Dentistry

Higher education level
Specialty

Graduate qualification
Dentist

Mode of training
Full - time

Admission year 2022

**Samara
2022**

The program of higher education for the specialty 31.05.03 Dentistry was reviewed and approved at the meeting of the Academic Council of the Institute of Dentistry Protocol No. 1 dated 22.02.2022.

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Program of higher education for the specialty 31.05.03 Dentistry was considered at a meeting of the trade union organization of students, protocol No. 10 dated 14.03.2022, at a meeting of the Council of students, protocol No. 2 dated 14.03.2022, at a meeting of the Council of parents, protocol No. 1 dated 16.03.2022.

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Section 1. GENERAL PROVISIONS

1.1. Purpose of the educational program

The educational program of higher education (EP HE), implemented as part of the specialty 31.05.03 Dentistry, is a system of documents developed and approved by the FSBEI HE SamSMU MOH Russia, taking into account the requirements of the labor market on the basis of the Federal State Educational Standard of Higher Education for the relevant specialty, as well as the professional standard associated with the professional activities of graduates.

EP HE regulates the goals, expected outcomes, contents, conditions and technologies for the implementation of the educational process, assessment of the quality of graduate training in the relevant area and includes: general characteristics of the educational program, curriculum, calendar training schedule, working programs of disciplines (modules), working programs of practices, the program of the State Final Certification, evaluation and methodological materials that ensure the quality of training of students and the implementation of appropriate educational technologies, as well as a working program of education, a calendar plan of educational work and forms of certification.

Mission of the EP HE - to create conditions for the development of fundamental and practical orientation for the training of a dentist, based on international standards and national traditions of higher medical education.

The goal of the EP HE leadership in the training of competitive graduates capable of successfully solving professional tasks as part of medical, organizational and managerial, research and teaching activities in the national and foreign labor markets on the basis of universal, general professional and professional competencies developed throughout the educational process at the University.

Objectives of the EP HE:

- formation of professional and personal qualities that ensure that specialists are highly employable and sustainably competitive in the Russian and international labor market and have ample opportunities for self-realization, including in the advanced areas of knowledge, the most significant areas of professional activity and the public life;
- the desire to continue education and self-education throughout life, the ability to use one's creative potential as productively as possible in the interests of the individual, society and the state;
- the ability to generate new ideas, expand the scope of one's own competence, develop optimal strategies for one's activities;
- willingness to solve problems in new and non-standard professional and everyday life situations, taking into account social and ethical responsibility for the decisions taken.

1.2. Regulatory documents

- Federal Law of the Russian Federation No. 273-FZ of 29.12.2012 "On Education in the Russian Federation";
- Order of the Ministry of Education and Science of the Russian Federation No. 301 dated 5 April, 2017 "On Approval of the procedure for the organization and implementation of educational activities for educational programs of higher education – Bachelor's degree programs, specialty programs, Master's degree programs";

- Federal State Educational Standard of Higher education – specialty 31.05.03 Dentistry, approved by Order of the Ministry of Education and Science of the Russian Federation dated 12 August, 2020 No. 984;
- Professional standard "Dentist", approved by the order of the Ministry of Labor and Social Protection of Russia dated 10 May, 2016 No. 227n.
- Order of the Ministry of Health of the Russian Federation No. 620n dated 03.09.2013 "On approval of the procedure for organizing and conducting practical training of students in educational programs of medical and pharmaceutical education";
- Order of the Ministry of Education and Science of the Russian Federation No. 636 dated 29/06/2015 "On Approval of the Procedure for the 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. 1456 dated 26/11/2020 "On Amendments to Federal State Educational Standards of Higher Education";
- Charter of FSBEI HE SamSMU MOH Russia

1.3. List of abbreviations

c.p.	credit point
AI	Indicator of achievement (universal, general professional, professional) competence
EO HE	Educational organization of higher education
GPC	General professional competencies
EP HE	Educational program of higher education
PC	Professional competencies
PS	Professional standard
UC	Universal competencies
FSES HE	Federal State Educational Standard of Higher Education
AC_____	The adaptive component of the educational program that characterizes organization of the educational process for people with disabilities

Section 2. CHARACTERISTICS OF PROFESSIONAL ACTIVITY OF GRADUATES

2.1. General description of professional activity of graduates

Areas of professional activity for graduates who have mastered the specialty program:
 01 Education and science (in the field of scientific research),
 02 Healthcare (in the field of medical care for dental diseases),
 07 Administrative, managerial and office-based activities (in healthcare organizations).

Graduates may carry out professional activities in other areas of professional activity, provided that their level of education and acquired competencies meet the qualification requirements for the employment.

Types of the main tasks of professional activity of graduates

As part of the development of the specialty program, graduates may prepare for solving the following types of professional activity tasks:

- medical;
- scientific research;
- organizational and managerial;
- pedagogical.

The list of the main objects of professional activity of graduates: individuals (patients), the population, medical staff, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of the health of citizens.

2.2. List of professional standards correlating with the Federal State Educational Standard

The list of professional standards correlating with the Federal State Educational Standard of Higher Education for the specialty 31.05.03 Dentistry is presented in Appendix 1.

The list of generalized work functions and work functions related to the professional activity of a graduate of the specialty program for the specialty 31.05.03 Dentistry is presented in Appendix 2.

2.3. List of the main tasks of professional activity

Area of professional activity (according to the register of the Ministry of Labor)	Types of tasks of professional activity for graduates	Tasks of professional activity	Objects of professional activity (or areas of knowledge)
01 Education and science	Scientific research	Participation in solving research and applied scientific problems in the field of health and medical sciences	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health
01 Education and science	Pedagogical	Instructing the population and medical staff on the basic hygienic measures related to health promotion and contributing to the prevention of dental diseases and health improvement	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health

02 Healthcare	Medical	Conducting diagnostics of dental diseases and pathological conditions of patients	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health
		Conducting treatment of patients	
		Conducting diagnostics, urgent and emergency treatment of patients	
		Implementation of measures for the prevention of dental diseases	
		Providing medical expertise	
07 Administrative, managerial and office activities	Organizational and managerial;	Application of the basic principles of organizing dental care in medical organizations and their structural divisions	Medical staff, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health

Section 3. GENERAL CHARACTERISTICS OF THE EDUCATIONAL PROGRAM

3.1. Orientation (profile) of the educational program within the specialty

The orientation (profile) of the specialty program corresponds to the specialty as a whole.

The contents of the mandatory part of the educational program provide a graduate of the specialty 31.05.03 Dentistry with the competencies necessary for obtaining primary accreditation of a specialist ensuring compliance with the professional standard "Dentist" in accordance with the procedure established by the Regulation on accreditation of specialists approved by Order No. 334n of the Ministry of Health of the Russian Federation dated 2 June, 2016.

3.2. Qualifications awarded to graduates

Graduate qualification: Dentist

3.3. Scope of the program

The scope of the specialty program is 300 credit points (hereinafter referred to as credits), regardless of the educational technologies used, the online implementation of the specialty program, the implementation of the specialty program based on an individual curriculum.

The scope of the specialty program implemented in one academic year is no more than 70 c.p regardless of the educational technologies used, the online implementation of the specialty program, the implementation of the specialty program based on an individual curriculum (with the exception of accelerated education), with accelerated education - no more than 80 c.p.

The implementation of the specialty program using exclusively e-learning, distance learning technologies is not allowed.

The specialty program is implemented in the state language of the Russian Federation.

3.4. Modes of training

Training under the specialty program is carried out in full-time mode.

3.5. Duration of the course of education

The duration of educational course under the specialty program (regardless of the educational technologies used):

- including holidays provided after the State Final Certification, is 5 years;
- when studying based on an individual curriculum, disabled people and people with health issues may apply to extend the course duration by no more than 1 year.

Section 4. PLANNED OUTCOMES FOR THE IMPLEMENTATION OF THE EDUCATIONAL PROGRAM

4.1. Requirements for the planned outcomes of the educational program

4.1.1. Universal competencies of graduates and indicators of their achievement

Category (group) of universal competencies	The code and name of the universal competence	Code and name of the universal competence achievement indicator
<i>System and critical thinking</i>	UC-1. Ability to carry out a critical analysis of problems based on a systemic approach and develop a strategy of actions	IUC 1.1 Knowledge of: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 1.2 Ability to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional area; search for information and solutions based on actions, experiments and experience IUC 1.3 Practical experience in: research of the problems related to professional activity using analysis, synthesis and other methods of intellectual activity; development of an action strategy for solving professional problems
<i>Development and implementation of projects</i>	UC-2. Ability to manage the project at all stages of its life cycle	IUC 2.1 Knowledge of: methods of presenting and describing the results of project activities; methods, criteria and parameters for evaluating the results of project implementation; principles, methods and requirements for project activities IUC 2.2 Ability to: substantiate the practical and

		<p>theoretical significance of the results obtained; check and analyze project documentation; predict the development of processes as part of professional projects; generate innovative ideas and offer non-standard approaches to their realization in order to implement a project; calculate qualitative and quantitative results and determine deadlines for project activities</p> <p>IUC 2.3 Practical experience in: project management in the area of professional activity; assignment of tasks and encouraging others to achieve goals; managing the development of the project's technical specifications, managing the implementation of professional project activities; participating in the development of the project's technical specifications and the project implementation program in the professional area</p>
<i>Teamwork and leadership</i>	<p>UC-3. Ability to organize and manage the work of the team, develop a team strategy to achieve a goal</p>	<p>IUC 3.1 Knowledge of: the problems of selecting an effective team; the basic conditions for effective teamwork; the basics of strategic human resource management, legal acts regulating organization and implementation of professional activities; organizational behavior models, factors of organizational relationships formation; strategies and principles of teamwork, the main characteristics of the organizational environment and interaction of people in the organization</p> <p>IUC 3.2 Ability to: choose the management style for effective team work; develop a team strategy; apply the principles and methods of organizing team activities</p> <p>IUC 3.3 Practical experience in: participation in the development of a teamwork strategy; participation in teamwork, role allocation as part of team interaction</p>
<i>Communication</i>	<p>UC-4. Ability to apply modern communication technologies, including those in a foreign language(s), for academic and professional interaction</p>	<p>IUC 4.1 Knowledge of: the basics of oral and written communication in Russian and foreign languages, functional styles of the native language, requirements for business communication, modern means of information and communication technologies</p> <p>IUC 4.2 Ability to: express one's thoughts in Russian and in a foreign language for business communication</p> <p>IUC 4.3 Practical experience in: writing texts in Russian and in foreign languages related to professional activity; experience in translating medical texts from a foreign language into Russian; experience in speaking Russian and foreign languages.</p>
<i>Intercultural communication</i>	<p>UC-5. Ability to analyze and take into account the diversity of cultures in the process of intercultural communication</p>	<p>IUC 5.1 Knowledge of: the main philosophical categories, the laws of historical development, the basics of intercultural communication; the basic concepts of human interaction in an organization</p> <p>IUC 5.2 Ability to: competently, accessibly present professional information in the process of intercultural communication; observe ethical norms and uphold human rights; analyze the characteristics of social interaction taking into account national, ethnic, cultural and religious characteristics</p>

		IUC 5.3 Practical experience in: productive interaction in a professional environment, taking into account national, ethnic, cultural and religious characteristics; overcoming communicative, educational, ethnic, confessional and other barriers in the process of intercultural communication
<i>Self-organization and self-development (including health preservation)</i>	UC-6. Ability to determine and implement the priorities of one's own activities and ways to improve them on the basis of self-assessment and lifelong education	IUC 6.1 Knowledge of: the importance of planning long-term goals of activity, taking into account the conditions, means, personal capabilities, stages of career growth, timelines for the development of activities and labor market requirements; technology and methodology of self-assessment; basic principles of self-education IUC 6.2 Ability to: determine the priorities of professional activity and ways to improve them based on self-assessment; monitor and evaluate the components of professional activity; plan independent activities for solving professional tasks IUC 6.3 Practical experience in: planning one's own professional activity and self-development, mastering continuing educational programs
	UC-7. Ability to maintain an adequate level of physical fitness to support proper social and professional activities	IUC 7.1 Knowledge of: health-saving technologies for maintaining a healthy lifestyle, taking into account the physiological characteristics of the body IUC 7.2 Ability to: competently, ergonomically and logically plan their work and leisure time for an optimal combination of physical and mental stress to ensure full working capacity; maintain an adequate level of physical fitness to support proper social and professional activities and comply with the norms of a healthy lifestyle IUC 7.3 Practical experience in: maintaining appropriate level of physical fitness to support proper social and professional activities and comply with the norms of a healthy lifestyle
<i>Life safety</i>	UC-8. Ability to create and maintain safe living conditions in everyday life and in professional activities, including during emergencies and military conflicts	IUC 8.1 Knowledge of: hazardous factors influencing vital activity; algorithms of actions in case of emergencies and military conflicts; IUC 8.2 Ability to: identify dangerous and harmful factors within the framework of one's activities, create and maintain safe living conditions in everyday life and as part of professional activities IUC 8.3 Practical experience in: participation in planned drills to master the rules of conduct during emergencies, provision of first aid; compliance with safety regulations in the workplace
<i>Inclusive competence</i>	UC-9. Able to use basic defectological knowledge in social and professional spheres	IUC 9.1 Knows: the basics of defectology IUC 9.2 Ability to: establish effective communication and create a tolerant environment when working with disabled people and people with health issues IUC 9.3 Practical experience in: medical, social and organizational support (assistance) for people with disabilities and people with health issues ensuring they receive medical care

<i>Basic knowledge of economics, including financial literacy</i>	UC-10. Ability to make informed economic decisions in various areas of life	IUC 10.1 Knowledge of: fundamentals of economic theory, the nature of economic relations IUC 10.2 Ability to: analyze specific economic situations in various areas of life IUC 10.3 Practical experience in: making informed economic decisions
<i>Civic position</i>	UC-11. Ability to form an intolerant attitude towards corrupt behavior	IUC 11.1 Knowledge of: the regulatory framework for the fight against corruption; ethical norms for the relationship between a doctor and a patient (their legal representatives) IUC 11.2 Ability to: correctly determine the tactics of relationships with patients in various situations, including cases where patients (their legal representatives) provoke a doctor to engage in corrupt behavior IUC 11.3 Practical experience in: communicating with patients (legal representatives) in various situations

4.1.2. General professional competencies of graduates and indicators of their achievement

Category of general professional competencies	The code and name of the general professional competence	Code and name of the general professional competence achievement indicator
<i>Ethical and legal bases of professional activity</i>	GPC-1. Ability to implement moral and legal norms, ethical and deontological principles in professional activity	IGPC 1.1 Knowledge of: fundamentals of medical ethics and deontology; fundamentals of legislation in the field of healthcare; legal aspects of medical activity IGPC 1.2 Ability to: apply ethical norms and principles of behavior of a medical specialist in the performance of one's professional duties; knowledge of modern legislation in the field of healthcare for solving professional tasks; ability to apply rules and norms of interaction with colleagues and patients (their legal representatives) IGPC 1.3 Practical experience in: solving standard tasks of professional activity based on ethical norms and deontological principles when interacting with colleagues and patients (their legal representatives), knowledge of legal aspects of medical activity
	GPC-2. Ability to analyze the results of one's own activities to prevent professional mistakes	IGPC 2.1 Knowledge of: procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; methodology for analyzing the results of own activities IGPC 2.2 Ability to: analyze the results of examination and treatment of patients with dental diseases; draw up an action plan to prevent professional mistakes based on the analysis of the results of own activities IGPC 2.3 Practical experience of: participation in a clinical (clinical-anatomical) conference on the analysis of errors of professional activity

	<p>GPC-3. Ability to counter the use of doping in sports and combat it</p>	<p>IGPC 3.1 Knowledge of: fundamentals of legislation in the field of countering the use of doping in sports; mechanisms of action of the main drugs used as doping in sports</p> <p>IGPC 3.2 Ability to: apply knowledge of the mechanisms of action of the main drugs used as doping in sports to organize the fight against it; conduct sanitary and educational work aimed at various groups of the population.</p> <p>IGPC 3.3 Practical experience in: conducting sanitary and educational work aimed at combating doping in sports among students involved in sports.</p>
<p><i>Formation of a healthy lifestyle</i></p>	<p>GPC-4. Ability to carry out and monitor the effectiveness of preventive measures, healthy lifestyle development and sanitary and hygienic education of the population</p>	<p>IGPC 4.1 Knowledge of: the main criteria for a healthy lifestyle and methods of its formation; social, hygienic and medical aspects of alcohol abuse, drug addiction, substance abuse, the basic principles of their prevention; forms and methods of sanitary and hygienic education aimed at patients (their legal representatives), medical staff; basic hygienic measures of a health-improving nature that promote health and help prevent the occurrence of the most common diseases; the basics of preventive medicine; stages of planning and implementation of community programs for the prevention of the most common diseases</p> <p>IGPC 4.2 Ability to: conduct sanitary and hygienic education aimed at children and adults (their legal representatives) and medical staff in order to promote a healthy lifestyle and prevent the most common diseases; conduct sanitary and educational work aimed at children and adults in order to promote a healthy lifestyle and prevent most common diseases; in children and adults (their legal representatives) encourage behavior aimed at preserving and improving the level of physical health; develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances; develop a plan of preventive measures and implement methods of group and individual prevention of the most common diseases, suggest preventive measures to patients taking into account risk factors significant for prevention and early detection of diseases, including cancer; choose and prescribe medicines and non-medication treatment methods for the prevention of the most common diseases</p> <p>IGPC 4.3 Practical experience in: promoting a healthy lifestyle and preventing the most common diseases; conducting sanitary and educational work aimed at children and adults; encourage behavior in children and adults (their legal representatives) aimed at preserving and improving the level of physical health; developing healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption and control non-medical use of narcotic drugs and psychotropic substances; development of a plan of preventive measures and implementation of methods of group and individual prevention of the most common diseases; prescribing preventive measures for children and adults taking into account risk factors,</p>

		<p>oncological and hygienic prevention in accordance with the procedures for medical care, clinical recommendations, taking into account the standards of medical care; selection and prescription of medicines and non-medication treatment methods for the prevention of the most common diseases</p>
<p><i>Diagnosis and treatment of diseases</i></p>	<p>GPC-5. Ability to conduct a patient examination in order to establish a diagnosis for solving professional tasks</p>	<p>IGPC 5.1 Knowledge of the methodology for obtaining patient records and complaints from children and adults (their legal representatives); the methodology of examination and physical examination; clinical pattern, methods of diagnostics of the most common diseases; methods of laboratory and instrumental studies to assess the state of health, medical indications for tests, rules for interpreting the results; international statistical classification of diseases and health issues (ICD); conditions requiring urgent medical care</p> <p>IGPC 5.2 Ability to: obtain complaints, patient records of children and adults (their legal representatives), identify risk factors and causes of diseases; apply methods of examination and physical examination of children and adults; interpret the results of examination and physical examination of children and adults; diagnose the most common pathology in children and adults; identify cancer risk factors; formulate a preliminary diagnosis, develop a plan for laboratory, instrumental and additional tests for children and adults in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prescribe to children and adults laboratory, instrumental and additional tests in accordance with the current procedures for providing dental medical care, clinical recommendations, taking into account the standards of medical care; refer children and adults for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpret and analyze the results of consultations by specialist doctors for children and adults; interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) tests; establish differential diagnosis of diseases in children and adults; identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases that are not life-threatening and those requiring urgent medical care</p> <p>IDGPC 5.3 Practical experience in: obtaining complaints, patient records of children and adults (their legal representatives), identifying risk factors and causes of diseases; examination and physical examination of children and adults; diagnosis of the most common diseases in children and adults; identification of risk factors for major oncological diseases; formulation of a preliminary diagnosis, drawing up a plan for conducting instrumental, laboratory, additional tests, consultations of specialist doctors; referral of patients to instrumental, laboratory, additional tests, consultations of specialist doctors in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; interpretation of data</p>

		<p>from additional (laboratory and instrumental) examinations of patients; establishing a preliminary diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD); differential diagnosis of diseases; recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases that are not life-threatening and those requiring urgent medical care</p>
	<p>GPC-6. Ability to prescribe, monitor the effectiveness and safety of non-medication and drug-based treatment for solving professional tasks</p>	<p>IGPC 6.1 Knowledge of: methods of drug-based and non-medication treatment, medical indications for the use of medical devices for the most common diseases; groups of drugs used to provide medical care for the treatment of the most common diseases; the mechanism of their action, medical indications and contraindications for prescription; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen; characteristics of providing emergency medical care</p> <p>IGPC 6.2 Ability to: develop a treatment plan for children and adults suffering from the most common diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; prevent or eliminate complications, side effects, adverse reactions, including unforeseen ones resulting from diagnostic or therapeutic manipulations, the use of medications and (or) medical devices, non-medication treatment</p> <p>IGPK 6.3 Practical experience in the development of the plan for the treatment of children and adults with the most common diseases in accordance with the applicable procedures of medical care, clinical guidelines, the standards of medical care; emergency medical care for patients with the most common diseases, in accordance with the applicable procedures of medical care, clinical guidelines, the standards of medical care; selection and prescription of drugs and medical products to treat the most common diseases of children and adults in accordance with the applicable procedures of medical care, clinical guidelines, the standards of medical care; assess the effectiveness and safety of medicinal products, medical devices and non-medication treatment of children and adults suffering from the most common diseases; selection and prescription of non-medication treatment to children and adults suffering from the most common diseases in accordance with the rules of medical care, clinical guidelines, the standards of medical care; prevention and treatment of complications, side effects, adverse reactions, including emergencies resulting from diagnostic or therapeutic procedures, the use of drugs and (or) medical devices, non-medication treatment; medical care for children and adults with acute diseases, conditions, exacerbation of chronic diseases that are not life-threatening in the emergency form; the use of drugs and medical devices in emergency medical care</p>

	<p>GPC-7. Ability to organize work and make professional decisions in emergency situations, during epidemics and in epicenters of mass destruction</p>	<p>IGPC 7.1 Knowledge of: methods of obtaining complaints and patient records from patients (their legal representatives); methods of physical examination of patients (examination, palpation, percussion, auscultation); principles and methods of providing medical care to patients in emergency situations, during epidemics and in the foci of mass destruction in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care; clinical signs of major emergency conditions; principles of medical evacuation in emergency situations, during epidemics and in the foci of mass destruction; principles of work in the foci of mass destruction</p> <p>IGPC 7.2 Ability to: recognize conditions that require emergency medical care, including in emergency situations, during epidemics and in the epicenters of mass destruction; organize the work of medical personnel in emergency situations, during epidemics and in the epicenters of mass destruction; provide emergency medical care to patients with life-threatening conditions, including clinical death (cessation of the vital functions of the human body (blood circulation and (or) breathing); use medicines and medical devices when providing medical care in emergency conditions; perform basic cardiopulmonary resuscitation; use personal protective equipment;</p> <p>IGPC-7.3 Practical experience in: assessing a condition requiring emergency medical care, including in emergency situations, during epidemics and in the foci of mass destruction; recognizing conditions that pose a threat to life, including a state of clinical death (cessation of vital functions of the human body (blood circulation and (or) respiration), requiring emergency medical care; providing emergency medical care to patients in conditions that pose a threat to the life of patients, including clinical death (cessation of vital functions of the human body (blood circulation and (or) respiration); the use of medicines and medical devices for the provision of medical care in emergency conditions and epidemics; use of personal protective equipment</p>
<p><i>Basics of fundamental and natural science knowledge</i></p>	<p>GPC-8. Ability to use basic physical, chemical, mathematical and natural science concepts and methods for solving professional problems</p>	<p>IGPC 8.1 Knowledge of: basic physical, chemical, mathematical and natural science concepts and methods used in medicine</p> <p>IGPC 8.2 Ability to: interpret the data of the basic physical, chemical, mathematical and natural-scientific research methods for solving professional problems</p> <p>IGPC 8.3 Has practical experience in the application of basic physical, chemical, mathematical and natural science research methods for solving professional problems</p>

	GPC-9. Ability to assess morphofunctional states and pathological processes in the human body to solve professional problems	IGPC-9.1 Knowledge of: anatomy, histology, embryology, topographic anatomy, physiology, pathological anatomy and physiology of human organs and systems IGPC 9.2 Ability to: evaluate the basic morphofunctional data, physiological states and pathological processes in the human body IGPC 9.3 Practical experience in: assessment of basic morphofunctional data, physiological conditions and pathological processes in the human body when solving professional tasks
Organization and management	GPC-10. Ability to organize the work of junior and mid-level medical personnel to ensure patient care	IGPC 10.1 Knowledge of: the basics of patient care of various profiles IGPC 10.2 Ability to: provide care to patients of various profiles; organize the work of junior and mid-level medical personnel to ensure patient care IGPC 10.3 Practical experience in: caring for patients of various profiles; organizing the work of junior and mid-level medical personnel to ensure patient care
	GPC-11. Ability to implement the principles of quality management in professional activities	IGPC 11.1 Knowledge of: the basic concepts of the quality management system of a medical organization; requirements for ensuring internal quality control and safety of medical activities IGPC 11.2 Ability to: analyze the quality of medical care for dental patients; ensure internal quality control and safety of medical activities; organize work and monitor the performance of official duties by the medical personnel reporting to them IGPC 11.3 Practical experience in: carrying out work to ensure internal quality control for medical care of dental patients and the safety of medical activities
Medical rehabilitation	GPC-12. Ability to implement and monitor the effectiveness of medical rehabilitation of dental patients	IGPC 12.1 Knowledge of: procedures for the organization of medical rehabilitation and spa treatment; methods of medical rehabilitation of patients, medical indications and medical contraindications to their implementation, taking into account the diagnosis in accordance with the current procedures for the organization of medical rehabilitation, clinical recommendations and the standards of medical care; medical indications and medical contraindications for medical rehabilitation measures aimed at patients with dental diseases; medical indications for referral of patients with dental diseases to specialist doctors for the prescription of medical rehabilitation measures, sanatorium treatment; the procedure for providing medical care to adults with dental diseases; the procedure for providing medical care to children with dental diseases; ways to prevent or eliminate complications, side effects, adverse reactions, in particular serious and unforeseen ones that have arisen as a result of medical rehabilitation measures for children and adults with dental diseases IGPC 12.2 Ability to: develop a plan of measures for medical rehabilitation of patients with dental diseases in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care; determine medical indications

		<p>for medical rehabilitation of patients with dental diseases in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care; refer patients with dental diseases for consultation with specialist doctors for the prescription of medical rehabilitation measures, sanatorium treatment, in accordance with the current procedures for the organization of medical rehabilitation and sanatorium treatment, clinical recommendations, taking into account the standards of medical care; evaluate the effectiveness and safety of medical rehabilitation measures for patients with dental diseases in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care</p> <p>IGPC 12.3 Practical experience in: drawing up a plan of measures for the medical rehabilitation of patients with dental diseases in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care; carrying out medical rehabilitation measures for patients with dental diseases in accordance with the current procedure for the organization of medical rehabilitation, clinical recommendations, taking into account the standards of medical care; referral of patients with dental diseases for consultation with specialist doctors; evaluation of the effectiveness and safety of measures for the medical rehabilitation of patients with dental diseases</p>
<p><i>Information literacy</i></p>	<p>GPC-13. Ability to understand the principles of modern information technologies and use them to solve the tasks of professional activity</p>	<p>IGPC 13.1 Knowledge of: the capabilities of reference information systems and professional databases; methods of information retrieval, information and communication technologies; modern medical and biological terminology; fundamentals of information security in professional activities</p> <p>IGPC 13.2 Ability to: apply modern information and communication technologies to solve the tasks of professional activity; carry out an effective search for information necessary to solve the tasks of professional activity using reference systems and professional databases; use modern medical and biological terminology; master and apply modern information and communication technologies in professional activity, taking into account the basic requirements of information security</p> <p>IGPC 13.3 Practical experience in the use of modern information and bibliographic resources, the use of special software and automated information systems to solve standard tasks of professional activity, taking into account the basic requirements of information security</p>

4.1.3. Professional competencies of graduates and indicators of their achievement

Task of professional activity	Object	Code and name of professional competence (PC)	Code and name of the indicator of achievement of professional competence	The basis (professional standards, analysis of experience)
Types of tasks of professional activity for graduates				
PC category: diagnosis of dental diseases				
<i>Conducting diagnostics of dental diseases and pathological conditions of patients</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health	PC-1. Ability to conduct diagnostics of children and adults with dental diseases, establish a diagnosis	IPC 1.1 Knowledge of: General issues of organization of medical care for adults and children Anatomy of the head, maxillofacial region, features of blood supply and innervation, structure of teeth Histology and embryology of the oral cavity and teeth, the main disorders of embryogenesis Anatomical and functional state of the organs of the maxillofacial region, taking into account the age of the patient The normal and pathological physiology of the dento-facial system, its relationship with the functional state of other body systems and the levels of their regulation The role of oral hygiene, nutrition and the use of fluorides in the prevention of dental and periodontal diseases Methodology for obtaining patient history, complaints from children and adults (their legal representatives) with dental diseases Goals and objectives of individual and professional oral hygiene Hygienic indexes and methods of their determination	PS 02.005 Dentist

			<p>Methods of examination and physical examination, features of clinical dental examination of children and adults with dental diseases</p> <p>Clinical pattern, diagnostic methods, classification of diseases of teeth, periodont, oral mucosa, lips in children and adults</p> <p>Clinical pattern, diagnostic methods, classification of diseases of the bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint in children and adults</p> <p>Methods of laboratory and instrumental tests to assess the state of health, medical indications for conducting tests, rules for interpreting their results</p> <p>Medical indications and contraindications for the use of additional examination methods</p> <p>Medical devices used in providing medical care to children and adults with dental diseases</p> <p>International Statistical Classification of Diseases and Related Health Problems (ICD)</p> <p>The procedure for providing medical care to adults with dental diseases</p> <p>The procedure for providing medical care to children with dental diseases</p> <p>Clinical recommendations on the provision of dental care</p> <p>Conditions requiring urgent medical care</p> <p>Sanitary and epidemiological requirements and issues of organization of sanitary and anti-epidemic (preventive) measures in order to prevent the occurrence and spread of infectious diseases</p> <p>IPC 1.1 Ability to:</p> <p>Obtain complaints, patient records of children and adults (their legal representatives) with dental diseases, identify risk factors and causes of dental diseases</p>	
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			<p>Interpret information received from children and adults (their legal representatives) with dental diseases</p> <p>Apply methods of examination and physical examination of children and adults with dental diseases, interpret the results of examination and physical examination of children and adults with dental diseases</p> <p>Diagnose pulp and periodontal diseases, parodontium diseases, disorders of oral and lip mucosa, the hard tissues of the teeth in adults and children</p> <p>Diagnose in children and adults with dental diseases defects of teeth and dental arches, dental deformities and anomalies of teeth and jaws, anodontia and prerequisites for their development, injuries of teeth, bones of the facial skeleton and soft tissues of the maxillofacial region</p> <p>Identify risk factors for cancer of the maxillofacial region in children and adults with dental diseases</p> <p>Formulate a preliminary diagnosis, make a plan for laboratory, instrumental and additional tests for children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Recommend to children and adults with dental diseases laboratory, instrumental and additional tests in accordance with the current procedures for providing dental medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Refer children and adults with dental diseases for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p>	
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			<p>Interpret and analyze the results of consultations by specialist doctors of children and adults with dental diseases</p> <p>Justify the need and scope of additional examinations of patients (including radiological tests)</p> <p>Interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) examination methods in children and adults with dental diseases, including data provided by radiological methods</p> <p>To carry out differential diagnostics of dental diseases in children and adults</p> <p>Formulate the final diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD)</p> <p>Identify clinical signs of acute diseases, conditions, exacerbations of chronic diseases that are not life-threatening and those requiring urgent medical care</p> <p>IPC 1.3 Practical experience in:</p> <p>Obtaining complaints, patient records of children and adults (their legal representatives) with dental diseases, identifying risk factors and causes of dental diseases</p> <p>Interpreting the results of examination and physical examination of children and adults with dental diseases</p> <p>Diagnostics in children and adults of:</p> <ul style="list-style-type: none"> - dental caries, - non-carious lesions, - pulp and periodontal diseases, - parodontium diseases, - disorders of the mucous membrane of the mouth and lips, - dental defects, - defects of dental arches, - dentofacial deformities, - anomalies of teeth and jaws, 	
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			<p>- anodontia</p> <p>Identifying risk factors for cancer of the maxillofacial region in children and adults with dental diseases</p> <p>Formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional tests, consultations of specialist doctors in children and adults with dental diseases</p> <p>Referrals of children and adults with dental diseases for instrumental, laboratory, additional tests, consultations of specialist doctors in children and adults with dental diseases in accordance with the current procedures for providing dental medical care to adults and children, clinical recommendations, taking into account the standards of medical care</p> <p>Interpretation of data from additional (laboratory and instrumental) examinations of patients (including radiological methods)</p> <p>Formulation of the final diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD)</p> <p>Differential diagnosis of dental diseases</p> <p>Formulation of the final diagnosis in accordance with the International Statistical Classification of Diseases and Related Health Problems (ICD)</p> <p>Recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases that are not life-threatening and those requiring urgent medical care</p>	
PC category: treatment of dental diseases				
<i>Conducting treatment of patients</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care	PC-2. Ability to prescribe treatment and treat children and adults with dental	IPC 2.1 Knowledge of: The procedure for providing medical care to adults with dental diseases	PS 02.005 Dentist

	<p>aimed at creating conditions for the protection of citizens' health</p>	<p>diseases, monitoring its effectiveness and safety</p>	<p>The procedure for providing medical care to children with dental diseases Clinical recommendations on the provision of medical care to patients with dental diseases Standards of medical care Methods of drug and non-medication treatment, medical indications for the use of medical devices for dental diseases Groups of medicines used to provide medical care for the treatment of dental diseases; the mechanism of their action, medical indications and contraindications for their prescription; compatibility, possible complications, side effects, adverse reactions, including those that are serious and unforeseen Principles, techniques and methods of anesthesia, selection of the type of local anesthesia for the treatment of dental diseases Methods of preventing or eliminating complications, side effects, adverse reactions, including serious and unforeseen, that occurred during the examination or treatment of patients with diseases of the teeth, pulp, periodont, parodontium, oral and lip mucosa Features of providing emergency medical care for dental diseases Materials science, technologies, equipment and medical products used in dentistry Anatomy of the head, maxillofacial region, features of blood supply and innervation; structure of teeth; histology and embryology of the oral cavity and teeth, the main disorders of embryogenesis IPC 22 Ability to: Develop a treatment plan for children and adults with dental diseases in accordance with the procedures for</p>	
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			<p>providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>To select and prescribe medications, medical devices (including dental materials), dietary nutrition, therapeutic and wellbeing regimen for the treatment of children and adults with dental diseases in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Determine medical indications and contraindications for local anesthesia techniques of the maxillofacial region</p> <p>Carry out local anesthesia (application, infiltration, conduction) in children and adults with dental diseases</p> <p>Perform medical interventions, including therapeutic, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic treatment):</p> <ul style="list-style-type: none"> - individual oral and dental hygiene training, selection of oral hygiene products and items - controlled brushing of teeth - professional oral and dental hygiene - injection of drugs in the maxillofacial region - local application of remineralizing substances to the tooth area - deep fluoridation of tooth enamel - fissure sealing of the tooth with a sealant - professional teeth whitening - grinding of hard tooth tissues - restoration of the tooth with a filling using dental cements, chemical curing materials, photopolymers -restoration of teeth with damage to the contact point - restoration of the tooth with filling material using anchor pins 	
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			<ul style="list-style-type: none"> - applying devitalizing paste - pulpotomy (amputation of the crown pulp) - pulp extirpation - instrumental and medical treatment of an accessible root canal - temporary filling of the root canal with medication - filling of the root canal of the tooth with paste and gutta-percha points - removal of supergingival and subgingival dental deposits in the tooth area (manually) - ultrasound removal of supra-gingival and subgingival dental deposits in the tooth area - non-surgical debridement for periodontal diseases in the tooth area - application of a therapeutic bandage for periodontal diseases in the area of one jaw - prescribing drug therapy for diseases of the oral cavity and teeth - appointment of dietary therapy for diseases of the oral cavity and teeth <p>Performing medical interventions, including surgical, in children and adults with dental diseases on an outpatient basis (excluding the removal of impacted and embedded teeth):</p> <ul style="list-style-type: none"> - tooth extraction - removal of a temporary tooth - permanent tooth removal - incision and drainage of an odontogenic abscess <p>Step-by-step irrigation of the oral cavity (excluding irrigation of the oral cavity in children under the conditions of an anesthetic support)</p> <p>Performing medical interventions, including orthopedic, in adults with dental diseases on an outpatient basis (excluding dental implant prosthetics,</p>	
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			<p>technologies for automated manufacturing of orthopedic structures, completely removable laminar denture and clasp prosthesis):</p> <ul style="list-style-type: none"> - obtaining anatomical and functional impressions - restoration of the tooth with a crown - restoration of the integrity of the dental arch with fixed prosthetic bridges - prosthetics involving partial removable laminar dentures - correction of removable orthopedic structure - removal of a fixed orthopedic structure <p>Interpretation of the results of X-ray examinations of the maxillofacial region</p> <p>Providing consultations to children and adults with diseases of the mucous membrane of the mouth and lips, determining indications for referral to specialist doctors</p> <p>Preventing or eliminating complications, side effects, undesirable reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of medicines and (or) medical devices, non-medication treatment</p> <p>IPC 2.3 Practical experience in:</p> <p>Development of a treatment plan for children and adults with dental diseases, taking into account the diagnosis, age and clinical pattern in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Provision of medical care in an emergency and urgent form to patients with dental diseases, in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p>	
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			<p>Selection and prescription of medicines, medical devices (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Prescribing dietary nutrition, therapeutic and wellbeing regime as part of the treatment of dental diseases in children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Performing medical interventions in children and adults with dental diseases in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Evaluation of the results of medical interventions in children and adults with dental diseases</p> <p>Selection of the type and implementation of local anesthesia (application, infiltration, regional) in children and adults with dental diseases</p> <p>Evaluation of the effectiveness and safety of the use of medicines, medical devices and non-medication treatment of children and adults with dental diseases</p> <p>Providing consultations to children and adults with diseases of the mucous membrane of the mouth and lips, determining indications for referral to specialist doctors</p> <p>Selection and prescription of medicines and medical devices, taking into account the diagnosis, age and clinical pattern of dental disease in accordance with the procedures for providing medical care, clinical</p>	
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			<p>recommendations, taking into account the standards of medical care</p> <p>Determination of methods of administration, regimen and dosage of medication</p> <p>Selection and prescription of non-medication treatment for children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of medicines and (or) medical devices, non-medication treatment during a dental appointment</p> <p>Providing emergency medical care to children and adults with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life</p> <p>Use of medicines and medical devices in the provision of emergency medical care</p>	
PC category: urgent and emergency medical care				
<i>Conducting diagnostics, urgent and emergency treatment of patients</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health	PC-3. Ability to provide medical care in an urgent and emergency form	<p>IPC 3.1 Knowledge of:</p> <p>Methods of obtaining complaints and patient records from patients (their legal representatives)</p> <p>Methods of physical examination of patients (examination, palpation, percussion, auscultation)</p> <p>Principles and methods of providing medical care to patients in an emergency form in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Clinical signs of sudden cessation of blood circulation and (or) respiration</p>	PS 02.005 Dentist

			<p>Rules of basic cardiopulmonary resuscitation</p> <p>IPC 3.2 Ability to:</p> <p>Recognize conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and (or) breathing, requiring emergency medical care</p> <p>Provide emergency medical care to patients with conditions that pose a threat to their life, including clinical death (cessation of vital functions of the human body (blood circulation and (or) respiration)</p> <p>Use of medicines and medical devices in the provision of emergency medical care</p> <p>Perform basic cardiopulmonary resuscitation activities</p> <p>IPC 3.3 Practical experience in:</p> <p>Assessment of a condition requiring emergency medical care</p> <p>Recognition of conditions that pose a threat to life, including a state of clinical death (cessation of vital functions of the human body (blood circulation and (or) breathing) that require emergency medical care</p> <p>Provide emergency medical care to patients with conditions that pose a threat to life, including clinical death (cessation of vital functions of the human body (blood circulation and (or) respiration)</p> <p>Use of medicines and medical devices in the provision of emergency medical care</p>	
PC category: prevention of dental diseases				
<i>Implementation of measures for the prevention of dental diseases</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the	PC-4. Ability to conduct and monitor the effectiveness of measures for the prevention of dental diseases in children	<p>IPC 4.1 Knowledge of:</p> <p>Regulatory legal acts regulating the procedures for preventive medical examinations and medical checkups</p> <p>The main criteria of a healthy lifestyle and methods of its development</p>	PS 02.005 Dentist

	protection of citizens' health	and adults, including preventive examinations and dispensary supervision	<p>Social, hygienic and medical aspects of alcohol abuse, drug addiction, substance abuse, basic principles of their prevention</p> <p>Forms and methods of sanitary and hygienic education aimed at patients (their legal representatives), medical staff</p> <p>Features of specific and non-specific prevention of dental diseases</p> <p>The main hygienic measures of a health-improving nature that promote health and prevent the occurrence of dental diseases</p> <p>Etiology, pathogenesis, prevention of dental diseases</p> <p>Fundamentals of preventive medicine</p> <p>Stages of planning and implementation of municipal programs for the prevention of dental diseases</p> <p>IPC 4.2 Ability to:</p> <p>Carry out sanitary and hygienic education aimed at children and adults (their legal representatives) and medical staff in order to promote a healthy lifestyle and prevent dental diseases</p> <p>Carry out sanitary and educational work aimed at children and adults with dental diseases in order to promote a healthy lifestyle and prevent dental diseases</p> <p>Encourage behavior in children and adults (their legal representatives) aimed at preserving and improving the level of somatic and dental health</p> <p>Develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances</p> <p>Develop a plan of preventive measures and implement methods of group and individual prevention of the main dental diseases</p>	
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			<p>Carry out preventive medical dental examinations of the population</p> <p>Prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including cancer</p> <p>Carry out the selection and prescription of medicines and non-medication methods for the prevention of dental diseases of children and adults</p> <p>Carry out dispensary supervision of children and adults with dental diseases</p> <p>IPC 4.3 Practical experience in:</p> <p>Promotion of a healthy lifestyle and prevention of dental diseases</p> <p>Conducting sanitary and educational work aimed at children and adults with dental diseases</p> <p>Encouraging behavior in children and adults (their legal representatives) aimed at preserving and improving the level of somatic and dental health</p> <p>Developing and implementing programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat non-medical use of narcotic drugs and psychotropic substances</p> <p>Developing a plan of preventive measures and implementing methods of group and individual prevention of the main dental diseases</p> <p>Carrying out preventive medical dental examinations of the population taking into account patient age</p> <p>Prescribing preventive measures to children and adults with dental diseases, taking into account risk factors, programs of oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p>	
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			<p>Selecting and prescribing medicines and non-medication methods for the prevention of dental diseases of children and adults</p> <p>Conducting a dispensary examination of children and adults with dental diseases</p> <p>Monitoring compliance with dental preventive measures</p>	
PC category: medical expertise				
<i>Providing medical expertise</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health	PC-5. Ability to conduct medical examinations in relation to children and adults with dental diseases	<p>IPC 5.1 Knowledge of:</p> <p>The procedure for issuing temporary disability certificates</p> <p>Medical indications for referral to medical and social expertise</p> <p>Requirements for registration of medical documentation</p> <p>IPC 5.2 Ability to:</p> <p>Identify signs of temporary disability in adults with dental diseases, temporary disability of a person caring for a sick child suffering from a dental disease</p> <p>Prepare medical documentation for the referral of adults and children with dental diseases to federal state institutions of medical and social expertise</p> <p>IPC 5.3 Practical experience in:</p> <p>Expertise of temporary disability in adults with dental diseases, temporary disability of carers for sick children suffering from dental diseases</p> <p>Registration of the necessary medical documentation for medical and social expertise in federal state institutions of medical and social expertise</p> <p>Referral of children and adults with dental diseases for medical and social expertise</p>	PS 02.005 Dentist

			Issuing a temporary disability certificate, including to persons caring for a sick family member	
Types of tasks of professional activity for graduates				
PC category: scientific research				
<i>Participation in solving research and applied scientific problems in the field of health and medical sciences</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health	PC-6. Ability to analyze and publicly present medical information based on evidence-based medicine, participate in scientific research, and introduce new methods and techniques aimed at protecting public health	IPC 6.1 Knowledge of: Fundamentals of evidence-based medicine; main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information; basic principles of medical scientific research IPC 6.2 Ability to: Search for medical information based on evidence-based medicine; interpret the data of scientific publications; critically evaluate modern methods of diagnosis, prevention and treatment of diseases from the standpoint of evidence-based medicine; justify one's choice of methods of diagnostics, prevention and treatment of dental diseases; prepare a public presentation of medical information, results of scientific research IPC 6.3 Practical experience in: Development of algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine; search and interpretation of medical information based on evidence-based medicine; public presentation of medical information based on evidence-based medicine; partial participation in scientific research	Analysis of the requirements for professional competencies imposed on graduates in the labor market, consultations with leading employers, associations of employers in the industry that graduates are likely to work in
Types of tasks of professional activity for graduates				

PC category: organization and management

<p><i>Application of the basic principles of organizing dental care in medical organizations and their structural divisions</i></p>	<p>Medical staff, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health</p>	<p>PC-7. Ability to analyze medical and statistical information, maintain medical records, organize the activities of medical personnel</p>	<p>IPC 7.1 Knowledge of: Rules of registration and features of maintaining medical documentation, including in the form of an electronic document, in medical organizations of a dental profile Rules of work with medical information systems and information and the Internet Job responsibilities of medical workers in medical organizations of dental profile Organization of dental offices, equipment and appliances of dental offices, departments and polyclinics Occupational health, safety and fire safety requirements, procedures for behaviour in case of emergencies IPC 7.2 Ability to: Make a work plan and a work report Fill out medical documentation, including in the form of an electronic document and monitor the quality of its management Analyze medical and statistical indicators of the incidence of dental diseases Use information systems in the field of healthcare and the Internet in their work Monitor the performance of official duties of the medical personnel reporting to them Use personal data of patients and confidential medical information as part of one's work IPC 7.3 Practical experience in: Drawing up a work plan and a report on one's work Maintaining medical records, including in the form of an electronic document</p>	<p>PS 02.005 Dentist</p>
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			Control of the performance of official duties by medical personnel reporting to them Use of information systems in the field of healthcare and the Internet Use personal data of patients and confidential medical information as part of one's work	
Type of tasks of professional activity: pedagogical				
PC category: sanitary and hygienic education				
<i>Instructing the population and medical staff on the basic hygienic measures related to health promotion and contributing to the prevention of dental diseases and health improvement</i>	Individuals (patients), the population, a set of tools and technologies used in the provision of dental care and aimed at creating conditions for the protection of citizens' health	PC-8. Ability to conduct sanitary and hygienic education aimed at the population, train patients and medical staff in order to prevent the occurrence (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions of their occurrence and development	IPC 8.1 Knowledge of: Forms and methods of sanitary and hygienic education aimed at patients (their legal representatives), medical staff Features of specific and non-specific prevention of dental diseases The main hygienic measures of a health-improving nature that promote health and prevent the occurrence of dental diseases Etiology, pathogenesis, prevention of dental diseases Fundamentals of preventive medicine Methods and forms of communication organization, techniques and methods of involving the population in promotion hygienic measures of a health-improving nature Psychological and pedagogical bases and methods of application of technical means of training, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies Educational technologies and methods of teaching patients and medical staff IPC 8.2 Ability to:	PS 02.005 Dentist

			<p>Plan, organize and carry out activities within the framework of sanitary and hygienic education aimed at the population, training of patients and medical staff</p> <p>Carry out sanitary and educational work aimed at children and adults with dental diseases in order to promote a healthy lifestyle and prevent dental diseases</p> <p>Involve the medical personnel at their disposal in planning and developing measures for sanitary and hygienic education aimed at the population, training of patients and medical staff</p> <p>Justifiably use technical means of training, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies</p> <p>Carry out an analysis of the measures taken for sanitary and hygienic education aimed at the population</p> <p>IPC 8.3 Practical experience in:</p> <p>Planning, organizing and conducting events within the framework of sanitary and hygienic education aimed at the population</p> <p>Planning, organizing and conducting training of patients and medical staff</p> <p>Promotion of a healthy lifestyle and prevention of dental diseases</p> <p>Formation of behavior in children and adults (their legal representatives) aimed at preserving and improving the level of dental health</p>	
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4.2. Competence Compliance matrix

The form "Content-logical connections between disciplines (modules), practices of the specialty program" is presented in Appendix 3.

The Competence Compliance Matrix of the specialty program is presented in Appendix 4.

4.3. Passports and competency-development programs

A passport and a program of development are issued for each graduate competence (Appendix 5).

Section 5. STRUCTURE AND CONTENTS OF THE EDUCATIONAL PROGRAM

5.1. The scope of the mandatory part of the educational program

The scope of the mandatory part, excluding the scope of the State Final Certification, should be at least 80 percent of the total scope of the specialty program.

One of the forms of organization of contact work is practical training conducted in the form of practical training, practical (clinical practical), laboratory classes, seminars on disciplines, classes within the framework of practices at clinical bases, at the federal accreditation center, laboratories of the SamSMU.

Practical training for EP HE 31.05.03 Dentistry is provided via the participation of students in the implementation of medical activities on the basis of practical training agreements in accordance with the legislation of the Russian Federation and the Regulations on the practical training of students at the FSBEI HE SamSMU MOH Russia.

5.2. Types of practices

Block 2 "Practice" includes educational and work practices (hereinafter together - practices).

The SamSMU provides all types of educational and work practices from the list specified in paragraph 2.4 of the Federal State Educational Standard.

Types of educational practice:

- introductory practice;
- practice in obtaining primary professional skills and abilities in the positions of mid-level medical personnel;
- research work (obtaining primary skills of research work);

Types of work practice:

- practice in obtaining professional skills and professional experience (in preventive dentistry, therapeutic dentistry, surgical dentistry, orthopedic dentistry, pediatric dentistry);
- clinical practice in general dentistry;
- research work.

AC– When choosing places for internships for the disabled people and persons with health problems, the recommendations of the medical and social expertise reflected in the

individual rehabilitation program of the disabled person regarding the recommended conditions and types of work are taken into account. If necessary, special workplaces are created for internships in accordance with the nature of the disorder, taking into account the professional type of activity and the nature of work performed by the disabled student.

5.3. Curriculum and calendar training schedule

The curriculum shows the logical sequence of mastering and distribution by training periods of the blocks of educational support that ensure the formation of competencies (Appendix 6).

Structure of the specialty program

Program structure		The scope of the program and its blocks in c.p.
Block 1	Disciplines (modules)	273 c.p.
	Mandatory part	234 c.p.
	The part formed by the participants in educational relations	39 c.p.
Block 2	Practices	24 c.p.
	Mandatory part	24 c.p.
Block 3	State Final Certification	3 c.p.
	Preparation for the state exam and the state exam	3 c.p.
The scope of the specialty program		300 c.p.

The sequence of implementation of the EP for the specialty 31.05.03 Dentistry by year (including theoretical training, practices, interim and state final attestation, vacations) is presented in the calendar training schedule.

5.4. Working programs of disciplines (modules) and practices

EP HE 31.05.03 Dentistry provides for the implementation of:

- disciplines (modules) in philosophy, history (history of Russia, general history), foreign language, life safety within the framework of Block 1 "Disciplines (modules)";
- disciplines (modules) in physical training and sports in the amount of at least 2 c.p. within Block 1 "Disciplines (modules)"; in the amount of 328 academic hours, which are mandatory for mastering, are not transferred to c.p. and are not included in the scope of the specialty program as part of elective disciplines (modules).

EP HE provides for the possibility of mastering elective disciplines (modules) and optional disciplines (modules).

Optional disciplines (modules) are not included in the scope of the specialty program. The list of approved working programs of disciplines (modules) is attached (**Appendix 7**).

The list of approved working programs of practices is provided in the **Appendix 8**.

5.5. Assessment tools for interim certification in disciplines (modules) and practices

The Fund of Assessment Means (FAM) is part of the regulatory and methodological support of the system for assessing the quality of learning by students, it contributes to the implementation of the quality assurance of education.

The FAM is built on the basis of professional tasks formulated in the FSES HE, taking into account the work functions, competencies and activities of the student.

The Fund of Assessment Means of disciplines (modules), practices defines the procedure of current and interim certification in disciplines (modules), practices. These types of assessment serve as the main means of providing "feedback" between the teacher and the student in the educational process, necessary to stimulate the work of students and improve the teaching methods of disciplines (modules), practices.

The ongoing certification is an assessment of the educational material assimilation, carried out regularly throughout the semester. Interim certification, as a rule, is carried out at the end of the semester and can mark the completion of a discipline or its section (sections).

The forms of ongoing and interim assessment include: interview, colloquium, test, differentiated test, exam (by discipline (module), test, written test, essay and other creative tasks, abstract, report (on practices, research work of students, etc.), term paper (project), etc.

To certify students for compliance of their personal achievements with the step-by-step requirements of the relevant educational program (ongoing and interim certification), evaluation means have been developed, including test questions and standard tasks for practical classes; laboratory work and written tests; colloquiums; tests (differentiated tests) and exams; tests and computer testing programs; sample topics of coursework, essays and abstracts. These forms of evaluation tools allow to assess the degree of development of students' competencies.

Funds of Assessment Means for conducting ongoing assessment and interim certification are provided in the EMCD and EMCP, and examples of evaluation tools are contained in the working programs of disciplines (modules) and practice programs.

In order to bring the ongoing monitoring of academic performance and interim certification of students closer to the tasks of their future professional activity, the SamSMU has created conditions for attracting external experts employed as managers and employees of organizations whose activities are related to the focus (profile) of the implemented specialty program to the procedures of ongoing monitoring of academic performance and interim certification, as well as the examination of evaluation tools (they must have at least 3 years of work experience in this professional field), as well as scientific and pedagogical workers in related educational fields.

Examples of evaluation tools for interim certification

Examples of situational tasks

1. Patient P., 25 years old, went to the clinic with complaints of spontaneous acute radiating pain in the tooth 2.2 and pain caused by various kinds of irritants, which does not go away for a long time after they are removed. From the patient history: the pain appeared 3 days ago.

External examination: There is no facial asymmetry. Nasal labial and mental folds are pronounced. Movements of the TMJ are smooth, full volume. The mucous membrane of the vestibule and the oral cavity itself are without visible pathological changes, moist, shiny, pale pink in color. The bite is orthognathic. Locally: on the palatal surface of the tooth 2.2 there is an incompetent restoration made from light-cure composite material, occupying $\frac{1}{2}$ of the surface. The reaction to temperature stimuli is painful. Percussion is weakly sensitive. The tooth is stable.

- 1) Establish a preliminary diagnosis.
- 2) List the necessary additional tests.
- 3) Establish a differential diagnosis and a final diagnosis.
- 4) Develop a treatment plan.

2. Patient A., 32 years old, complains of constant, acute pain in the tooth 3.6, the feeling of an "growing tooth". The pain appeared 3 days ago after tooth treatment for chronic gangrenous pulpitis. The transitory fold in the projection area of the root ends 3.6 is hyperemic, painful when palpated. On the masticatory surface 3.6 there is a restoration made of a light-cure composite material, occupying $\frac{1}{2}$ of the surface. Vertical percussion of the tooth is acutely painful. The tooth is mobile, there is no reaction to temperature stimuli. EOD-110 mcA. On the X-ray, there is no filling material in the medial canals, the distal canal is unevenly sealed for $\frac{3}{4}$ of the length.

- 1) Establish a preliminary diagnosis.
- 2) Specify the etiological factors of this pathology.
- 3) Develop a treatment plan.
- 4) What is the prognosis for the disease?

3. Parents with a 9-year-old child came to the dentist with complaints about a broken tooth crown 2.1.

From the patient record: a week ago, an injury occurred as a result of a fall from a bicycle. During meals, there are painful sensations when taking hot, cold, solid food. When probing the fracture line 2.1. an opening into the tooth cavity is detected, probing at the point of the opening is painful.

Objectively: CPUt=2, KPUp=4, IGRU = 1,2 (TN=1,0, TC=0,2), CPI =1,5. Bite: the ratio of the first molars is class I based on Angle classification, protrusion 1.1., 2.1.

1. Establish a preliminary diagnosis
2. Select additional tests
3. Develop a treatment plan
4. Specify the prognosis for the disease

4. Patient R., 40 years old, wishes to keep the 2.6 tooth, since it provides the support for the prosthetic bridge between the 2.3 and the 2.6 tooth. Locally: there is a fistula with a

purulent discharge on the mucous membrane at the level of the medial buccal root. During an X-ray examination of the tooth 2.6 the opacity of the filling material are determined throughout the palatal and distal roots, the medial buccal root has the same opacity at the canal orifice, and in the area of the root end there is a rarefaction of bone tissue without clear boundaries, measuring 0.3×0.2 cm.

1. Establish a diagnosis.
2. Which surgical method can be used to save the tooth 2.6?
3. Describe the course of the selected surgical intervention.

5. Patient A., 55 years old, went to the clinic complaining of the inability to use a partial removable laminar prosthesis on the upper jaw, pain when chewing.

There are no complaints related to the TMJ.

From the patient record: Prosthetics using a partial removable laminar prosthesis of the upper jaw performed 6 years ago due to the partial absence of teeth as a result of complicated caries. The patient was happy with the prosthetics. After the prosthesis became damaged, the patient started to feel the pain under the prosthesis.

Patient record: chronic gastrointestinal diseases, hypertension.

Objectively: The general condition is satisfactory. External examination: there is no facial asymmetry. Nasal labial and mental folds are pronounced. Movements of the TMJ are smooth, full volume The mucous membrane of the oral cavity in the area of the prosthesis repair is hyperemic, and in the area of the transitory fold there is an ulcer with raised infiltrated edges. The ulcer base is covered with saburra. During palpation, the edges of the ulcer are soft, painless.

Dental formula

	0	0	0	0	0							0	0	0	
18	17	16	15	14	13	12	11	21	22	23	24	25	26	27	28
48	47	46	45	44	43	42	41	31	32	33	34	35	36	37	38
0												0			0

Atrophy of the alveolar process is uniform, the maxillary prominence on the left is weakly expressed.

The palate vault is flat. On examination of the prosthesis, its unsatisfactory hygiene was noted (there is a lot of soft plaque on the prosthesis at the prosthetic bed, the plastic changed color, plastic teeth are eroded). When installing a prosthesis in the oral cavity, there is a mismatch between boundaries, the prosthesis balances during meals and during conversation.

1. Establish a diagnosis.
2. Prepare a treatment plan.
3. What is the prognosis

Sample test tasks

1. Specify the correct answer:

Spontaneous paroxysmal pain, lasting up to 30 minutes, aggravated by cold stimuli and growing worse at night, is characteristic of:

1. acute focal pulpitis
2. acute diffuse pulpitis
3. chronic fibrous pulpitis
4. chronic gangrenous pulpitis

2. Specify the correct answer:

Is it possible to use corticosteroid-based pastes as pulp caps for advanced caries?

- 1) yes, because they reduce the inflammation of the pulp that accompanies advanced caries
- 2) no, because they inhibit the protective reaction of the pulp
- 3) yes, because they have a desensitizing effect
- 4) no, because they irritate connective tissue

3. Specify the correct answer:

The basic parts of the treatment for initial caries are:

- 1) hygienic and dietary regimens
- 2) topical application of fluoride preparations
- 3) restorative treatment
- 4) mineralizing solutions (remineralizing therapy)

4. Specify the correct answer:

The effect of local fluorization is based on:

- 1) the activity of remineralization processes, reduction of solubility and permeability of enamel, formation of fluoroapatite
- 2) the improvement of the tooth trophism
- 3) the bactericidal action of fluorine
- 4) the strengthening of the enamel's protein matrix

5. Specify the correct answer:

Differential diagnostic signs of advanced caries are:

- 1) pain caused by chemical stimuli, defect located in the deep layers of dentin, painful probing
- 2) pain when food enters the cavity, defect of the middle layers of dentin, painful probing in the area of the enamel-dentin border
- 3) pain caused by thermal stimuli, which passes quickly after the removal of the stimulus, a cavity in the deep layers of dentin, probing that is painful all over the base
- 4) pain caused by thermal stimuli, which lasts for a long time after the removal of the stimulus, a cavity in the deep layers of dentin, probing that is painful at one point

6. Specify the correct answer:

Which of the root canals of the upper first molar presents the greatest difficulties for reaching the apical foramen and preparation for the filling:

1. palatal
2. medial buccal
3. distal buccal

2. medial lingual

7. An occlusiogram is used to determine:

Choose one answer:

1. jaw positions
2. the number of missing teeth
3. endurance of periodontal tissues
occlusal height
4. mobility of teeth
5. occlusal contact

8. The causative agent of epidemic parotitis is:

Choose one answer:

1. fusobacteria
2. staphylococcus
3. diplococcus
4. filter virus
5. streptococcus
6. non filter virus

9. The cause of the development of traumatic osteomyelitis of the jaw is:

Choose one answer:

1. complicated growth of the wisdom tooth
2. unsatisfactory reposition and immobilization of fragments
3. acute lymphadenitis
4. the strength and direction of the damaging factor
5. injury caused by a badly made prosthesis
6. patient's age

10. The cause of acute odontogenic periostitis of the jaws is most often:

Choose one answer:

1. premolars
2. incisors
3. molars
4. cuspidate teeth

5.6. The program of the State Final Certification

The State Final Certification is the final stage of assessing the formation of universal, general professional and professional competencies. The State Final Certification is aimed at establishing the compliance of the level of professional training of graduates with the requirements of the Federal State Educational Standard of Higher Education and PS.

A student who has no academic backlog and has fully completed the curriculum or an individual curriculum for the higher education is allowed to proceed to the State Final Certification.

The State Final Certification includes preparation for and the state exam.

The procedure for conducting the SFC (types, stages and means of certification activities) is determined by the "Regulations on the Procedure for conducting the SFC for the SamSMU graduates".

The program of the State Final Certification, including the program of the state exam and the requirements for the final qualifying work, is presented in Appendix 9.

Section 6. CONDITIONS FOR THE IMPLEMENTATION OF EDUCATIONAL ACTIVITIES UNDER THE EDUCATIONAL PROGRAM

6.1. Requirements for the conditions of implementation of the educational program

The requirements for the conditions for the implementation of EP HE include system-wide requirements, requirements for logistical and educational support, requirements for personnel and financial conditions for the implementation of EP HE, as well as requirements for the applied mechanisms for assessing the quality of educational activities and training of students of the EP HE.

6.2 System-wide requirements

The SamSMU provides the logistical and technical support for educational activities (premises and equipment) for the implementation of the specialty program in Block 1 "Disciplines (modules)" and Block 3 "State Final Certification" in accordance with the curriculum.

Educational and methodological documentation is available for all disciplines (modules), practices of the EP HE. The contents of the working programs of each of the academic disciplines (modules), practice programs are presented on the University's website.

Each student over the entire period of study is provided with individual unrestricted access to the electronic information and educational environment of the SamSMU from any point with an Internet connection, both on the territory of SamSMU and outside it.

The electronic information and educational environment of the SamSMU provides:

- access to curricula, working programs of disciplines (modules), practices, electronic educational publications and electronic educational resources specified in the working programs of disciplines (modules), practices;
- formation of the student's electronic portfolio, including the preservation of their projects and grades.

In case of the implementation of EP HE with the use of e-learning, distance learning technologies, the electronic information and educational environment of the SamSMU provides:

- record of the course of the educational process, the results of interim certification and the results of mastering the specialty program;
- conducting training sessions, procedures for evaluating learning outcomes, whose implementation includes the use of e-learning, distance learning technologies;
- interaction between participants of the educational process, including synchronous and (or) asynchronous interaction via the Internet.

The functioning of the electronic information and educational environment is ensured via appropriate means of information and communication technologies and the qualifications of employees who use and support it. The functioning of the electronic information and educational environment complies with the legislation of the Russian Federation.

6.3. Requirements for logistical and educational support

The premises are classrooms for conducting training sessions provided for by the specialty program, equipped with equipment and technical means of training, whose composition is determined by the working programs of disciplines (modules).

The premises for independent work of students are equipped with computers that are connected to the Internet and provide access to the electronic information and educational environment of the SamSMU.

It is allowed to replace the equipment with its virtual counterparts.

The implementation of the EP HE provides for the use of active and interactive forms of classes in the educational process in combination with extracurricular work. The proportion of classes conducted in interactive forms is determined by the specific characteristics and contents of specific disciplines (modules).

The SamSMU has the necessary set of licensed and free software, including software developed nationally (the composition is determined by the working programs of disciplines (modules), practices and is subject to updating if necessary).

For printed publications used in the educational process, the library fund is equipped with printed publications at the rate of at least 0.25 copies of each of the publications specified in the working programs of disciplines (modules), practices, per student taking into consideration all the students simultaneously mastering the relevant discipline (module) or undergoing the appropriate practice.

Students are provided with access (remote access), including in the case of e-learning, distance learning technologies, to modern professional databases and information reference systems, whose composition is determined by the working programs of disciplines (modules) and is subject to updating (if necessary).

AC - Students with disabilities are provided with printed and (or) electronic educational resources in forms adapted to their specific requirements.

The logistical and technical support of the educational process at the University is improving and is represented by special classrooms (classes) equipped with special technical means for conducting classes with disabled people and persons with health issues.

6.4. Requirements for the staffing of the program implementation

The implementation of the specialty program is provided by the teaching staff of the SamSMU, as well as by persons involved in the implementation of the specialty program on the basis of other employment terms.

The qualification of the teaching staff of the SamSMU meets the qualification requirements specified in the qualification reference books and (or) professional standards.

At least 70 percent of the teaching staff of the SamSMU participating in the implementation of the specialty program, and persons involved in the implementation of the

specialty program on the basis of other employment terms (based on the number of staff positions rounded to integer values), conduct scientific, educational, methodological and (or) practical work corresponding to the profile of the discipline (module) being taught.

At least 5 percent of the teaching staff of the SamSMU participating in the implementation of the specialty program, and persons involved in the implementation of the specialty program on the basis of other employment terms (based on the number of staff positions rounded to integer values), are managers and (or) employees of other organizations working in the professional area corresponding to professional activity that graduates are preparing for (they have at least 3 years of work experience in this professional field).

At least 60 percent of teaching staff of the SamSMU and persons involved in the educational activities of the SamSMU on the basis of other employment terms (based on the number of staff positions rounded to integer values) have an academic degree (including an academic degree obtained in another country and recognized in the Russian Federation) and (or) an academic title (including an academic title obtained in another country and recognized in the Russian Federation).

6.5. Requirements for the financial conditions of the program implementation

Financial support for the implementation of the specialty program is carried out in an amount not lower than the values of the basic cost standards for the provision of public services for the implementation of educational programs of higher education - specialty programs and the values of the correction coefficients to the basic cost standards determined by the Ministry of Education and Science of the Russian Federation.

6.6. Requirements for the applied mechanisms for assessing the quality of educational activities and training of students as part of the educational program

The quality of educational activities and training of students under the specialty program is determined within the framework of the internal evaluation system, in which the SamSMU participates on a voluntary basis.

In order to improve the specialty programs, when conducting a regular internal assessment of the quality of educational activities and training of students under the specialty program, the SamSMU attracts employers and (or) their associations, other legal entities and (or) individuals, including teaching staff of the SamSMU.

Within the framework of the internal system for assessing the quality of educational activities under the specialty program, students are given the opportunity to assess the conditions, contents, organization and quality of the educational process as a whole and individual disciplines (modules) and practices.

External assessment of the quality of educational activities under the specialty program within the framework of the state accreditation procedure is carried out in order to confirm the compliance of educational activities under the specialty program with the requirements of the Federal State Educational Standard.

External assessment of the quality of educational activities and training of students under the specialty program can be carried out within the framework of professional and public accreditation conducted by employers, their associations, as well as organizations authorized by them, including international organizations, or authorized national

professional and public organizations that are part of international structures, in order to recognize the quality and level of training of graduates responsible the requirements of professional standards (if any) and (or) the requirements of the labor market for specialists of the relevant profile.

The list of professional standards correlated with the Federal State Educational
Standard for
the specialty 31.05.03 Dentistry

No.	Professional Standard Code	Name of the professional standard
02 Healthcare		
1.	02.005	Professional standard "Dentist" approved by the Order of the Ministry of Labor and Social Protection of the Russian Federation No. 227n dated 10 May, 2016 (registered by the Ministry of Justice of the Russian Federation on 2 June, 2016, registration No. 42399)

The list of generalized work functions and work functions related to the professional activity of a graduate of the program for the specialty 31.05.03 Dentistry.

Code and name of the professional standard	Generalized labor function			Labor functions		
	Code	Name	Qualification level	Name	Code	Qualification level (sublevel)
02.005 Dentist	A	Providing medical care for dental diseases	7	Conducting a patient examination in order to establish a diagnosis	A/01.7	7
				Prescribing, monitoring the effectiveness and safety of non-medication and drug treatment	A/02.7	7
				Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	A/03.7	7
				Conducting and monitoring the effectiveness of sanitary and anti-epidemic and other preventive measures to protect public health	A/04.7	7
				Conducting sanitary and hygienic education aimed at the population and medical staff in order to promote a healthy lifestyle	A/05.7	7
				Organizational and managerial activities	A/06.7	7