

**Federal State Budgetary Educational Institution higher education
NORTH OSSETIAN STATE MEDICAL ACADEMY Ministry of Health
of the Russian Federation**

by the Rector of the FSBEI of HE
SOGMA Ministry of Health of the
Russian Federation
O. V. Remizov

WORKING PROGRAM OF THE DISCIPLINE

MSH: DISEASES OF THE HEAD AND NECK

the main professional educational program of higher education is the specialty program in the specialty 31.05.03 Dentistry, approved on 30.03.2022.

Form of study full-time

The term of development of OPOP in 5 years
(standard training period)

Department _____ of Dentistry No. 2

VLADIKAVKAZ, 2022

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

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

Curricula of the OPOP VO in the specialty 31.05.03 Dentistry,
Stom -21-01-21

Stom-21-02-22, approved by the Scientific Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia on March 30, 2022, Protocol No. 6

The work program of the discipline was approved at a meeting of the Department of Dentistry No. 2 dated March 22, 2022, protocol No. 1.

The work program of the discipline was approved at a meeting of the central coordinating educational and methodological council on March 22, 2022, protocol No. 4

The work program of the discipline was approved by the Academic Council of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated March 30, 2022, Protocol No. 6

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Content of the work program

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

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

№ n/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
1	UK-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy	Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds.	ID-1UK-1 Analyzes the problem situation and implements it decomposition into separate tasks ID-2UK-1 Develops a strategy for solving problems ID-3UK-1 Forms possible solutions to problems	- methods abstract thinking in establishing the truth, methods of scientific research by mental dismemberment of the object (analysis) and by studying the subject in its integrity, the unity of its parts (synthesis);	-use methods abstract thinking, analysis and synthesis, analyze alternative solutions to research problems and evaluate the effectiveness of the implementation of these options	- the ability to express an independent point of view, analysis and logical thinking, public speech, moral and ethical reasoning, discussions and round tables;
2	UK-6	Able to identify and implement the priorities of their own activities and ways to improve them based on self-assessment and lifelong learning		ID-1UK-6 Assesses own resources and their limits (personal, situational, temporary), uses them optimally for the successful completion of the assigned task ID-2UK-6 Determines the priorities of personal growth and ways improvement of own activity on the basis of self-assessment	- potential strengths and weaknesses personality; - effective ways of self-learning; methods of effective time planning; - major time wasters	- make long-term and short-term plans; - organize your time; - build a portfolio; - plan your life for the period of study in an educational organization	- techniques for analyzing the meaning of life's problems and setting priorities; - planning your professional trajectory

3	OPK-1	Able to implement moral and legal regulations, ethical and deontological principles in professional activities	Diagnostic of the iatrogenia dental patient dental practice. Ergonomics and deontological principles in the treatment of patients with dental diseases	ID-1OPK-1Complies with moral and legal standards in professional activity. ID-2OPK-1Able to assess the social and personal characteristics of the patient and the degree of their influence on the course of the disease ID-3OPK-1 Presents professional information in the process of intercultural interaction, observing the principles of ethics and deontology	- professional ethics and deontology of medical activities; -the role of informed consent	-communicate with patients, colleagues; - work in a team when diagnosing and treating a patient with dental diseases	-communication skills with colleagues and patients
4	OPK- 2	Able to analyze the results of their own activities to prevent professional errors	Non-gunshot fractures of the lower and upper jaws. Classification, clinic, diagnostics. Treatment of jaw fractures. Conservative and surgical methods of immobilization. Indications for application. Nutrition and nursing. Medical and physical methods of treatment of victims. Fractures of the zygomatic bone, zygomatic arch, bones of the nose. Clinic, diagnosis, treatment	ID-1OPK-2Able to analyze errors in the diagnosis and treatment of patients with dental diseases ID-2OPK-2Able to prevent and eliminate complications arising in the treatment of patients with dental diseases	- causes of complications in surgical practice in the treatment of patients with dental diseases, and ways to prevent them; errors that occur in the treatment of a patient with dental diseases, methods for their prevention and elimination	-plan the treatment of a patient with dental diseases; - identify, eliminate and take preventive measures complications in the laziness of patients with dental diseases	-methods of examination of patients with dental diseases

5	OPK-5	Able to conduct an examination of the patient in order to establish a diagnosis in solving professional problems.	Basic and additional methods of examination in the clinic of surgical dentistry. Complications of non-gunshot jaw fractures: traumatic osteomyelitis, delayed consolidation, false joint, malunion of fragments. Etiology, clinic, diagnostics, general principles of treatment. Thermal damage to the maxillofacial area (burns, frostbite, electric shock and high frequency radiation). Clinical picture and treatment.	ID-1OPK-5 Uses the algorithm of clinical laboratory and functional diagnostics when solving professional tasks. ID-2OPK-5 Competently interprets the results of basic and additional examination methods ID-3OPK-5 Uses modern classification for setting the final diagnosis	- methodology for collecting information from dental patients - diagnostic tools and methods for diagnosing dental diseases; - current clinical guidelines in dentistry and the procedure for providing medical care to patients with dental diseases;	- analyze and interpret the information received from patients - conduct examinations of dental patients - interpret the results of instrumental, laboratory examination of patients	- acquisition skills information from dental patients with underlying dental conditions requiring orthopedic treatment. - skills of primary examination in accordance with the current methodology - skills in making a diagnosis of an algorithm for making a detailed clinical diagnosis for patients of different age groups with diseases of the dentoalveolar system - re-examination skills in accordance with the current methodology
8	PK-1	Conducting a survey patient in order to establish diagnosis	The volume and procedure for providing assistance to the wounded at the stages medical evacuation. General provisions on medical examination military personnel. Methods for examining a dental patient: basic, (questioning, examination) additional (computer topography, radioisotope, radiological, functional research),	ID-1A / 01.7 Competently interprets the results of the collection information from patients ID-2A / 01.7 Competently interprets the data of instrumental, laboratory and functional research ID-1A / 01.7 Takes into account the data of consultations of patients by medical specialists ID-1A / 01.7 Establishes the correct final diagnosis of the	-Topographic anatomy of the head, maxillofacial region, features of blood supply, innervation, muscles, lymphatic systems, structure of teeth, periodontium, oral mucosa, - age-related changes maxillofacial area, peculiarities the impact on it of the external and internal environment	- substantiate the need and scope of instrumental and laboratory studies; - justify the need and scope of additional examinations of patients (including radiographs, teleröntgenograms, radiovisiograms, orthopantomograms, tomograms (on film and digital media))	-skills collection of complaints, anamnesis of the disease, life history in dental patients; - Inspection skills palpation,; results reading skills additional laboratory research methods

			laboratory methods, special. Medical record of a dental patient, rules filling. sections of the medical record.	accepted modern international disease classification	- special and additional methods studies for the differential diagnosis of dental diseases; - medical indications and contraindications for the use of X-ray and other methods additional examination;	- conduct physical examinations and interpret their results; - conduct a general clinical examination; - justify the need to refer patients for consultation to specialist doctors	
9	PK-2	Purpose, control of efficiency and safety non-drug and drug treatment	Abscesses and phlegmon of the face and neck. Classification. Etiology. Pathogenesis. clinical picture. Diagnostics. General principles of treatment. Abscesses and phlegmon adjacent to the upper and lower jaws. Phlegmon of the floor of the mouth. Putrid-necrotic phlegmon of the face and neck.	ID-1PK-2 Prescribes drug therapy for diseases in accordance with available medical indications, taking into account the pharmacodynamics and pharmacokinetics drugs ID-2PK-2Prescribes non-drug therapy in accordance with medical indications ID-3 PC-2 Evaluates efficacy and safety medical methods of treatment ID-4 PC-2 Evaluates efficacy and safety non-drug treatments ID-5 PC-2 Analyzes the effect of drugs on combination of their pharmacological effects ID-6 PC-2 Analyzes the effect of non-drug methods of treatment according to the totality of their properties ID-7 PC-2 Compile	-Groups of drugs, their pharmacokinetics, pharmacodynamics, drug compatibility -clinical picture of specific infectious processes in the oral cavity, -basic treatments -device principles and operating rules of modern medical devices and equipment -standards of medical care for specific infectious processes in the oral cavity	-Prescribe drug therapy for specific infectious processes in the oral cavity, taking into account the pharmacodynamics and pharmacokinetics of drugs - evaluate the effectiveness and safety of drug treatments for specific infectious processes in the oral cavity - evaluate the effectiveness and safety of non-drug treatments for specific infectious processes in the oral cavity	- prescribe drug therapy for diseases in accordance with existing medical indications, taking into account the pharmacodynamics and pharmacokinetics of drugs; - compose prescription prescriptions for medicines, write out prescriptions for diseases, pathological processes and conditions. - Skills in providing medical care in emergency cases and urgent forms

				<p>prescriptions for medicines, write out prescriptions for diseases, pathological processes and conditions</p> <p>ID-8 PC-2 Use medicines, medical devices (including dental materials, instruments)</p> <p>ID-10 PC-2 Determines the methods of administration, regimen and dose of drugs</p> <p>ID-11 PK-2 Develops a treatment plan taking into account the course of the disease, selects, prescribes drug therapy, uses methods of non-drug treatment</p>			
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10	PK-4	Carrying out and monitoring the effectiveness of sanitary, anti-epidemic and other preventive measures to protect public health	Sanitary and hygienic standards for the organization of dental surgical care. Algorithm for a preventive dental examination. Complications of odontogenic inflammatory processes of the face and neck.	ID-1 PC-4 Conducts preventive inspections of various categories of citizens ID-2 PC-4 Carries out the prevention of diseases of the teeth, periodontium, oral mucosa, lips, bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint, salivary glands ID-3 PC-4 Performs the prescribed actions when taking anti-epidemic measures in case of infectious diseases (submission of an emergency notification about the focus of infection, identification and monitoring of contact persons) ID-4 PC-4 Uses methods of primary and secondary prevention ID-5 PC-4 Applies methods of organizing primary prevention of dental diseases in any age group ID-6 PC-4 Applies funds personal protection	-Principles of dispensary observation of persons with diseases of hard dental tissues -Features of specific and nonspecific prevention of infectious diseases -Features of prevention of oncopathology - Clinical picture, symptoms of major diseases and borderline conditions of the maxillofacial region in adults and children, their prevention - Fundamentals of preventive medicine aimed at improving the health of the population	-Carry out preventive examinations of various categories of citizens -Prevent caries and non-carious lesions - Apply methods of organizing primary prevention of dental diseases in any age group -use personal protective equipment	-skills in conducting preventive examinations of the population - skills of carrying out measures for the prevention of diseases of hard tissues of teeth - skills to provide qualified medical care in the treatment of caries and its complications using modern methods of prevention approved for use in medical practice - skills of brief counseling on the prevention of caries and its complications
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11	PK-5	Conducting sanitary and hygienic education among the population and medical workers in order to form a healthy lifestyle	Preventive health education dental diseases. Definition, goals, objectives, forms, methods and means of dental education. Materials on dental education and principles for their development	ID-1PK-5 Conducts health and hygiene education among patients (their relatives/legal representatives) and medical workers in order to form a healthy lifestyle ID-2 PC-5 Assesses physical development and functional state of the patient's body ID-3 PC-5 Forms behavior in patients (their relatives/legal representatives) aimed at maintaining and improving the level of health	The main criteria for a healthy lifestyle and methods for its formation Forms and methods of sanitary hygiene education among the population and medical workers Basic hygiene measures health character, conducive to strengthening health and disease prevention	Conduct health and hygiene education among patients (their relatives/legal representatives) and medical workers in order to form a healthy lifestyle Form patients (their relatives/legal representatives) behavior aimed at maintaining and improving health	The skills of teaching hygienic measures of a healthy nature, contributing to the promotion of health and the prevention of the occurrence of diseases of the hard tissues of the teeth. Compliance with the principles of medical ethics and deontology in work with patients (their relatives/legal representatives), colleagues
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2. The place of discipline in the structure of the educational program

The discipline "CHLH: Diseases of the head and neck" is studied in the ninth and tenth semesters and belongs to the basic part of Block 1 of the Federal State Educational Standard of Higher Education in the specialty Dentistry.

The training of students is carried out on the basis of the continuity of knowledge and skills obtained in the course of oral surgery.

3. Scope of discipline

№ n /	a Type of work	Total credits	Total hours	Semesters	
				9	10
				hours	hours
1	2	3	4	5	6
1	Contact work of students with teacher (total), including:		108	48	72
2	Lectures (L)		12	4	8
3	Clinical Practice (PP)		96	40	56
4	Seminars (C)				
5	Laboratory work (LR)				
6	Student Independent Work (SIW)		72	28	44
7	Type of intermediate assessment	credit (H)			
		exam (E)	36		36
8	TOTAL: Total labor	hours	216	72	144
		Z	6	2	4

4. Content of the discipline

№ n /	a n / sem ester	a semester Name of the discipline section	Types of educational activities, including independent work of students (in hours)				Current performance monitoring forms
			L	PZ	SRS	Total H	
1.	IX	Classification of non-gunshot facial injuries. Statistics. Methods of examination of patients with facial trauma. Non-gunshot injuries of the soft tissues of the face. Clinic, diagnosis, treatment. Features of primary surgical treatment of facial soft tissue wounds.	1	10	7	18	ML, S, DZ, PZ, T, KR, Pr
2.	IX	Dislocations of teeth. Fractures of teeth. Fracture of the alveolar process. Dislocation of the lower jaw. Classification, clinic, diagnosis, treatment	1	10	7	18	ML, S, DZ, PZ, T, KR, Pr

3.	IX	Non-gunshot fractures of the lower and upper jaws. Classification, clinic, diagnostics	1	10	7	18	ML, LT, S, DZ, PZ, T, CR, Pr
4.	IX	Treatment of jaw fractures. Conservative and surgical methods of immobilization. Indications for application. Nutrition and nursing. Medical and physical methods of treatment of victims	1	10	7	18	ML, LT, S, DZ, PZ, T, KR, Pr, MG, SI
5.	X	Fractures of the zygomatic bone, zygomatic arch, bones of the nose. Clinic, diagnosis, treatment	1	7	4	12	ML, S, DZ, PZ, T, KR, Pr
6.	X	Complications of non-gunshot jaw fractures: traumatic osteomyelitis, delayed consolidation, false joint, malunion of fragments. Etiology, clinic, diagnostics, general principles of treatment	1	7	4	12	ML, S, DZ, PZ, T, KR, Pr
7.	X	Thermal damage to the maxillofacial area (burns, frostbite, electric shock and high frequency radiation). Clinical picture and treatment.	1	7	4	12	ML, S, DZ, PZ, T, KR, Pr
8.	X	Combined and combined injuries of the face. Features of the clinical course. Combined traumatic brain injury. radiation damage.	1	7	4	12	ML, S, DZ, PZ, T, KR, Pr
9.	X	Wound ballistics and tissue damage zones. Anatomical and physiological features of the face and gunshot wound. Gunshot wounds of the soft tissues of the face. General patterns of wound process	1	7	4	12	ML, S, DZ, PZ, T, Pr
10.	X	Features of gunshot wounds of the lower and upper jaws.	0,5	3,5	5	9	ML, S, DZ, PZ, T, KR, Pr
11.	X	The volume and procedure for providing assistance to the wounded at the stages medical evacuation. General	0,5	3,5	5	9	ML, DZ, PZ, T, KR, Pr

		provisions on the medical examination of military personnel.					
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12.	X	Abscesses and phlegmon of the face and neck. Classification. Etiology. Pathogenesis. clinical picture. Diagnostics. General principles of treatment.	0,5	3,5	5	9	ML, S, DZ, PZ, T, KR, Pr
13.	X	Abscesses and phlegmon adjacent to the upper and lower jaws. Phlegmon of the floor of the mouth. Putrid-necrotic phlegmon of the face and neck.	1	7	4	12	ML, DZ, PZ, T
14.	X	Complications of odontogenic inflammatory processes of the face and neck.	0,5	3,5	5	9	ML, S, DZ, PZ, T
		Итого	12	96	72	180	

ML-multimedia lecture;

SI-independent study of topics reflected in the program, but considered in the classroom;

MG-method of small groups. Forms of current control

C-assessment based on the results of the interview (oral survey); DZ-checking the performance of written homework; LR-protection of laboratory work;

T-testing;

KR-control and independent work;

Pr-assessment of mastering practical skills (skills).

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

No./n	No. semester	Name of educational and methodical development
1	IX, X	Educational and methodological recommendations "MSH: DISEASES OF THE HEAD AND NECK" for students of the Faculty of Dentistry for out-of-class CRS. Authors: Toboev G.V., Esiev R.K. Vladikavkaz, 2020

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

No./n	List of competencies	Semester No	Assessment indicator(s)	Assessment criterion(s)	scale	FOS name
1	2	3	4	5	6	7
1	OPK-11 UK-5 UK-6 UK-8 UK-9 UK-10 UK-11	9,10	See evaluation standard quality of education, approved by the Ministry of Education of the Russian Federation order of the Federal	See evaluation standard quality of education, approved by the Ministry of Education of the Russian Federation by order of the Federal State	See evaluation standard quality of education, approved by order of the Federal State Budgetary Educational Institution of Higher	Exam tickets; Test tasks; Control tasks

			<p>State Budgetary Educational Institution of Higher Professional Education of the Ministry of Health of the Russian Federation dated 10.07.2018г., №264/о</p>	<p>Budgetary Educational Institution of Higher Professional Education of the Ministry of Health of the Russian Federation dated 10.07.2018г., №264/о</p>	<p>Professional Education of the Ministry of Health of the Russian Federation dated 10.07.2018г., №264/о</p>	
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8. List of basic and additional educational literature necessary for mastering the discipline

№	a no. Name	Author(s)	Year, place of publication	Number of copies.	
				in the bible	to the department.
1	2	3	4	5	6
Main literature					
1.	Afanasiev V.V. Surgical dentistry (recording and maintaining the history diseases): textbook. allowance	V. V. Afanasiev, G. A. Pashinyan	M. : GOU VUNMT S, 2005	45	1
2.	Operative maxillofacial surgery and dentistry: textbook. allowance	V. A. Kozlov	GEOTAR-Media, 2014. - 544 p.	30	1
3.	Surgical dentistry: textbook	T. G. Robustova	M. : Medicine, 2011.	62	1
Additional literature					
4.	Craniofacial Surgery in 3D: Atlas	Belchenko V.A., Prityko A.G., Klimchuk A.V., Fillipov V.V.	M 2010 - 224 p.	68	1
5.	Surgical dentistry and Maxillofacial Surgery. Thematic tests: study guide. In 2 parts.	Panin A.M., Biberman A.M., Bizyaev A.F. and etc	M 2009. - 768 c	51	1

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

EBS "Student Advisor", access to textbooks:

1. <http://www.stom.ru/> - Russian dental portal
2. <http://www.edentworld.ru/> - Dental portal eDentWorld
3. <http://www.dentoday.ru/> - Electronic version of the newspaper "Dentistry Today"
4. <http://stomgazeta.ru/> - Archive of the publishing house "Poly Media Press"

10. Guidelines for students on mastering the discipline

Training consists of classroom lessons (108 hours), including a lecture course and practical exercises, and independent work (72 hours). The main study time is allocated for practical work on the assimilation of theoretical knowledge, the acquisition of practical skills and

abilities.

When studying 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 the practical skills acquired in the course of working with demonstration visual aids, working with patients and solving situational problems.

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

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

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

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

Methodological recommendations for students and methodological instructions for teachers have been developed for each section of the academic discipline.

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

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

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

The work of a student in a group forms a sense of collectivism and sociability. Teaching students contributes to the development of their communication skills with the patient, taking into account the ethical and deontological characteristics of pathology and patients. Independent work with patients contributes to the formation of professional behavior,

accuracy, discipline.

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

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

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

Semester	Type of classes L, PR,S,	Educational technologies used (active, interactive)	Number of hours	% of interactive classes	Software list
IX, X	Lectures	LT, KOP	12	90	Multimedia installation: laptop, Microsoft Office projector PowerPoint; Acrobat Reader; Internet Explorer
IX, X	Workshops	PZ, MG, RI, SI	96	6	Information and legal system "Consultant" Information system "State Register of Drugs" Microsoft Office PowerPoint; Acrobat Reader
IX, X	Student Independent Work (SIW)	DZ S TK	72		Information and legal system "Consultant" Information system State Register of Medicines Microsoft Office PowerPoint; Acrobat Reader
IX, X	Preparing for classes (PZ)	UZ Pr DZ S TK	40	5	Electronic library of the medical university "Student Advisor"
IX, X	Preparation for the current control (PTK)	T DZ S TK	18	5	Electronic library of the medical university "Student Advisor"
IX, X	Preparation for intermediate control (IPC)	T DZ S TK	24	5	scientific electronic library, the search is carried out by thematic section, the name of the journal, the author. Contains a catalog of Russian and foreign publications. Sometimes holds promotions full text access. Registration required.

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

№/ n	Equipment identification	Quantity	Technical condition
1	2	3	4
Special equipment			
1.	multimedia complex (laptop, projector, screen)	1	Good
2.	dental unit	1	Satisfactory
phantoms			
3.	-	-	-
Models			
4.	Jaw models	2	Satisfactory
5.	Skull	1	Satisfactory

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

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

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

Conducting seminars and practical classes is possible online both in synchronous and asynchronous mode.

Seminars can be held in the form of web-conferences.