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



#### PRACTICE PROGRAM

## PRACTICE FOR OBTAINING PROFESSIONAL SKILLS AND EXPERIENCE OF PROFESSIONAL ACTIVITIES (ON THERAPEUTIC DENTISTRY)

the main professional educational program of higher education - specialist's programs in the specialty 31.05.03 Dentistry, approved on March 30, 2022

Form of study	full-time	
Term of development of OPOP VO	5	
Department of Dentistry №3		

#### When developing an internship program, it is based on:

- Federal State Educational Standard of Higher Education in the specialty31.05.03 Dentistry, approved by the Ministry of Education and Science of the Russian Federation on August 12, 2020 No. 984
- 2 Curriculum of the OPOP HE in the specialty31.05.03 Dentistry Stom-21-01-22

Stom-21-02-22, approved by the Academic 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 practice program was approved at a meeting of the Department of Dentistry No. 3 dated March 21, 2022, protocol No. 8

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

The practice program 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 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.

#### 1. Type of practice practice -Internship

Type of practice - practice for obtaining professional skills and experience of professional activity. Method of carrying out - stationary, exit

#### The form of holding is discrete

#### 2. The list of planned learning outcomes in the discipline and the results of mastering the educational program

	Number /			Competency		Development results	
No. p	index of competenc	Content of competence (or parts of it)			know	be able to	own
4	e	2		_		_	0
1	2	3	4	5	6	7	8
	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop a strategy	-Normal development of the dentoalveolar system; - classification, etiology, pathogenesis of hard tissue diseases - methods of clinical examination of patients with pathology of solid dental tissues; - methods of diagnostics, prevention and therapeutic treatment pathology of hard tissues of teeth; - Causes of complications diagnosis and treatment of dental caries	ID-1UK-1 Analyzes the problem situation and decomposes it into separate tasks ID-2UK-1 Develops a strategy for solving problems ID-3UK-1 Forms possible solutions to problems	- methods of 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 the methods of abstract thinking, analysis and synthesis, analyze alternative options for solving research problems and evaluate the effectiveness of the implementation of these options	skills of presenting an independent point of view, analysis and logical thinking, public speech, moral and ethical argumentation, discussions and round tables;
2	UC-6	Able to identify and implement the priorities of their own activities and ways to improve them		ID-1UK-6 Assesses own resources and their limits (personal, situational, temporary), uses them	<ul><li>potential strengths</li><li>and weaknesses of</li><li>the personality;</li><li>effective ways of</li></ul>	- make long-term and short-term plans; - organize your	- techniques for analyzing meaningful life problems and setting priorities;

		based on self-assessment		optimally for the	self-learning;	time;	- planning your
		and lifelong learning		successful completion of	- methods of	- build a portfolio;	professional
				the assigned task	effective time	- plan your life for	trajectory
				ID-2UK-6 Determines the	planning;	the period of	
				priorities of personal	- major time	study in an	
				growth and ways to	wasters	educational	
				improve one's own		organization	
				performance based on			
				self-assessment			
3	GPC-1	Able to implement moral	Examination of a dental	ID-1OPK-1 Complies	-professional ethics	- communicate	- communication
		and legal norms, ethical	patient with pathology of	with moral and legal	and deontology of	with patients and	skills with colleagues
		and deontological	hard dental tissues of carious	standards in professional	medical practice;	colleagues;	and patients
		principles in professional	and non-carious origin.	activities.	-the role of	- work in a team	
		activities	Iatrogenicity in dental	ID-2OPK-1 Able to assess	informed consent	in the diagnosis	
			practice.	the social and personal		and treatment of	
			Ergonomics and	characteristics of the		various types of	
			deontological principles in	patient and the degree of		pathology	
			the treatment of caries and	their influence on the			
			non-carious lesions of hard	course of the disease			
			dental tissues.	ID-3OPK-1 Presents			
				professional information			
				in the process of			
				intercultural interaction,			
				observing the principles of			
				ethics and deontology			
4	GPC -2	Able to analyze the results	Differential diagnosis of	ID-10PK-2 Capable of	causes of	plan the treatment	- methods of
		of their own activities to	caries.	analyzing errors in the	complications in	of dental caries,	examination of
		prevent professional	Mistakes in the diagnosis.	diagnosis and treatment of	therapeutic practice	non-carious	patients with caries and other diseases of
		errors	Mistakes made in the	dental caries	in the treatment of	lesions of hard	hard dental tissues;
			treatment of caries.	ID-2OPK-2 Able to	dental caries, non-	dental tissues;	methods of
			Treatment of complications	prevent and eliminate	carious lesions of	- identify,	remineralizing
			of caries arising from	complications arising in	hard dental tissues	eliminate and take	therapy, carious spot
			professional errors.	the treatment of caries.	and methods for	measures to	infiltration; methods of treatment of

5	GPC -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 therapeutic dentistry. Classification of caries and non-carious lesions of hard dental tissues	ID-1OPK-5 Uses the algorithm of clinical laboratory and functional diagnostics in solving professional problems. ID-2OPK-5 Competently interprets the results of the main and additional methods of examination ID-3OPK-5 Uses modern classifications to make a final diagnosis	their prevention; errors that occur in the treatment of dental caries, non-carious lesions of hard dental tissues, methods for their prevention and elimination  - a method of collecting information from dental patients - a method of examining dental patients - the etiology and pathogenesis of diseases of dental diseases - a modern classification, clinical symptoms of caries and non-carious lesions - modern methods of clinical and paraclinical	prevent complications in the treatment of dental caries, non- carious lesions of hard dental tissues; treat caries using non- invasive and invasive methods to preserve the viability of the pulp and restore the shape and function of the tooth in patients  - analyze and interpret the information received from patients - conduct examinations of dental patients - interpret the results of instrumental, laboratory examination of hard dental tissues	- the skills of obtaining information from dental patients) - the skills of primary examination in accordance with the current methodology - the skills of making a diagnosis - re-examination skills in accordance with the current methodology
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6	GPC -6	Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional problems	Methods for conducting remineralizing therapy, carious spot infiltration; methods of treatment of patients with dental caries; methods of treatment of patients with diseases of hard tissues of teeth of noncarious origin; methods of whitening vital teeth; methods of atraumatic preparation of carious cavities	ID-10PK-6 Apply clinical recommendations (treatment protocols) on the provision of medical care ID-20PK-6 Takes into account the clinical and pharmacological characteristics of the main groups of drugs when choosing specific drugs for the treatment of caries and non-carious lesions of hard dental tissues ID-30PK-6 Carries out the correct choice of filling material	diagnosis of caries and non-carious lesions of the teeth  -standards of medical care for diseases -clinical picture, features of the course of complications of the carious process;  - modern methods of treatment of caries and non-carious lesions;  - the mechanism of action of the main groups of drugs; main properties and characteristics of modern filling materials used in the treatment of pathology of hard dental tissues.	- use the necessary medical equipment - prescribe drug and non-drug therapy, taking into account the age and clinical picture of the disease - analyze the effect of drugs in terms of the totality of their pharmacological effects on the body - evaluate the effectiveness and safety of drug and non-drug methods of treatment	- the skills to develop a treatment plan, taking into account the clinical picture of the disease - the skills of prescribing drug and non-drug therapy, taking into account the clinical picture of the disease - skills - skills in providing medical care in emergency situations - skills in assessing the effectiveness and safety of drug therapy skills in assessing the effectiveness and safety of non-drug methods of treatment
7	GPC -13	Able to solve standard tasks of professional activity using information, bibliographic resources, biomedical terminology, information and communication technologies, taking into account the basic	Organization and equipment of the dental office Examination of a dental patient in the treatment of caries and non-carious lesions of hard dental tissues Preparation of the oral cavity for the treatment of caries and non-carious lesions of hard dental tissues.	ID-1OPK-12 Uses modern information and communication tools and technologies in professional activities.  ID-2OPK-12 Complies with the rules of information security in professional activities.	-composition and purpose of the main elements of a personal computer, their characteristics; - concepts and classification of software	-use educational, scientific, popular science literature, the Internet for professional activities; - carry out statistical processing of experimental	- basic information transformation technologies: text, spreadsheet editors; - techniques of working on the Internet for professional activities; - medical-functional conceptual apparatus;

requirement information	dental caries. Epidemiology of dental caries. Clinic, diagnosis, differentia diagnosis of dental caries. Treatment methods for dental caries.		- basics of probability theory and mathematical statistics; -	data;	- methods of processing text and graphic information
	mof the patient to establish a dental patient: basic (questioning, examination additional (electroodontodiagnostics, X-ray examination) laboratory methods, special index assessment of the condition of the teeth periodontium.  Medical record of a denta patient, filling rules. section of the medical record.  Caries classificationsaccording to the intensity of the injury, according to the localization of the carious process in the dentition, according to the disease,  WHO classification, process development,  Black's classification of carious cavities.  according to the location of the carious lesion.	, interprets the results of collecting information from patients ID-2PK-1 Competently interprets the data of instrumental, laboratory and functional studies , ID-1PK-1 Takes into account the data of consultations of patients	- Topographic anatomy of the head, maxillofacial region, features of blood supply, innervation and lymphatic system, structure of teeth, periodontium, oral mucosa, - age-related changes in the maxillofacial region, features of the impact on it of the external and internal environment -special and additional research methods for the differential diagnosis of dental diseases; - medical indications to	and scope of instrumental and laboratory studies; - justify the need and scope of additional examinations of patients (including radiographs, teleroentgenograms, orthopantomograms, tomograms (on film and digital media)) - conduct physical examinations and interpret their results; - conduct a	- the skills of collecting complaints, anamnesis of the disease, anamnesis of life in dental patients with diseases of the oral mucosa and CCG; - skills of examination, probing of teeth, palpation, percussion, thermometry; skills in reading the results of additional laboratory research methods

9	PC-2	Prescribing, monitoring the effectiveness and	Clinical guidelines (treatment protocols) for the	ID-1 PC-2 Prescribes drug therapy for diseases in	the use of X-ray and other methods of additional examination;  -Groups of drugs, their	for consultation to specialist doctors  - Prescribe drug therapy for caries	<ul><li>application methods</li><li>of drug treatment</li><li>physiotherapeutic</li></ul>
		safety of non-drug and drug treatment	diagnosis of dental caries. Organization of medical care for patients with dental caries Characterization of algorithms and features of the use of medicines in the treatment of caries and noncarious lesions. Methods of remineralizing therapy. Characteristics of the algorithms and features of the implementation of nondrug care in the treatment of caries and non-carious lesions: ensuring proper oral hygiene, filling a carious defect. Classification and characteristics of the main filling materials used for the treatment of caries and non-carious lesions.	accordance with existing medical indications, taking into account the pharmacodynamics and pharmacokinetics of drugs ID-2 PC-2 Prescribes nondrug therapy in accordance with medical indications ID-3 PC-2 Evaluates the effectiveness and safety of drug treatments ID-4 PC-2 Assesses the efficacy and safety of nondrug treatments ID-5 PC-2 Analyzes the effect of drugs in terms of the totality of their pharmacological effects ID-6 PC-2 Analyzes the effect of non-drug methods of treatment in terms of the totality of	pharmacokinetics, pharmacodynamics, drug compatibility - clinical picture, - the main methods of treatment (medical indications, contraindications, complications) of caries and non- carious lesions of hard dental tissues -principles, techniques and methods of anesthesia in dentistry -device principles and operating rules of modern medical products and equipment -standards of care for hard tissues of teeth of carious and non-carious origin	and non-carious lesions, taking into account the pharmacodynamic s and pharmacokinetics of drugs - evaluate the effectiveness and safety of medical methods of treatment of hard dental tissues - evaluate the efficacy and safety of non-pharmacological treatments for caries and non-carious lesions	methods of treatment of diseases of hard tissues of teeth - skills to provide qualified medical care to dental patients with diseases of hard dental tissues using modern methods of treatment approved for use in medical practice - Skills in providing medical care in emergency cases and urgent forms

				their properties  ID-7 PC-2 Makes up prescriptions for medicines, write out prescriptions for diseases, pathological processes and conditions  ID-8 PC-2 Uses medicines, medical devices (including dental materials, tools)			
10	PC-4	Carrying out and monitoring the effectiveness of sanitary and anti-epidemic and other preventive measures to protect public health	Sanitary and hygienic standards for the organization of dental therapeutic care.  Algorithm for a preventive examination of a dental patient.  Index assessment of the state of oral hygiene. Indices assessing caries resistance of enamel. Individualized caries prevention. The role of nutrition in the development of caries.  Hygiene prophylactic.  Controlled oral hygiene.  Methods and means of remineralizing therapy.  Invasive and non-invasive fissure sealing.	ID-1 PC-4 Conducts preventive examinations of various categories of citizens  ID-2 PC-4 Prevents 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 carrying out anti-epidemic measures for infectious diseases (submission of an emergency notification of	-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	preventive examinations of various categories of citizens -Prevent caries and non-carious lesions - Apply methods	- 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 noncarious lesions using modern methods of prevention approved for use in medical practice - skills of brief counseling on the prevention of caries and non-crious lesions

				the focus of infection, identification and observation 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 PK-4 Uses personal protective equipment	region in adults and children, their prevention - Fundamentals of preventive medicine aimed at improving the health of the population		
11	PC-5	Conducting sanitary and hygienic education among the population and medical workers in order to form a healthy lifestyle	Sanitary and hygienic education in the field of prevention of dental diseases. Definition, goals, objectives, forms, methods and means of dental education.  Materials on dental education and principles for their development	ID-1 PC-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 the 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	The main criteria for a healthy lifestyle and methods for its formation  Forms and methods of sanitary and hygienic education among the population and medical workers  The main hygienic measures of a health-improving nature that promote health and prevent diseases	Conduct health and hygiene education among patients (their relatives/legal representatives) and medical workers in order to promote a healthy lifestyle To form in patients (their relatives/legal representatives) behavior aimed at maintaining and improving the	The skills of teaching hygienic measures of a health-improving nature, which promote health and prevent the occurrence of diseases of hard dental tissues. Compliance with the principles of medical ethics and deontology in working with patients (their relatives/legal representatives), colleagues

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	1 1/1.	1 1 - 6 1 1/1.	
	l health	level of health	

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

The practice belongs to the basic part of Block 2 of the Practice 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.			TF - 4 - 1 124	T. 4.1	Semester
No. p/n	Type of wor	·lz	Totalcredit units	Total hours	8
p/11	Type of wor	umts	nours	hours	
1	2	3	4	5	
1	Contact work of students with		48		
	teacher (total), including:				
2	Student Independent Work (SIW)			24	
3	Type of intermediate	credit (C)			
	attestations	exam (E)			+
4	TOTAL:General	hours		72	72
	laboriousness	Z	2		

#### 5. Practice content

No./n	semester number	Name of the topic (section) of practice	Contact. watch	Myself. Slave.	Total hours
1	2	3	4	5	6
1		Preparatory stage.	2	2	4
2		Dental examination of the patient.	4	2	6
3		Anesthesia methods in therapeutic dentistry	6	2	8
4		Prevention of common complications.	6	2	8
5	8	Treatment of carious and non-carious lesions	6	4	10
6		Methods of treatment of pulpitis.	8	4	12
7		Methods of treatment of periodontitis.	8	4	12
8	1	Periodontal diseases, diagnosis, treatment.	8	4	12
TOTAL:	•		48	24	72

#### 6. Indication of reporting forms by 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
1	2	3	4	5	6	7
1	UK-1.6 GPC- 1, 2, 5, 6, 13 PC- 1, 2, 4, 5	8	see the standard for assessing the quality of education, approved. By order of the Federal State		see the standard for assessing the quality of education, approved. By order of the Federal State Budgetary Educational	Test tasks; Control tasks.

	Budgetary	Institution of Higher	Institution of Higher	
	Educational	Education SOGMA of the	Education SOGMA of the	
	Institution of Higher	Ministry of Health of Russia	Ministry of Health of	
	Education SOGMA	dated July 10, 2018, No.	Russia dated July 10, 2018,	
	of the Ministry of	264 / o	No. 264 / o	
	Health of Russia			
	dated July 10, 2018,			
	No. 264 / o			

### 8. The list of educational literature and Internet resources required for practice

No ./P	Name	The authors)	Year, place of publication	Number of copies	
				in bible	at the departm ent
1	2	3	4	5	6 6
1.	Safe anesthesia in dentistry	S. A. Rabinovich [i dr.].	M.: GEOTAR- Media, 2018	"Student Advisor"http://ww w.studmedlib.ru/bo ok/ISBN97859704 44788.html	
2.	Dental instrumentation: atlas	Bazikyan E. A	M.: GEOTAR- Media, 2015,2017	w.studm	"http://ww nedlib.ru/bo N97859704
3.	Practical therapeutic dentistry. Tutorial	Nikolaev A.I.,. Tsepov L. M.	M.: MEDpress- inform, 2014	27	
4.	Therapeutic dentistry: national guidelines	L. A. Dmitrieva, Yu.M. Maksimovsky	Moscow: GEOTAR- Media, 2015, 2009	1 1	

5.	Therapeutic dentistry, part 1. Diseases of the teeth: a textbook for students	E. A. Volkov, O. O. Yanushevich.	Moscow: GEOTAR- Media, 2013.	99	"Student Advisor"h ttp://www .studmedli b.ru/book/ ISBN 97859704 26296.ht ml
6.	Local anesthesia in dentistry: textbook. allowance	Ed. E. A. Bazikyan.	M.: GEOTAR- Media, 2014 2016	34	
7.	Emergency care in dentistry.	Bichun A. B.	M.: GEOTAR- Media, 2014	"Student Advisor"http://ww w.studmedlib.ru/bo ok/ISBN97859704 30354.html	
8	Oral hygiene: study guide	Ed. A. A. Remizova	Moscow : GEOTAR- Media, 2021	100	
9.	Local anesthesia in the outpatient practice of a dentist: a textbook.	Kozlova M.V.	Moscow: GEOTAR- Media, 2021	w.studn	" <u>http://ww</u> nedlib.ru/bo N97859704

10.	Dictionary-reference	Ed. I. M. Rasulova.	M.: Pero, 2019	1	
	book of medical dental				
	terms and concepts				
11.	Radiation diagnostics in	Ed. A. Yu. Vasilyeva	M.: GEOTAR-	1	
	dentistry: national		Media, 2010		
	guidelines				



#### 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
1	ModernLib - electronic library,	http://modernlib.ru
2	Russian Dental Portal.	www.stom.ru
3	Electronic books on dentistry.	www.web-4-u.ru/stomatinfo
4	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	www.studmedlib.ru
	medical universities	
8	Federal Electronic Medical Library	feml.scsml.rssi.ru/feml
	(FEMB)	

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

The Department of Dentistry No. 3 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  $283 \text{ m}^2$ .

The department has: phantom class (57 sq. m<sup>2</sup>),

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educational and treatment room No. 13 - 18.4 m2 (one installation); educational and treatment room No. 14 joint. with a training room - 21.6 m². (one installation); educational and treatment room No. 15 joint. with a study room -81 m². (four settings); educational and treatment room No. 25 joint. with a training room (three installations) -26.2 m²; educational and treatment room No. 26 together with the office of the head of the department 31 m²(two installations); educational and methodical room No. 17 (10 m²); assistant - 9 m².
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(Corridor 2nd floor - 15.3 m<sup>2</sup>. Corridor 3rd floor - 14.3 m<sup>2</sup>)

Part of the classes is held in the educational building No. 2 on the territory of the Federal State Budgetary Educational Institution of Higher Education SOGMA, in classrooms allocated for this purpose.

No./ P	equipment identification	Quantity	Technical condition				
1	2	3	4				
	Special equipment						
1	1 notebook		good				
2	projector	1	good				
3	PC	3	good				
4	Dental units	12	good				
phantoms							
1	Dental phantom units	15	satisfactory				
dummies							
1	Preparation jaws	12	satisfactory				