

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

УТВЕРЖДАЮ

Ректор ФГБОУ ВО СОГМА Минздрава России

«17» april 2024 г.

**WORKING PROGRAM OF THE DISCIPLINE
DENTISTRY: PROSTHETICS (SIMPLE PROSTHETICS)**

the main professional educational program of higher education is the specialty program in the specialty 31.05.03 Dentistry, approved on 17.04.2024.

Form of education _____ full - time _____

Term of development МРЕР HE _____ 5 years _____

Chair _____ dentistry № 1 _____

Vladikavkaz, 2024

When developing the educational training programme, the discipline is based on:

1. Federal State budget educational standards of Higher Education on specialty 31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation. August «12», 2020 N984

2. The curriculum for specialty 31.05.03 Dentistry,

СТОМ-21-01-21

СТОМ-21-02-22

СТОМ-21-03-23

СТОМ-21-04-24

approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation, 17.04.2024, protocol № 6

The educational training programme of the discipline was approved at the meeting of the department on 27.03.2024, protocol №7

The educational training programme of the discipline was approved at the meeting of the central coordinating training and methodological council from 02.02.2024, Protocol № 4

The educational training programme is approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education «North-Ossetia State Medical Academy» of the Ministry of Healthcare of the Russian Federation, 17.04.2024, protocol № 6

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CONTENT OF THE WORK PROGRAM

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

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

№ n /	a Number / index of competence	Content of the competence (or part thereof)	Topic of the lesson (section)	Indicators of achievement of competencies	Results of mastering		
					know	be able	to master
1	2	3	4	5	6	7	8
	PC-6	Organizational and managerial activities	<ol style="list-style-type: none"> 1. Organization of orthopedic dentistry clinics. Familiarization with the work and equipment of the dental laboratory. 2. Documentation of the orthopedic dentistry clinic. Medical history (outpatient card of a dental patient form 043.Y) – its structure, filling rules, and value.. 	ID-3 Fill out medical documentation and monitor the quality of maintaining medical documentation ID-4 Draw up documentation necessary for conducting medical and social expertise ID-5 Work in information and analytical systems (Unified State Information System of Healthcare) ID-6 Draw up a work plan and report on their work ID-7 Analyze the quality and effectiveness of maintaining medical and social expertise ID-5 Work in information and analytical systems (Unified State Information System of Healthcare) ID-6 Draw up a work plan and report on their work ID-7 Analyze the quality and effectiveness of conducting	<ol style="list-style-type: none"> 1. medical and social expertise Organization of the orthopedic dentistry clinic 2. Documentation of the orthopedic dentistry 	<ol style="list-style-type: none"> 1. clinic Organize the workplace of the orthopedic dentist 2. Fill out the medical documentation of the orthopedic dentist 	<ol style="list-style-type: none"> 1. with the basics of deontology and ergonomics 2. Skills of filling out medical documentation.
	OPK-5	is able to conduct a patient's examination in	<ol style="list-style-type: none"> 1. Method of examination of patients with defects in hard tissues of teeth 	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.	<ol style="list-style-type: none"> 1. Diagnostic methods in orthopedic dentistry 	<ol style="list-style-type: none"> 1. Conduct diagnostics in orthopedic dentistry 	<ol style="list-style-type: none"> 1. Diagnostic methods in orthopedic dentistry

		order to establish a diagnosis when solving professional problems	<p>and dentition in the clinic of orthopedic dentistry.</p> <ol style="list-style-type: none"> 2. Methods for determining the functional state of the dentoalveolar system (clinical, functional (laboratory) and static). 3. Features of examination and laboratory methods of examination of patients with partial absence of teeth 	<p>ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics.</p> <p>ID-3 OPK-5 Master the algorithm of clinical-laboratory and functional diagnostics in solving professional problems.</p> <p>ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.</p>	<ol style="list-style-type: none"> 2. History collection methodology in the clinic of orthopedic dentistry 3. Clinical examination methods 	<ol style="list-style-type: none"> 2. Collect anamnesis in the clinic of orthopedic dentistry 3. Conduct clinical examination 	<ol style="list-style-type: none"> 2. The method of collecting anamnesis in the clinic of orthopedic dentistry 3. History collection methodology in the clinic of orthopedic dentistry Clinical examination
	PC-3	Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	<ol style="list-style-type: none"> 1. Treatment of hard tissue pathology manage your tabs. Classification of tabs by manufacturing method, material, and design. 2. Dental crown defects, classification. Types of dentures that restore the anatomical shape of teeth. 3. Defects of dentition, their classification. 	<p>ID-1 Develop a rehabilitation plan for patients with diseases of the maxillofacial region</p> <p>ID-2 Carry out rehabilitation measures for diseases of the maxillofacial region</p> <p>ID-3 Apply methods of comprehensive rehabilitation of patients with dental diseases, taking into account the general condition of the body and the presence of concomitant pathology</p> <p>ID-4 Apply personal protective</p>	<ol style="list-style-type: none"> 1. equipment Methods of treating pathology of hard tissues of teeth with tabs. Classification of tabs by manufacturing method, material, and design. 2. Methods of treatment of dental crown defects, classification. Types of dentures that restore the anatomical shape of teeth. 3. Methods of treatment of 	<ol style="list-style-type: none"> 1. Determine the method of treatment of dental hard tissue pathology with inlays. Classification of tabs by manufacturing method, material, and design. 2. Determine the method of treatment of dental crown defects, classification. Types of dentures that restore the anatomical shape of teeth. 	<ol style="list-style-type: none"> 1. A method of treating dental hard tissue pathology with inlays. Classification of tabs by manufacturing method, material, and design. 2. Methods of treatment of dental crown defects, classification. Types of dentures that restore the anatomical shape of teeth. 3. Methods of treatment of dentition

					dentition defects, their classification.	3. Choose the method of treatment of dental defects, their classification.	defects, their classification
	OPK-5	is able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	1. Methods for determining the functional state of the dentoalveolar system (clinical, functional (laboratory) and static).	ID-1 OPK-5 Master the algorithm of clinical examination of the patient. ID-2 OPK-5 Be able to draw up a plan for laboratory and instrumental diagnostics. ID-3 OPK-5 Master the algorithm of clinical-laboratory and functional diagnostics in solving professional problems. ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	1. Fundamentals and principles of evidence-based medicine 2. Basics of working with medical search engines	1. Analyze information obtained when working with medical search engines	1. Skills of public speaking in a professional environment

3. Place of the discipline in the structure of educational programs

Discipline " Prosthetics (simple prosthetics)" it belongs to the mandatory part of Block 1 of the Federal State Educational Standard for Higher Education in the specialty "Dentistry"

Types of professional activities that students who have mastered the discipline program are preparing for:

Medical.

Organizational and managerial information.

Scientific and research organization.

4. Scope of the discipline

№ n /	a Type of work	Total credits	Total hours	Semesters		
				5	6	
				hours	hours	
1	2	3	4	5	6	
1	Students ' contact work with the teacher (total), including:	-	122	78	44	
2	Lectures (L)	-	18	12	6	
3	Clinical Practice sessions (PZ)	-106	106	66	38	
4	Seminars (S)	-	-	-	-	
5	Laboratory work (LR)	-	-	-	-	
6	Independent work of the student (SRS)	-	58	30	28	
7	Type of intermediate assessment	credit (H)	-	-	-	
		exam (E)	-	36	-	36
8	TOTAL: Total labor	intensity of hours	-	216	108	108
		Z	6		3	3

5. Content of the discipline

№n /	a n /	a semester Name of the discipline section	Types of educational activities, including independent work of students (in hours)				Current performance monitoring forms (by semester week)
			L	PZ	SRS	Only	
1	5	Organization of orthopedic dentistry clinic. Familiarization with the work and equipment of the dental laboratory. Documentation of the orthopedic dentistry clinic. Medical history (outpatient card of a dental patient form 043.Y) – its structure, filling rules, and value.	0.5	3	2	5.5	S, TK, NW, UZ
2	5	Method of examination of patients with defects in hard tissues of teeth and dentition in the clinic of orthopedic dentistry. Methods for determining the functional state of the dentoalveolar system (clinical, functional (laboratory) and static).	0.5	3	2	5.5	S, NW,
US 3	5	Articulation, occlusion and its types. Physiological types of bite. Method for determining the central occlusion and the central ratio of the jaws. Devices that reproduce the movements of the lower jaw.	1	3	2	6	S, TK, NW, UZ
4	5	Rules for preparing hard dental tissues. Types and justification of the choice of grinding tools. Methods of anesthesia during preparation. Impression materials. Methods of obtaining anatomical impressions and criteria for assessing their quality.	1	3	2	6	S, TK, NW, UZ
5	5	Treatment of pathology of hard tissues of teeth with inlays. Classification of tabs by manufacturing method, material, and design. Principles of cavity preparation for various types of cavities (MOD). Tab retention zones. Parapulpal channels and pins. Indirect method for making tabs. Obtaining a double refined impression with parapulpal pins.	1	3	2	6	S, NW, UZ
6	5	Method of orthopedic treatment with cast inlays, ceramic inlays, photocomposites and glass ceramics. Design features of the tab depending on the IOPZ. The principle of preparing cavities in class 1 and 2 according to the type of tabs. Direct and indirect methods for making tabs. Clinical and laboratory stages of manufacturing. Obtaining a double impression: two-phase and single-phase method.	0,5	5	2	7,5	S, TK, NW,

US 7	5	Defects of dental crowns, classification. Types of dentures that restore the anatomical shape of teeth. Artificial crowns, their types, indications for use. Clinical requirements for artificial crowns.	1	5	2	8	S, NW, UZ
8	5	Stamped metal crown. Clinical and laboratory stages of manufacturing. Alloys used for stamped crowns. Modeling materials.	0.5	5	1	6.5	S, NW, UZ
9	5	Solid-cast metal crowns and solid-cast crowns with facing (cermet, metal-plastic). Features of dental preparation. Clinical and laboratory stages of manufacturing. Construction materials. Method of obtaining a double impression. Laboratory stages of manufacturing solid-cast, cermet, and metal-plastic crowns.	0.5	5	2	7.5	S, NW, UZ
10	5	Plastic and porcelain crowns. Features of dental preparation. Clinical and laboratory stages of manufacturing. Plastics and porcelain masses.	0.5	4	2	6.5	S, NW, UZ
11	5	Method of storing various types of artificial crowns. Methods of final finishing (processing) of crowns.	0,5	4	2	6.5	S, NW, UZ
12	5	Methods of restoring defects in tooth crowns with pin structures. Pins. Classification. Indications for use. Clinical and laboratory stages of manufacturing. Pin teeth. Pin stump tabs, manufacturing methods, materials used for manufacturing. Indications for manufacturing. Clinical and laboratory stages of manufacturing.	1	4	1	6	S, NW, UZ
13	5	Defects of dentition, their classification. Features of clinical examination of patients. Orthopedic treatment of dentition defects with bridge-like prostheses. Types of bridge prostheses, structural elements. Justification of the choice of the bridge prosthesis design. The nature of the distribution of functional load on the supporting teeth. Features of preparation of supporting teeth for various types of bridge prostheses.	1	4	2	7	S, NW, UZ
14	5	Bridge prostheses with support stamped crowns (soldered). Clinical and laboratory stages of manufacturing. Technological techniques (soldering, bleaching, finishing, sanding, polishing).	0.5	4	2	6.5	S, NW, UZ
15	5	Solid cast, cermet and plastic-metal bridge prostheses. Clinical and laboratory stages of manufacturing.	1	4	1	6	S, NW, UZ
16	5	Bridge prostheses with one-sided support	0.5	4	2	6.5	S, NW, UZ

		(cantilever). Indications and contraindications for use. Composite bridge prostheses.					
17	5	Supply of bridge prostheses of various designs for supporting teeth. Criteria for evaluating the quality of a bridge prosthesis. Fixation in the oral cavity. Possible complications when using bridges. Methods of prevention and elimination of causes.	0,5	3	1	4,5	S, NW,
US 1	6	Features of examination and laboratory methods of studying patients with partial absence of teeth. Justification of the diagnosis.	0,4	2	1	3,4	S, NW,
US 2	6	Clinical and functional methods of evaluation of prosthetic bed tissues. Pliability and pain sensitivity of the mucous membrane.	0,4	2	1	3,4	
3	6	Indications for the use of removable plate prostheses and clinical and laboratory stages of manufacturing. Types of removable dentures and their structural elements.	0,4	2	1	3,4	S, NW,
US 4	6	Plate prostheses. Boundaries of the base of a removable plate prosthesis. Getting impressions (anatomical and functional). Impression materials.	0,4	3	2	5,4	S, NW,
US 5	6	Method for determining the central occlusion and the central ratio of the jaws. Clinical guidelines for the selection and placement of artificial teeth.	0,4	3	2	5,4	S, NW, US
6	6	Methods of fixing removable dentures. Types of clasps and their components. Selection of the number, location and condition assessment of teeth for clamp fixation. Clamp line.	0,4	3	1	4,4	S, NW
, US 7	6	Artificial teeth, their types. Selection of artificial teeth. Indications for setting teeth "on the counter".	0,4	2	2	4,4	S, NW,
US 8	6	Clinical stage of checking the design of a removable plate prosthesis (method and sequence of implementation). Possible errors detected at this stage, and methods for their elimination.	0	2	2	4	S, NW, UZ
9	6	Types of gypsum boards. Polymerization methods. Possible consequences of violations of the polymerization regime, their prevention	0,4	2	2	4,4	S, NW
, US 10	6	Fitting and applying the plate prosthesis. Control of occlusal-articulatory relationships in all types of occlusion.	0,4	2	2	4,4	S, NW,

US 11	6	Adaptation to removable dentures. Instructions to the patient about the rules of using removable plate prostheses. Correction of removable dentures.	0,4	2	2	4,4	S, TK, NW, UZ
12	6	Causes of breakdowns of plate prostheses. Types and methods of performing repairs to plate prostheses (breaking off the edge of the base, breaking or cracking the base, setting additional artificial teeth, breaking off the shoulder or transferring the clamp).	0,4	2	2	4,4	S, NW, UZ
13	6	Indications for the manufacture of double-layer, metal, metallized bases. Manufacturing technology.	0,4	2	2	4,4	S, TK, NW
, US 14	6	"Supported" prostheses (clasp and removable bridge). Indications for use. Structural elements, their purpose and location in relation to the tissues of the prosthetic bed.	0,4	3	1	4,4	S, NW, UZ
15	6	Structural and auxiliary materials used in the manufacture of removable dentures.	0,4	2	1	3,4	S, NW, UZ
16	6	Sequence of clinical and laboratory stages in the manufacture of clasp prostheses. Parallelometry and its meaning. Casting technology.	0	2	2	4	S, NW,
US 17	6	Fitting and checking the frame of the clasp prosthesis in the clinic, criteria for evaluating its quality. Clinical stage of fitting and applying the clasp prosthesis. Correction.	0,4	2	2	4,4	S, TK, NW, UZ
Total			18	104	58	180	

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

6. List of educational and methodological support for independent work of students in the discipline

No. /p	Semester no. Semester number	Name of the educational and methodical development
1	5	Guidelines for students to self-study in the discipline "Prosthetics for defects of hard tissues of teeth". Dzgoeva M. G., Khetagurov S. K., Mrikaeva M. R.
2	6	Practicum for practical classes in orthopedic dentistry for students of the Faculty of Dentistry. Dzgoeva M. G., Khetagurov S. K.
3	6	Clinic, diagnosis and treatment of partial tooth loss. Methodological recommendations for practical classes for 3rd-year students. Dzgoeva M. G., Khetagurov S. K., Mrikaeva M. R.

7. Fund of assessment funds for conducting intermediate certification of students in the discipline

n/	a List of	№	. Assessment	criterion (s)	scale	Name
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	competencies	Semester No	indicator(s) Assessment	Assessment		of the FOS
1	2	3	4	5	6	7
1	PC-6 OPK-5 PC-3	5	see standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 of the Federal State Budgetary Educational Institution of Higher Professional Education of the Ministry of Health of the Russian Federation dated 10.07.2018 / o	Test tasks; Control tasks.
2	PK-6 OPK-5 PK-3	6	see the standard for evaluating the quality of education, approved by the Ministry of Education and Science of the Russian Federation. By Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the Ministry of Education of the Russian Federation. By Order No. 264 of the Federal State Budgetary Educational Institution of Higher Professional Education of the Ministry of Health of the Russian Federation dated 10.07.2018 / o	Test tasks; Control tasks.

8. List of basic and additional educational literature required for mastering the discipline

Basic literature

n / №	a no. Name	Author(s)	Year, place of publication	Number of copies.		Name of the EBS/ Link in the EBS
				in the bible	to the department.	
1.	Orthopedic dentistry. Applied Materials Science: textbook	by V. N. Trezubov [et al.].	Moscow: MEDpress-inform, 2014	, 30 copies.	-	
2.	Orthopedic dentistry: textbook	Lebedenko	M.: GEOTAR-Media, 2011,2012, 2012	36 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970420881.html
3.	Propaedeutical dentistry: textbook edited by E.	A. Bazikyan	Moscow: GEOTAR-Media, 2008, 2009, 2010	103 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970414804.html

Additional literature

n / №	a no. Name	Author(s)	Year, place of publication	Number of copies.		Name of the EBS/ Link in the EBS
				in bibl.	on the department.	
1.	Orthopedic dentistry : a national guide	edited by I. Y. Lebedenko	, Moscow: GEOTAR-Media, 2016, 824 p.	2 copies.	-	
2.	Propaedeutical dentistry: textbook	by E. S. Kalivrajiya n [et al.].	Moscow: GEOTAR-Media, 2013	2 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970426388.html
3.	Orthopedic dentistry. Propaedeutics and fundamentals of a private course: textbook	Trezubov V. N., Shcherbakov A. S., Mishnev L.	M. Moscow: MEDpress-inform, 2003, 2008	36 copies.	-	
4.	Encyclopedia of orthopedic dentistry	Trezubov V. N., Mishnev L. M.	St. Petersburg: Foliant, 2007	1 copy.	-	
5.	Dental materials science: textbook. manual	V. A. Popkov et al	. Moscow: MEDpress-inform, 2006.5	copies.	-	
6.	Dental instruments: color atlas	Bazikyan E. A.	M.: GEOTAR-Media, 2007	15 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970405918.html
7.	Orthopedic dentistry. (Faculty course): textbook	V. N. Trezubov, A. S. Shcherbakov, L. M. Mishnev	St. Petersburg: Foliant Publ., 2006.	48		



B. Izrael

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

#	Resource name	Address
1	ModernLib-Electronic Library	modernlib.ru
2	Archive of Poly Media Press Publishing	stomgazeta.ru
3	Information resource for medical university	studmedlib.ru
4	Dental Information	denta-info.ru
5	Medical literature on стоматологии.mmbook.ru	mmbook.ru
6	Russian Dental Institute Портал.stom.ru	stom.ru
7	eDentWorld Dental Portal	edentworld.ru
8	Federal Electronic Medical Library (FEMB)	feml.scsml.rssi.ru/feml
9	Electronic books on dentistry.	web-4-u.ru/stomatinfo

10. Guidelines for students on mastering the discipline

Training consists of classroom sessions (122 hours), including a lecture course (18 hours), practical exercises (104 hours), and independent work (58 hours). The main academic time is allocated for practical work on mastering theoretical knowledge, acquiring practical skills and abilities.

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

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

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

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

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

Each student is provided with access to the library collections of the Academy and the Department.

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

During the study of the academic discipline, patients are examined independently, a medical history is drawn up, and an abstract is submitted.

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

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

The student's work in a group creates a sense of teamwork and sociability.

The training of students contributes to the development of communication skills with the patient, taking into account the ethical and deontological features of pathology and patients. Independent work with patients contributes to the formation of professional behavior, responsibility, accuracy, discipline.

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

11. List of information technologies used in the implementation of the educational process in the discipline

The educational technologies used in the study of this discipline include at least 15% of interactive classes from the total volume of classroom classes.\

- simulation, a) non-game simulation technologies, contextual learning; b) game simulation technologies, role-playing business games.

- non-simulation technologies: problem lectures.

Semester	Type of classes L, PR,S,	Educational technologies used (active, interactive)	Number of hours	% of interactive classes	Software list
5, 6	L	Set of slides, videos for a traditional lecture	18	-	Microsoft Office PowerPoint; Internet Explorer
5, 6	PR	Set of questions and tasks for practical tasks, a set of situational tasks for emergency situations, a set of case histories for analyzing clinical cases.	106	20	Microsoft Office Program TestOfficePro
5, 6	S	Questions and tasks for independent work	56	-	Microsoft Office Internet Explorer

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

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

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

The department has three rooms:

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

n/ p	a Equipment Name	Quantity	Technical condition
1	2	3	4
Special equipment			
1	Laptop	1	Good

2	Projector	1	satisfactory
3	Camera	1	Good
4	PC	6	Good
5	Dental installations	3	satisfactory
Phantoms			
1	Dental phantoms	5	satisfactory
Dummies			
1	Preparation jaws	20	satisfactory

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

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

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

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

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