СТОМ-21-ИН

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

ДОКУМЕНТ ПОДПИСАН
ЭЛЕКТРОННОЙ ПОДПИСЬЮ

Сертификат: 2D4EFF8215A48D63793F851FADB089F4
Владелец: Ремизов Олег Валерьевич
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WORKING PROGRAM OF THE DISCIPLINE TRAINING SIMULATION COURSE IN ORTHOPEDIC DENTISTRY

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
1	PK-6	Organizational and managerial activities	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 Health Information System) ID-6 Draw up a work plan and report on your work ID-7 Analyze the quality and effectiveness of medical documentation	1. Organization of the orthopedic dentistry clinic 2. Documentation of the orthopedic dentistry	1. clinic Organize the workplace dentist's office of the orthopedic dentist 2. Fill out the medical documentation dentist's office of the orthopedic dentist	1. with the basics of deontology and ergonomics 2. Skills in filling out medical documentation.
2	OPK-5	is able to conduct an examination of a patient in order to establish a diagnosis when solving professional problems	1. Method of examination of patients with defects in hard tissues of teeth and dentition in the clinic of orthopedic dentistry. 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	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. Diagnostic methods in orthopedic dentistry 2. anamnesis collection method in the orthopedic dentistry clinic 3. Clinical examination methods	1. Perform 2. diagnostics in orthopedic dentistry Collect anamnesis in the orthopedic dentistry clinic 3. Conduct	1. a clinical examination by the 2. diagnostic method in orthopedic dentistry anamnesis collection method in the orthopedic dentistry clinic 3. Clinical examination method

3	PC-3	Development, implementation and control of effectiveness individual rehabilitation programs	1. Treatment of dental hard tissue pathology with inlays. 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.	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 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 dentition defects, their classification.	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. 3. Choose the method of treatment of dental defects, their classification	1. by the method of treatment of pathology of hard tissues of teeth 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. Method of treatment of dentition defects, their classification
4	OPK-5	is able to conduct a patient's examination 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	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

				professional problems. ID-4 OPK-5 Be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.			

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

The academic discipline belongs to the part formed by the participants of the educational relations of Block 1 of the Federal State Educational Standard for Higher Education in the specialty "Dentistry"

Types of professional activities underlying the teaching of this discipline:

Diagnostic information.

Therapeutic area

Organizational and managerial information.

4. Scope of the discipline

№ n /	a Type of work		Total credits	Total hours	Semesters
					10
					hours
1	**2**		**3**	**4**	**5**
1	**Contact work of students with the teacher(total), including:**		-72	72	72
2	Lectures (L)		-3		
3	Clinical practical classes (PZ)		-72	72	72
4	Seminars (C)		-5		
5	Laboratory work (LR)		-6		
6	**Independent work of the student (SRS)**		-36	36	36
7	**Type of intermediate certification**	credit (Z)	-	credit	credit
		exam (E)	-	-	-
8	**TOTAL:** Total labor	intensity of hours	-	108	108
		Z	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	Total	
1	10	Methods of clinical examination of dental patients at an orthopedic appointment		8	5	13	S, TK, NW,
US 2	10	Diseases of the hard tissues of the teeth.		8	5	13	S, NW,
US 3	10	Partial tooth loss		8	3	11	S, TK, NW,
US 4	10	Treatment of partial tooth loss		8	3	11	S, TK, NW,
US 5	10	Periodontal diseases.		8	3	11	S, TK, NW, US
6	10	Diseases of the temporomandibular joint.		8	3	11	S, NW,
US 7	10	Total tooth loss		8	5	13	S, TK, NW,
US 8	10	Diseases caused by denture materials		6	3	9	S, TK, NW,
US 9	10	Orthopedic treatment adentia using implants		5	3	8	S, NW,
US 10	10	Functional pathology of the dentoalveolar system		5	3	8	S, NW,
				72	**36**	**108**	

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

n/	№ a semester	No. Name of the educational and methodological development
1	10	Simulation course in orthopedic dentistry. Guidelines for practical classes for students of the 5th year of the 10th semester. Khetagurov S. K., Dzgoeva M. G.
2	10	Practicum on orthopedic dentistry. 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 FOS
1	**2**	**3**	**4**	**5**	**6**	**7**
1	PC-6, OPK-5, PC-3, OPK-5	10	cm. 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.

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

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.	Orthopedic dentistry. Propaedeutics and fundamentals of a private course: textbook	by V. N. Trezubov, A. S. Shcherbakov, and L. M. Mishnev.	Moscow: MEDpress-inform Publ., 2003, 2008	36 copies.	-	
3.	Encyclopedia of orthopedic dentistry	V. N. Trezubov, L. M. Mishnev,	St. Petersburg: Foliant, 2007	1 copy.	-	
4.	Dental instruments: color atlas	by E. A. Bazikyan.	Moscow: GEOTAR-Media, 2007	, 15 copies	-	"Student's consultant" http://www.studmedlib.ru/book/ISBN9785970405918.html

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 (72 hours) and independent work (36 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 широко используются 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
9	L	Set of slides, videos for a traditional lecture	12	-	Microsoft Office PowerPoint; Internet Exploer
9	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.	50	20	Microsoft Office Test Program
9	S	Questions and Tasks for Independent work	46	-	Microsoft Office Internet Exploer

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. m^2.

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. m^2), in which classes are also held with students,
- one phantom class for 5 phantoms and 8 computers (32 sq. m^2),
- orthopedic office for 3 dental units (20 sq. m^2), 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.