

**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.

**THE PROGRAM OF EDUCATIONAL PRACTICE
FAMILIARIZATION PRACTICE (EXAMINATION METHODS IN
ORTHODONTICS)**

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

Developers:

Head of the Department

M.G. Dzgoeva.

Assoc. Prof of the Department

S.K. Khetagurov.

Reviewers:

Head of the Department of Orthopedic Dentistry, Propaedeutic and Postgraduate Education NOSU
Named after K.L. Khetagurov, Ph.D., Professor R.V. Zoloyev

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 practice program

1. indication of the type of practice, method and form (forms) of its implementation;
2. a list of planned learning outcomes during internship, correlated with the planned results of mastering the educational program;
3. indication of the place of practice in the structure of the educational program;
4. an indication of the amount of practice in credit units and its duration in weeks or in academic or astronomical hours;
5. the content of the practice;
6. indication of reporting forms for practice;
7. a fund of assessment tools for conducting intermediate certification of students in practice;
8. a list of educational literature and Internet resources necessary for the practice;
9. a list of information technologies used in the practice, including a list of software and information reference systems (if necessary);
10. description of the material and technical base necessary for the practice.
11. conducting educational activities using e-learning and distance learning technologies.

1. Type of practice - educational practice

Type of practice - clinical practice.

Method of carrying out - stationary, exit

Conduct form - discrete

2. List of planned learning outcomes during internship, correlated with the planned results of mastering the educational program

No. p / f	Number / index of competence	Content of competence (or parts of it)	Topic of the lesson (section)	Achievement indicators competencies	Development results		
					know	be able to	own
one	2	3	four	5	6	7	eight
	OPK-5	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	<ol style="list-style-type: none"> 1. Relapses in orthodontic treatment 2. Ethics and deontology in orthodontics 	ID-1 GPC-5 Own the algorithm clinical examination of the patient. ID-2 GPC-5 To be able to draw up a plan for laboratory and instrumental diagnostics. ID-3 GPC-5 Own the algorithm of clinical laboratory and functional diagnostics in solving professional problems. ID-4 GPC-5 To be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	<ol style="list-style-type: none"> 1. Pathogenetic mechanisms of recurrence in orthodontics 2. Deontological foundations in orthodontics 	<ol style="list-style-type: none"> 1. Recognize and eliminate relapses in orthodontics 2. Determine the psychotype of the patient 	<ol style="list-style-type: none"> 1. Algorithm for the manufacture and use of retainers. 2. Algorithm of subject-oriented communication with patients
	OPK-1.	Able to implement moral and legal norms, ethical and deontological principles in professional activities	<ol style="list-style-type: none"> 1. Method of examination of patients with AF. 2. Methods for determining the functional state of the dental system (clinical, functional (laboratory) and static). 3. Features of the examination and 	ID-1 OPK-1 Be able to observe moral and legal standards in professional activities. ID-2 OPK-1 Be able to express professional information in the process of intercultural interaction, observing the principles of ethics and deontology	<ol style="list-style-type: none"> 1. Methods of diagnostics in orthodontics defects and injuries of the maxillofacial area, the presence of AP 	<ol style="list-style-type: none"> 1. Carry out diagnostics for AF 2. Collect anamnesis in the orthodontics clinic 3. Conduct a clinical 	<ol style="list-style-type: none"> 1. Method of diagnostics in case of AFA 2. The method of collecting anamnesis in the clinic of orthopedic dentistry

			laboratory methods for the study of patients with AFA		2. The method of collecting an anamnesis in the clinic of orthodontics 3. Clinical examination methods for AFA	examination for AFA	3. Methods of clinical examination in case of AFA
	OPK-5	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	1. Diagnosis of dentoalveolar anomalies: Pona, Ton, Gerlach, Korhaus method 2. Diagnosis of dental anomalies. Photos in orthodontics 3. TRG. TRG calculation	ID-1 GPC-5 Own the algorithm clinical examination of the patient. ID-2 GPC-5 To be able to draw up a plan for laboratory and instrumental diagnostics. ID-3 GPC-5 Own the algorithm of clinical laboratory and functional diagnostics in solving professional problems. ID-4 GPC-5 To be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	1. Indications for the use of the Pona, Ton, Gerlach, Korhaus methods 2. Methods for diagnosing AF 3. Indications for the use of various types of bending	1. Carry out calculations according to the method of Pohn, Ton, Gerlach, Korhaus 2. Take a series of orthodontic images 3. Create bends of different orders	1. Calculation algorithm in orthodontics 2. An algorithm for analyzing orthodontic images 3. Algorithm for creating bends of I, II, III, IV order
	OPK-5	Able to conduct a patient examination in order to establish a diagnosis in solving professional problems	1. Methods for determining the functional state of the dental system (clinical, functional (laboratory) and static).	ID-1 GPC-5 Own the algorithm clinical examination of the patient. ID-2 GPC-5 To be able to draw up a plan for laboratory and instrumental diagnostics. ID-3 GPC-5 Own the algorithm of clinical laboratory and functional diagnostics in solving professional problems. ID-4 GPC-5 To be able to evaluate the results of clinical, laboratory and functional diagnostics in solving professional problems.	1. Fundamentals and principles of evidence-based medicine 2. Fundamentals of working with medical search engines	1. Analyze the information obtained while working with medical search engines	1. Public speaking skills in a professional environment

3. Indication of the place of practice in the structure of the educational program

Practice refers to the basic part of Block 2 of Practice, including the research work of the Federal State Educational Standard of Higher Education in the specialty 31.05.03 Dentistry.

Types of professional activity underlying the teaching of this discipline:

Medical

Organizational - managerial

Research.

4. Indication of the amount of practice in credit units and its duration in weeks or in academic or astronomical hours

No. p / p	Type of work	Total credits	Total hours	Semester	
				9	
				hours	
one	2	3	four	5	
one	Contact work of students with the teacher (total), including:	-	72	72	
2	Student Independent Work (SIW)	-	36	36	
3	Type of intermediate certification	credit (G)	-	offset	offset
		exam (E)	-		
four	TOTAL: Total labor intensity	hours	-	108	108
		Z	3		

5. Content of practice

No./n	No. semester	Name of the topic (section) of practice	Contact. watch	Myself. Slave.	Total hour in
one	9	Preparatory stage.	four	four	eight
2	9	Orthodontic examination of the patient.	ten	four	fourteen
3	9	Method of examination of patients with AF.	ten	6	16
four	9	Diagnosis of dentoalveolar anomalies: Pona, Ton, Gerlach, Korhaus method	ten	four	fourteen
5	9	Diagnosis of dental anomalies. Photos in orthodontics	ten	four	fourteen
6	9	TRG. TRG calculation	ten	four	fourteen
7	9	Algorithm for creating bends of I, II, III, IV order	eight	four	12
eight	9	Drawing up a treatment plan for a patient in an orthodontic clinic	ten	6	16
TOTAL:			72	36	108

6. Indication of reporting forms in practice

Based on the results of the practice, students draw up a diary of practice in the prescribed form, and the head of the practice - a report according to the form.

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

No./n	List of competencies	No. semester	Indicator(s) evaluation	Evaluation criterion(s)	Evaluation scale	Name FOS
one	2	3	four	5	6	7
one	GPC1, GPC5	9	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational Institution of Higher Education SOGMA of the Ministry of Health of Russia dated July 10, 2018, No. 264 / o	Test tasks; Control tasks.

8. List of educational literature and Internet resources necessary for the practice

Main literature

p/n No.	Name	The authors)	Year, place of publication	Number of copies		Namenov. EBS, link in EBS
				in bible	on the cafe	
1.	Dentistry of children's age: Part 3. Orthodontics: textbook	Persin L. S.	M. : GEOTAR-Media, 2016	10 copies	-	http://www.studmedlib.ru/book/ISBN9785970435540.html
2.	Orthodontics. Diagnosis and treatment of dentofacial anomalies and deformities: textbook	Persin L. S.	M. : GEOTAR-Media, 2015	23 copies	-	http://www.studmedlib.ru/book/ISBN9785970432273.html
3.	Dentistry of childhood: a textbook	Persin L. S., Elizarova V. M.	M. : Medicine, 2006	24 copies	-	

additional literature

p/n No.	Name	The authors)	Year, place of publication	Number of copies		Namenov. EBS, link in EBS
				in bible	on the cafe	
1.	Orthodontics. Complex treatment of dentofacial anomalies: orthodontic, surgical, orthopedic: textbook. allowance. Book. 3	F. Ya. Khoroshilkina, L. S. Persin.	M. : Ortodent-Info, 2001. - 174 p.	1 copy	-	
2.	Manual on orthodontics : textbook. allowance	Distel V. A.	M.: Medical book; N. Novgorod: NGMA, 2000	41 copies	-	

9. List of information technologies used in the practice, including a list of software and information reference systems (if necessary)

No. p / p	Resource name	Website address
one	ModernLib - electronic library,	http://modernlib.ru
2	Russian Dental Portal.	www.stom.ru
3	Electronic books on dentistry.	www.web-4-u.ru/stomatinfo
four	Aesthetic restorations of teeth.	www.esthetics.ru
5	Medical literature on dentistry.	www.mmbook.ru
6	Information dental resource.	denta-info.ru
7	Information resource for students of medical universities	www.studmedlib.ru
eight	Federal Electronic Medical Library (FEMB)	feml.scsmr.rssi.ru/feml

10. Description of the material and technical base necessary for the practice

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

The department has three rooms:

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

No./ P	equipment identification	Quantity	Technical condition
one	2	3	four
Special equipment			
one	notebook	one	Good
2	projector	one	satisfactory
3	camera	one	Good
four	PC	6	Good
5	Dental units	3	satisfactory
phantoms			
one	Dental phantoms	5	satisfactory
dummies			
one	Preparation jaws	twenty	satisfactory

11. 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 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 course materials: presentations, articles, additional 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 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.

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