

**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 OF DENTITION ROWS (COMPLEX
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 MPEP 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.. 	<p>ID-3 Fill out medical documentation and monitor the quality of maintaining medical documentation</p> <p>ID-4 Draw up documentation necessary for conducting medical and social expertise</p> <p>ID-5 Work in information and analytical systems (Unified State Information System of Healthcare)</p> <p>ID-6 Draw up a work plan and report on their work</p> <p>ID-7 Analyze the quality and effectiveness of maintaining</p>	<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

				<p>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</p>			
	OPK-5	is able to conduct an examination of a patient in order to establish a diagnosis when solving professional problems	<ol style="list-style-type: none"> 1. . Methods of examination of patients with pathological erasability of hard tissues in the clinic of orthopedic dentistry. 2. Methods for determining the functional state of the dentoalveolar system with pathological erasability 3. Features of examination and laboratory methods 	<p>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</p>	<ol style="list-style-type: none"> 1. Diagnostic methods for pathological erasure in orthopedic dentistry 2. Methods for collecting anamnesis in the clinic of orthopedic dentistry 3. Clinical examination methods for pathological erasure 	<ol style="list-style-type: none"> 1. Perform diagnostics for pathological erasure in orthopedic dentistry 2. Collect anamnesis for pathological erasure in the clinic of orthopedic dentistry 3. Conduct a clinical examination for 	<ol style="list-style-type: none"> 1. by the method of diagnosing pathological erasure in orthopedic dentistry 2. Methods for collecting anamnesis for pathological erasure in the clinic of orthopedic dentistry 3. The method of clinical examination for pathological

			for studying patients with pathological erasability	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.		pathological erasure	erasability
	PC-3	dentistry Development, implementation and monitoring of the effectiveness of individual rehabilitation programs for the treatment of pathological erasure	<ol style="list-style-type: none"> 1. . Classification of pathological erasability. 2. Dental crown defects, classification. Types of dentures that restore the anatomical shape of teeth. 	<p>ID-1 to 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</p>	<ol style="list-style-type: none"> 1. equipment Methods of treatment of pathology of hard tissues of teeth. Classification of structures by manufacturing method and material. 2. Methods of treating pathological erasability. 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 treatment method for pathologic erasability. Types of dentures that restore the anatomical 	<ol style="list-style-type: none"> 1. Method of treatment of pathology of hard tissues of teeth 2. by the method of treatment of pathological erasability. 3. Development, implementation and monitoring of the effectiveness of individual rehabilitation programs Methods for determining the functional state of the

				body and the presence of concomitant pathology ID-4 Apply personal protective	dentition defects, their classification.	shape of teeth. 3. Choose a treatment method for periodontal pathology.	dentoalveolar system (clinical, functional (laboratory) and static).
	PC-3	Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	1. Methods for determining the functional state of the dentoalveolar system (clinical, functional (laboratory) and static).	ID-1 Develop a rehabilitation plan for patients with diseases of the maxillofacial region ID-2 Carry out rehabilitation measures for diseases of the maxillofacial region 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 ID-4 Apply personal protective	1. equipment Fundamentals and principles of evidence-based medicine 2. Basics work with medical search engines	1. Analyze the 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

Academic discipline Prosthetics of dentition rows (complex prosthetics)

It is included in the basic 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	
				7	8
				hours	hours
1	2	3	4	5	6
1	Students ' contact work with the teacher (total), including:	-	216	72	144
2	Lectures (L)	-16	16	6	10
3	Clinical practice sessions (PZ)	-	106	42	64
4	Seminars (S)	-	-	-	-
5	Laboratory work (LR)	-	-	-	-
6	Independent work of the student (SRS)	-	58	24	34
7	Type of intermediate certification	credit (S)	-	-	-
		exam (E)	-36	36	
8	TOTAL: Total labor	intensity of hours	-	216	
		Z	6		2

5. Content of the discipline

№п/п	Semester number	a no. semesra Module section name	Types of educational activities, including independent work of students (in hours)				Current performance monitoring forms (by semester week)
			L	PZ	SRS	Total	
1	7	Orthopedic treatment of patients with increased erasure of hard tooth tissues K03. 0 (according to ICD-10C)	1	4	4	9	S, TK, NW,
US 2	7	Features of orthopedic treatment of senile patients with fixed and removable dentures	0.5,5	4	4	8.5	S, SZ, US
3	7	Problems of restoring speech function (sound formation) in prosthetics of patients with missing teeth	0.5	4	4	8.5	S, SZ, US
4	7	Examination of patients with extensive dentition defects. Clinic. Indications and contraindications for the preservation of single-standing teeth and tooth roots. Cover prostheses, a clamless fixation system.	1	6	4	11	S, TK, NW, UZ
5	7	Aesthetic aspects of orthopedic treatment.	1	4	4	9	S, NW, US
6	7	Orthopedic treatment of patients using implants	1	10	2	13	S, TW
NW, US 7	7	Diagnosis and prevention of complications and errors in orthopedic treatment with various types of dentures and devices	1	10	2	13	S, TK, NW, UZ
8	8	treatment of patients with periodontal diseases	5	32	17	54	S, NW, UZ
US 9 8	Features of orthopedic treatment	of patients with chronic diseases of the oral mucosa against the background of somatic pathology.	5	32	17	54	S, TK, NW, UZ
		Total	16	106	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	name of the educational and methodical development 1
1	7	Guidelines for students to self-study in the discipline "Prosthetics of dentition". Dzgoeva M. G., Khetagurov S. K.
2	8	Practical exercises on orthopedic dentistry for students of the Faculty of Dentistry. Dzgoeva M. G., Khetagurov S. K.
3	8	Clinic, diagnosis and treatment of periodontal diseases. Methodological recommendations for practical classes for 4th-year students. Dzgoeva M. G., Khetagurov S. K.

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

n/	a List of competencies	№ Semester No	. Assessment indicator(s) Assessment	criterion (s) Assessment	scale	Name of the FOS
1	2	3	4	5	6	7
1	PC-6 OPC-5 PC-3	7	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	PC-6 PC-5 PC-3	8	cm. standard for assessing the quality of education, approved by the Ministry of Education of the Russian	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the	the Russian Federation dated 10.07.2018, see standard for assessing the quality of education, approved by the	Test tasks; Control tasks.

			Federation. By Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	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	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	
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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: textbook	edited by I. Y. Lebedenko.	Moscow: GEOTAR-Media, 2011, 2012	36 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970420881.html
2.	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 the bible	to the department.	
1.	Orthopedic dentistry : a national guide	ed. by I. Y. Lebedenko	Moscow: GEOTAR-Media, 2016.2	copies.	-	
2.	Propaedeutical dentistry: textbook	by E. S. Kalivrajyan [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. - 664 p	. 1 ex.	-	
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. Logmaeva

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 (16 hours), practical exercises (106 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 section SRS).

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	List of software
7.8	Liters	Set of slides, videos for a traditional lecture	16	-	Microsoft Office PowerPoint; Internet Explorer
7.8	PR	Set of questions and tasks for practical tasks, a set of situational tasks for ZS, a set of case histories for analyzing clinical cases.	104	20	Microsoft Office TestOfficePro
7.8	S	Questions and tasks for independent work	60		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.