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
Действителен: с 23.05.2023 до 15.08.2024

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WORKING PROGRAM OF THE DISCIPLINE COMPLEX TREATMENT OF ANOMALIES OF THE DEVELOPMENT OF THE DENTOALVEOLAR SYSTEM

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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Head of the Department of Dentistry No. 2 of the Federal State Budgetary Educational Institution of the Ministry of Health of Russia, MD, G.V. Toboev

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
	OPK-5	is able to conduct an examination of the patient in order to establish a diagnosis when solving professional problems	1. Features of TRG in various types of HFA	ID-1 OPK-5 Possess 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. Clinic diagnostics and methods of prevention of dentoalveolar anomalies, the most frequent diagnostic errors	1. Determine the severity of the clinical picture in cases of chewing disorders	1. by examination methods for ASF anomalies 2. Using the OPK-1 method for detecting diagnostic errors in ASF anomalies.
	OPK-1.	Able to implement moral and legal norms, ethical and deontological principles in professional activities	1. Relapses in orthodontic treatment 2. Ethics and deontology in orthodontics	ID-1 OPK-1 Be able to observe moral and legal norms in professional activities. ID-2 OPK-1 Be able to present professional information in the process of cross-cultural interaction, observing the principles of ethics and deontology	1. Pathogenetic mechanisms of relapses in orthodontics 2. Deontological foundations in orntodontics	1. Recognize and eliminate relapses in orthodontics 2. Determine the patient's psychotype	1. by the algorithm of manufacturing and using retainers. 2. Using the algorithm of subject-oriented communication with patients
	, OPK-5	is able to conduct an examination of the patient in	3. . 4. Methods for determining the functional state of the	ID-1 OPK-5 Master the algorithm of clinical examination of the patient.	3. Diagnostic methods in orthodontics defects and	3. Conduct diagnostics in AF 4. Collect	3. AF Diagnostic methods in AF 4. Methods of collecting

		order to establish a diagnosis when solving professional problems	dentoalveolar system (clinical, functional (laboratory) and static). 5. Features of examination and laboratory methods of examination of patients with HFA	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.	injuries of the CHLO, the presence of AF 4. Methods of collecting anamnesis in the clinic of orthodontics 5. Clinical methods of examination in AF	anamnesis in the clinic of orthodontics 5. Conduct a clinical examination in	anamnesis in the clinic of orthopedic dentistry 5. Methods of clinical examination in AF
	OPK-5	is able to conduct an examination of a patient with the purpose of establishing a diagnosis in solving professional problems	1. is to diagnose dental anomalies:method of Pon, Tone, Gerlach, Korhaus 2. Diagnosis of dental anomalies. Photos in 3. TRG orthodontics. Calculation of TRG	ID-1 OPK-5 Own the algorithm 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. Indications for the use of Pon, Tone, Gerlach, Korhaus 2. methods for the diagnosis of AF 3. Indications for the use of various types of bending	1. Perform calculations using the Pon, Tone, Gerlach, Korhaus 2. method Make a series of orthodontic images 3. Create bends of different orders	1. using the algorithm for performing calculations in orthodontics 2. The algorithm for analyzing orthodontic images 3. The algorithm for creating bends of the I, II, III, IV order
	PC-	3 Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	1. Features of tactics and treatment of patients with PSA	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	1. equipment Features of tactics and treatment of patients with AF	1. Determine the clinical severity of AF pathology	1. By assessing the general status of the patient, the relationship of influencing factors in AF

				diseases, taking into account the general condition of the body and the presence of concomitant pathology ID-4 Use personal protective			
	PC-3	Development, implementation and monitoring of the effectiveness of individual rehabilitation programs	1. Features of tooth movement. Strength as a vector value	of rehabilitation of 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 Changes occurring in the periodontium when teeth are moved.	1. Determine the force vector of the application.	1. Methods of force vector analysis and calculation

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

Academic discipline for the part formed by participants in educational relations 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
					10
					hours
1	2		3	4	5
1	**Contact work of students with the teacher (total), including:**		-72	72	72
2	Lectures (L)		--	-	-
3	Clinical practical classes (PZ)		-72	72	72
4	Seminars (S)		-	-	-
5	Laboratory work (LR)		--	-	
6	**Independent work of the student (SRS)**		-36	36	36
7	**Type of intermediate certification**	credit (S)	-	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	Features of TRG in various types of AF	-	7	4	11	S, TK, NW,
2	10	Features of tooth movement. Force as a vector quantity	-	7	3	10	S, NW, UZ
3	10	Bracket positioning rules	-	7	4	11	S, TK, NW, UZ
4	10	Orthodontic arches	-	7	3	10	S, TK, NW, UZ
5	10	Bends I, II, III, IV orders	-	8	4	12	S, TK, NW, UZ
6	10	Devices for distalization and mesialization	-	7	3	10	S, NW, UZ
7	10	Absolute support. Orthodontic mini-implants	-	7	3	10	S, TK, SZ, UZ
8	10	Derichswiler's device .	-7	7	4	11	S, TZ, NW
9	10	Orthognathic surgery	-	7	4	11	S, NW,
10	10	Recurrences in orthodontic treatment	-	8	4	12	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	Comprehensive treatment of ASF development anomalies. Guidelines for practical classes for students of the 5th year of the 10th semester. Khetagurov S. K., Alikova M. Kh
2	10	Guidelines for students to self-study in the discipline "Complex treatment of developmental anomalies of ASF". Dzgoeva M. G., Khetagurov S. K., Alikova M. Kh.

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	OPK-5 OPK-1. PK-3	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	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	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	Test tasks; Control tasks.

			State Budgetary Educational Institution of Higher Education of the Ministry of Health of	Order No. 264 / o of the SOGMA Federal State Budgetary Educational Institution of Higher Education of the Ministry of Health of	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	

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.		Names. EBS, link in the EBS
				in the bible	to the caf.	
1.	Dentistry of children: Part 3. Orthodontics: textbook	Persin L. S.	Moscow: GEOTAR-Media, 2016	. экз.- http://www.studmedlib.ru/book/ISBN9785970435540.html	-	http://www.studmedlib.ru/book/ISBN9785970435540.html
2.	Orthodontics. Diagnostics and treatment of maxillofacial anomalies and deformities: textbook	Persin L. S.	Moscow: GEOTAR-Media, 2015	23 copies.	-	http://www.studmedlib.ru/book/ISBN9785970432273.html
3.	. экз.- http://www.studmedlib.ru/book/ISBN9785970432273.html Stomatology of children: textbook	Persin L. S., Elizarova V.	M. Moscow: Meditsina Publ., 2006	, 24 copies	. -	

Additional literature

n / №	a no. Name	Author(s)	Year, place of publication	Number of copies.		Names. EBS, link in the EBS
				in the bible	to the caf.	
1.	Orthodontics. Complex treatment of maxillofacial anomalies: orthodontic, surgical, orthopedic: textbook. stipend. Book 3	F. Ya. Khoroshilkina, L. S. Persin	, Moscow: Orthodent-Info, 2001, 174 p.	1 ex.	-	
2.	Manual of orthodontics: textbook. manual	Distel V. A.	M.: Med. kniga ; N. Novgorod: NGMA, 2000	41 copies	. -	

СОГЛАСОВАНО Зав. библиотекой

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), including a lecture course and practical exercises, 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	0	-	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.	72	20	Microsoft Office Test Program
9	S	Questions and tasks for independent work	36	-	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.