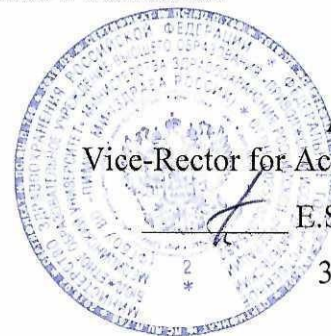


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED
Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **DENTISTRY**

Specialty: **31.05.01 GENERAL MEDICINE**

Qualification: **GENERAL PRACTITIONER**

Department: **ORAL AND MAXILLOFACIAL SURGERY**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **72 academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.01 General medicine, approved by Order of the Ministry for Education and Science of the Russian Federation No. 984 of August 12, 2020.

Developers of the work program:

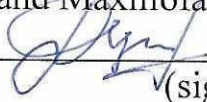
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The program was reviewed and approved at the meeting of the department of Oral and Maxillofacial Surgery (Protocol No. 8, 01.03.2021)

Head of the Department of Oral and Maxillofacial Surgery, MD, PhD, Professor  (Durnovo E.A.)
(signature)

01.03.2021

AGREED

Deputy Head of EMA ph.d. of biology  Lovtsova L.V.
(signature)

01.03.2021

1. The purpose and objectives of mastering the academic discipline «Oral Surgery» (hereinafter – the discipline)

1.1 The purpose of mastering the discipline: UC-1; GPC -5, GPC-6; PC-5, PC-6, PC-8.

1.2 Tasks of the discipline: to know the principles of organization of dental service, etiology, pathogenesis, diagnostics, basic principles of treatment of dental diseases, their prevention.

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

- the legislation of the Russian Federation in the field of health protection, regulatory legal acts and other documents;
- general issues of organizing dental care for the population, methods of laboratory and instrumental examinations to assess the state of dental health; modern classifications of dental diseases and pathology of the maxillofacial region, including ICD-10;
- etiology, pathogenesis, clinical aspect, clinical peculiarities and possible complications of dental and face and neck diseases;
- basic principles of treatment and prevention of dental diseases;
- peculiarities of first aid treatment for dental diseases, traumatic injuries and gunshot wounds of the maxillofacial region;
- relationship of systemic diseases with diseases of the oral cavity, chronic odontogenic infection;

Be able to:

- diagnose dental diseases, inflammatory diseases, traumatic injuries and tumors of the maxillofacial region;
- prescribe additional investigations in the diagnosis of a dental disease or pathology of the maxillofacial region;
- state preliminary diagnosis – to synthesize information about the patient in order to determine the pathology and the reasons that cause it;
- identify the presence of an odontogenic focus on the X-ray, violation of the integrity of facial skeleton bones;
- formulate a clinical diagnosis - develop an action plan, taking into account the nature of the course of the disease and its treatment;
- provide first aid for acute toothache, urgent inflammatory and traumatic conditions;

Possess:

- the rules for maintaining medical records of dental patients and patients with pathology of the maxillofacial region;
- the methods of general clinical examination, interpretation of the results of laboratory, instrumental diagnostic methods, diagnosis of the main clinical syndromes;
- the peculiarities of care and nutrition of maxillofacial patients and patients wounded in the face;
- the principles of prevention of dental diseases and clinical examination of patients.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization.

2.1. The discipline «Dentistry» refers to the core part of Block 1 of GEP HE «Dentistry». The discipline «Dentistry» is taught in 9 semester of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

1. Normal human anatomy;
2. Pathological anatomy;
3. Topographic anatomy and operative surgery;
4. Normal physiology;
5. Pathological physiology;
6. Pharmacology, microbiology.

2.3. Mastering the discipline is required for forming the following knowledge, skills and abilities for subsequent academic disciplines:

1. Otorhinolaryngology;
2. Ophthalmology;
3. Internal medicine;
4. General surgery;
5. Oncology;
6. Industrial practices " Doctor's assistant of an outpatient clinic".

3. Deliverables of mastering the academic discipline and metrics of competence acquisition:

Mastering the discipline aims at acquiring the following universal (UC) or/and general professional (GPC) or/and professional (PC) competencies:

No.	Competence code	The content of the competence (or its part)	Code and name of the competence acquisition metric	As a result of mastering the discipline, the students should:		
				Know	Be able to	Possess
	UC 1	Ability for abstract thinking, analysis, synthesis	IUC 1.1 Know: Methods and techniques of philosophical analysis; searching and processing information IUC 1.2 be able to: analyses and evaluate the situation on their own; to use educational, scientific, popular literature, Internet on a given topic for the note-taking; IUC 1.3 possess: possess the skills of	the legislation of the Russian Federation in the field of health care, regulations and other documents that determine the activities of medical organizations and healthcare workers;	assess social factors affecting the patient's physical and psychological health: cultural, ethnic, religious, individual, family, social risk factors (unemployment, violence, illness and death of relatives, etc.)	proper medical record maintaining; interpretation of the results of laboratory, instrumental diagnostic methods

			presenting an independent point of view, analysis and logical thinking			
	GPC-5	Ability and readiness to analyse the results of one's own activities to prevent professional mistakes	<p>IUC 1.1 Know: etiology, pathogenesis and preventive measures of the most common diseases of the maxillofacial region; modern classification of diseases; criteria for the diagnosis of various nosologies of the maxillofacial region; indications for hospitalization of patients in a hospital;</p> <p>IUC 1.2 be able to: assess the patient's condition to decide on the need for medical care;</p> <p>IUC 1.3 possess: proper medical record maintaining of patients with pathology of the maxillofacial region;</p>	etiology, pathogenesis and preventive measures of the most common diseases of the maxillofacial region; modern classification of diseases; criteria for the diagnosis of various nosologies of the maxillofacial region; indications for hospitalization of patients in a hospital;	assess the patient's condition to decide on the need for medical care;	proper medical record maintaining of patients with pathology of the maxillofacial region;
	GPC-6	Able to maintain medical records	<p>IUC 1.1 Know: basic accounting and reporting medical documentation in medical organizations of the dental and maxillofacial profile;</p> <p>IUC 1.2 be able to:</p>	basic accounting and reporting medical documentation in medical organizations of the dental and maxillofacial profile;	maintain medical records of various nature in dental outpatient clinics and hospitals;	proper maintenance of medical accounting and reporting documentation in medical institutions;

			maintain medical records of various nature in dental outpatient clinics and hospitals; IUC 1.3 possess: proper maintenance of medical accounting and reporting documentation in medical institutions;			
	PC-5	Able to collect complaints, anamnesis of the patient's life and illness, examination results, laboratory, instrumental, pathoanatomical and other studies in order to recognize the condition or establish the presence or absence of the disease;		diagnostic methods, diagnostic capabilities of methods for examining a patient with a dental profile, modern methods of clinical, laboratory, instrumental examination of patients (including endoscopic X-ray methods, ultrasound diagnostics, morphological ones); criteria for diagnosis of various diseases of the maxillofacial region; clinical picture, course peculiarities and possible complications of the most common dental diseases and pathology of the maxillofacial region;	determine the status of the patient: collect anamnesis, conduct a survey of the patient and / or his relatives, conduct a physical examination of the patient (examination, palpation, auscultation, measurement of blood pressure, determination of the properties of the arterial pulse, etc.); conduct an initial examination of systems and organs: endocrine, immune, respiratory, cardiovascular, blood and hematopoietic organs, digestive, urinary, musculoskeletal and joints, examination of the maxillofacial region and oral cavity; fill out a medical history;	methods of general clinical examination; interpretation of the results of laboratory, instrumental methods of diagnostics; an algorithm for an extended clinical diagnosis; correct maintenance of medical records;
	PC-6	An ability to determine in patients the main pathological conditions, symptoms, syndromes of diseases, nosological forms in accordance with		diagnostic methods, diagnostic capabilities of methods for examining a patient with a dental profile, modern methods of clinical, laboratory, instrumental	determine the status of the patient: collect anamnesis, conduct a survey of the patient and / or his relatives, conduct a physical	own the methods of general clinical examination; interpretation of the results of laboratory, instrumental methods of

		the International Statistical Classification of Diseases and Related Health Problems (ICD)		<p>examination of patients (including endoscopic X-ray methods, ultrasound diagnostics, morphological ones); criteria for diagnosis of various diseases of the maxillofacial region;</p> <p>clinical picture, course peculiarities and possible complications of the most common dental diseases occurring in a typical form in different age groups;</p>	<p>examination of the patient (examination, palpation, auscultation, measurement of blood pressure, determination of the properties of the arterial pulse, etc.); conduct an initial examination of systems and organs: endocrine, immune, respiratory, cardiovascular, blood and hematopoietic organs, digestive, urinary, musculoskeletal and joints, examination of the maxillofacial region and oral cavity; fill out a medical history;</p>	<p>diagnostics; an algorithm for an extended clinical diagnosis; correct maintenance of medical records;</p>
	PC-8	An ability to determine the tactics of managing patients with various dental diseases and pathologies of the maxillofacial region		<p>methods of emergency measures and indications for hospitalization of patients in hospital; assistance methods for traumatic injuries of the maxillofacial region.</p>	<p>identify a condition that requires urgent dental and medical care that is beyond the competence of a general dentist and immediately contact the appropriate specialists.</p>	<p>first aid techniques for maxillofacial injuries.</p>

4. Sections of the academic discipline and competencies that are formed when mastering them:

№	Competence code	Section name of the discipline	The content of the section in teaching units
	UC-1	Methods of examination of patient.	<p>METHODS OF PHYSICAL EXAMINATION: methods of questionnaire complaints and anamnesis of patient (The history of the development of the anamnesis method, the psychological side of the anamnesis. Ethics of questioning the patient, methods of establishing contact with the patient. Requirements for the culture of doctor's speech. The specificity of the questioning about the intimate aspects of the patient's life. Diagnostic value of the patient's responses. Psychological problem of simulation and aggravation. Official anamnesis, patient complaints - basic and additional, anamnesis of the present disease, anamnesis of life).</p> <p>Method of examination of patient (General condition of the patient. Consciousness, types of its disturbance (gloomy, stupor, coma). Position of the patient (active, passive, forced). Types of forced positions. Build. Types of constitution (normosthenic, hypersthenic, asthenic). Posture. Gait. Body temperature.</p> <p>Skin and visible mucous membranes. Change in skin color. Color: pale pink, pale, cyanotic, icteric, bronze, cherry red, earthy, etc. Eruptions. Xanthomas. Vascular "stars". Expansion of the veins. Skin moisture. Turgor. Condition of hair and nails. Subcutaneous tissue, its development (moderate, weak, excessive). Areas where fat is most deposited. Cachexia. The presence of pastosity and edema. Characteristics of edema, their localization and prevalence (general, local). Ways to detect latent edema: weighing, diuresis. The lymph nodes. Palpation. Determination of the size, consistency, soreness, mobility with their increase, fusion between themselves and surrounding tissues. Diagnostic value of the found changes.</p> <p>Examination of body parts (head, neck, muscles, bones, joints, chest, abdomen, anthropometric measurements). Palpation of the pulse. Pulse properties. Properties of the pulse of the radial arteries. Comparison of the pulse on both hands. Voltage. Filling. Value. The nature of the pulse wave. Pulse deficit. Examination of the pulse of other arteries - temporal, popliteal, femoral, dorsal foot.</p> <p>Method of palpation. Palpation of soft tissues and</p>

			<p>bone structures of the maxillofacial region and oral cavity.</p> <p>Palpation of soft tissues. Determination of painful areas, formations, their localization, size, boundaries, density, fluctuation symptom, local increase in temperature in the area of the pathological focus of tissues of the maxillofacial region. Diagnostic value of the found changes.</p> <p>Palpation of the masticatory muscles.</p> <p>Determination of soreness and tension of masticatory muscles, identification of pain points in various diseases of the temporomandibular joint.</p> <p>The lymph nodes. Palpation. Determination of the size, consistency, soreness, mobility with their increase, fusion between themselves and surrounding tissues. Diagnostic value of the found changes.</p> <p>Salivary glands. Palpation. Determination of size, consistency, soreness, mobility with their increase, fusion between themselves and surrounding tissues. Diagnostic value of the found changes.</p> <p>Upper and lower jaws, zygomatic bone, nose. Palpation. Determination of size, pain, pathological mobility, fusion with surrounding tissues, the presence of a bone defect. Definition of restriction of mobility of the lower jaw. Diagnostic value of the found changes.</p> <p>Palpation of the temporomandibular joint. Determination of the synchronism of movements of the articular heads, pain, limited mobility of the lower jaw.</p> <p>Method of percussion.</p> <p>Brief historical information about the development of percussion as a research method. Significance of Auenbrugger, Corvisar and domestic researchers in the development of this method.</p> <p>Physical substantiation of percussion. Rules and technique of percussion of the tooth. Percussion vertical and horizontal, comparative percussion. Diagnostic value.</p> <p>Method of auscultation.</p> <p>Brief historical information about the development of auscultation as a research method. The role of Laennec. The significance of the work of domestic researchers in the development of this method.</p> <p>Physical substantiation for auscultation. Rules and technique of auscultation. Direct and indirect auscultation.</p> <p><u>Auscultation of the temporomandibular joint.</u></p> <p>Listening to noise, crepitus and crunch in the</p>
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			temporomandibular joint.
	GPC-5	<p>Methods of examination of patient.</p> <p>Diseases of the maxillofacial region and oral cavity.</p> <p>(examination methods, symptoms of the most common diseases, main clinical syndromes)</p>	<p>Physical methods of examination (anamnesis method, examination method, palpation method, percussion method, auscultation method) - see details in paragraph UC-1.</p> <p>Diseases of the maxillofacial region and oral cavity.</p> <p>(methods of research, symptoms of the most common diseases, main clinical syndromes) - see details in paragraph <i>GPC -1</i>.</p>
	GPC-6	<p>Methods of examination of patient.</p> <p>Diseases of the maxillofacial region and oral cavity.</p> <p>(examination methods, symptoms of the most common diseases, main clinical syndromes)</p>	<p>Physical methods of examination (anamnesis method, examination method, palpation method, percussion method, auscultation method) - see details in paragraph <i>OK -1</i>.</p> <p>Dental diseases and pathology of the maxillofacial region.</p> <p>(methods of research, symptoms of the most common diseases, main clinical syndromes) - see details in paragraph <i>GPC -1</i>.</p>
	PC-5	<p>Methods of examination of patient. Dental diseases and pathology of the maxillofacial region.</p> <p>(examination methods, symptoms of the most common</p>	<p>Physical methods of examination (anamnesis method, examination method, palpation method, percussion method, auscultation method) - see details in paragraph <i>UC-1</i>.</p> <p>Dental diseases and pathology of the maxillofacial region.</p> <p>(methods of research, symptoms of the most common diseases, main clinical syndromes) - see details in paragraph <i>GPC -1</i>.</p>

		diseases, main clinical syndromes)	
	PC-6	Methods of examination of patient. Dental diseases and pathology of the maxillofacial region. (examination methods, symptoms of the most common diseases, main clinical syndromes)	Physical methods of examination (anamnesis method, examination method, palpation method, percussion method, auscultation method) - see details in paragraph <i>UC-1</i> . Dental diseases and pathology of the maxillofacial region. (methods of research, symptoms of the most common diseases, main clinical syndromes) - see details in paragraph <i>GPC -1</i> .
6	PC-8	Patient examination methods. Dental diseases and pathology of the maxillofacial region (tactics of managing patients with various dental diseases and pathology of the maxillofacial region)	Dental diseases and pathology of the maxillofacial region. (methods of research, symptoms of the most common diseases, main clinical syndromes) - see details in paragraph <i>GPC -1</i>).

5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity		Labor intensity (AH) in semesters
	volume in credit units (CU)	volume in academic hours (AH)	
Classroom work, including	2	72	72
Lectures (L)	0.28	10	10
Laboratory practicum (LP)			
Practicals (P)			
Clinical practical classes (CPC)	0.94	34	34
Seminars (S)			
Student's individual work (SIW)	0,78	28	28
Научно-исследовательская работа студента			
Mid-term assessment			
TOTAL LABOR INTENSITY	2	72	72

6. Content of the academic discipline.

6.1. Sections of the discipline and types of academic work:

№	Term number	Name of the section of the academic discipline	Types of academic work* (in AH)*					
			L	LP	P	S	SIW	total
		Organizational structure of the dental service. Methods of examination of a dental patient. Dental diseases: caries, pulpitis, periodontitis. Prevention of dental diseases.			5		4	9
		Odontogenic inflammatory diseases of jaws and soft tissues of the face and neck. Diagnostics and treatment.	2		5		4	11
		Non-odontogenic inflammatory diseases of the maxillofacial region. Specific inflammatory diseases of the maxillofacial region (actinomycosis, tuberculosis, syphilis).	2		5		4	11
		Local anesthesia and tooth extraction. Complications.	2		5		4	11
		Traumatic injuries of maxillofacial region. Traumatic injuries to the face and neck. The combined craniofacial injury. Diagnostic, first aid to injured people, peculiarities of treatment.	2		5		4	11
		Gunshot injuries of the maxillofacial region. Diagnostics, first aid to injured people, temporary immobilisation in case of jaw fractures, primary surgical treatment of facial wounds.	2		4		4	10
		Benign and malignant tumors of maxillofacial region. Tumour-like diseases. Clinical picture, diagnostics and treatment. Screening.			5		4	9
		Control medical history	-					
		<i>Credit</i>						
		TOTAL:	10		34		28	72

* - L – lectures; LP – laboratory practicum; P – practicals; S – seminars; SIW – student's individual work.

6.2.1 Thematic schedule of lectures *:

		Semester 9
№	Name of lecture topics	Volume in AH
1.	Inflammatory diseases of the maxillofacial region. Periostitis, odontogenic osteomyelitis, abscesses and phlegmon. Clinic, diagnosis, treatment. Furuncle and carbuncle, noma. Etiology, clinic, treatment. Specific inflammatory diseases of the maxillofacial area (actinomycosis, tuberculosis, syphilis).	4

2.	Local anesthesia techniques in the maxillofacial region and tooth extraction. Local complications after local anesthesia: preventive measures and treatment.	2
3.	Traumatology of the maxillofacial region. Characteristics of traumatic injuries of the face and jaws. Treatment peculiarities. Gunshot wounds of the mandible. Peculiarities of primary surgical treatment in the maxillofacial region.	4
TOTAL (total - 10 AH)		10
	The subject and tasks of dentistry. Dental diseases. Etiopathogenesis of caries and its complications. Prevention of caries. Chronic odontogenic infection.	2
	Tumor processes of the maxillofacial region. Cancer alertness, precancerous diseases and preventive measures.	2

***(full-time form, using Electronic Information Educational Systems and Distance Educational Technologies)**

6.2.2 The thematic plan of laboratory practicums: is not provided for by FSES.

6.2.3 Thematic plan of practicals:

№	Name of the topics of practicals	Volume in AH
		Semester 9
1.	Organizational structure of the dental service. Methods of examination of a dental patient. Dental diseases: caries, pulpitis, periodontitis. Prevention of dental diseases.	5
2.	Odontogenic inflammatory diseases of jaws and soft tissues of the face and neck. Diagnostics and treatment.	5
3.	Non-odontogenic inflammatory diseases of the maxillofacial region. Specific inflammatory diseases of the maxillofacial region (actinomycosis, tuberculosis, syphilis).	5
4.	Local anesthesia and tooth extraction. Complications.	5
5.	Traumatic injuries of maxillofacial region. Traumatic injuries to the face and neck. The combined craniofacial injury. Diagnostic, first aid to injured people, peculiarities of treatment.	5
6.	Gunshot injuries of the maxillofacial region. Diagnostics, first aid to injured people, temporary immobilisation in case of jaw fractures, primary surgical treatment of facial wounds.	4
7.	Benign and malignant tumors of maxillofacial region. Tumour-like diseases. Clinical picture, diagnostics and treatment. Screening.	5

8.	TOTAL (total - 34 AH)	
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*(full-time form, using Electronic Information Educational Systems and Distance Educational Technologies).

6.2.4 The thematic plan of seminars: is not provided for by FSES.

6.2.5 Types and topics of student's individual work (SIW):

№	Types and topics of SIW	Volume in AH
		Semester 9
1	<i>Preparation for clinical practical classes, doing homework, preparing for current monitoring</i>	8
2	<i>Working with lecture material</i>	4
3	<i>Working with electronic resources on the PRMU distance education portal</i>	4
4	<i>Studying the material submitted for independent study (separate topics, paragraphs), working with literary sources</i>	4
5	<i>Preparing for testing</i>	4
6	<i>Writing a control medical history</i>	4
7	<i>Total</i>	28

6.2.6 Student's research work:

№ п/п	Types and topics of SIW	Semester
1	Odontogenic phlegmons of the maxillofacial region, treatment peculiarities	9
2	New technologies in diagnostics and treatment of jaw fractures	9
3	Perforated maxillary sinusitis	9
4	Organ-specific tumors	9

7. Types of assessment formats for ongoing monitoring and mid-term assessment

№	Semest No.	Types of control	Name of section of academic discipline	Assessment formats		
				Types	number of test questions	number of test options ъ
1	2	3	4	5	6	7
	9	Control of mastering the topic	Organization structure of the dental service. Methods of examination of the dental patient. Dental diseases: caries, pulpitis, periodontitis. Prevention of dental diseases.	Test	15	Computer testing option is formed by random sampling)
				Questionnaire	1	10
				Control test	2	15
				Writing a fragment of medical history.	1	1
	9	Control of mastering the topic	Odontogenic inflammatory diseases of jaws and soft tissues of the face and neck.	Test	15	Computer testing option is formed by random sampling)
				Essay	1	1

			Diagnosis and treatment.	Questionnaire	1	12
				Writing a fragment of medical history.	1	1
				Case studies	1	5
9	Control of mastering the topic	Nonodontogenic inflammatory diseases of the maxillofacial region. Specific inflammatory diseases of the maxillofacial area (actinomycosis, tuberculosis, syphilis).	Test	15	Computer testing option is formed by random sampling)	
			Questionnaire	1	10	
			Control test	1	5	
			Case studies	1	4	
9	Control of mastering the topic	Anesthesia and extraction of teeth. Complications.	Test	15	Computer testing option is formed by random sampling)	
			Questionnaire	1	8	
			Case studies	1	15	
6	Control of mastering the topic	Traumatic injuries of the maxillofacial area. Non-gunshot wounds of the face and neck. Associated injury. Diagnosis, first aid to victims, peculiarities of treatment.	Test	15	Computer testing option is formed by random sampling)	
			Questionnaire	1	9	
			Writing a fragment of medical history.	1	1	
			Case studies	1	7	
			Essay	1	1	
5	Control of mastering the topic	Gunshot wounds of the maxillofacial area. Diagnostics, first aid to victims, transport immobilization for fractures of the jaws, PST of facial wounds.	Test	15	Computer testing option is formed by random sampling)	
			Questionnaire	1	8	
			Writing a fragment of medical history.	1	1	
			Case studies	1	5	
6	Control of mastering the topic	Benign and malignant tumors of the maxillofacial region. Tumor-like diseases. Clinic, diagnosis, treatment. Screening.	Test	15	Computer testing option is formed by random sampling)	
			Questionnaire	1	10	
			Writing a fragment of medical history.	1	1	
			Case studies	1	7	
6	Control of mastering the topic	Control medical history.	Writing a fragment of medical history.	1	1	
6	Mid-term assessment (exam)	All topics	Questionnaire	2	22	

8. Educational, methodological and informational support for mastering the academic discipline (printed, electronic publications, the Internet and other network resources)

8.1. Key literature references:

№	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1.	Abscesses and phlegmons of the maxillofacial region: study guide / E. A. Durnovo, A. I. Korsakova, I. V. Vyseltseva [и др.]. – N. Novgorod: Publishing House of Privolzhskiy Research Medical University, 2021.	http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=224823&idb=0	
2	Oral and maxillofacial surgery: An Objective-Based Textbook / J. W. Frame, J. Pedlar ; Pedlar J. ; Frame, J. W. – Edinburgh: Churchill Livingstone, 2001.	-	3
3	Oral and maxillofacial surgery, radiology, pathology and oral medicine. 1 / P. Coulthard, K. Horner, P. Sloan, E. D. Theaker; Coulthard Paul ; Horner Keith ; Sloan Philip; Theaker Elizabeth D. – Edinburgh: Churchill Livingstone, 2003.		1
4	Textbook of oral and maxillofacial surgery+2 interactive DVD-ROMs / edited by N. A. Malik. – 3rd ed. – New Delhi : Jaypee Brothers Medical Publishers (P) LTD., 2012		3
5	Pollock, R. A. Craniomaxillofacial buttresses: anatomy and operative repair / R. A. Pollock. – New York ; Stuttgart : Thieme, 2012		3

8.2. Further reading:

No.	Name according to bibliographic requirements	Number of copies	
		at the department	in the library

1.	Moore, U. J. Principles of oral and maxillofacial surgery / U. J Moore. – 6 ed. – Chichester: Wiley-Blackwell, 2011. – 357 p. – ISBN 978-1-4051-9998-8.		
2.	Sivapathasundharam, B. Shafer's textbook of oral pathology / B. Sivapathasundharam. – 8 ed. – New Delhi: Elsevier, 2016. – 794 p. – ISBN 978-81-312-4447-0.		
3.	Baker, E. W. Anatomy for dental medicine / E. W. Baker. – 2 ed. – New York: Thieme, 2015. – 578 p. – ISBN 978-1-62623-085-9.		
4.	Norton, N. S. Netter's head and neck anatomy for dentistry / N. S. Norton. – 2 ed. – Philadelphia: Elsevier, 2012. – 672 p. – ISBN 978-1-4377-2663-3.		

8.3. Electronic educational resources for teaching academic subjects:

8.3.1. Internal Electronic Library System of the University (IELSU)*

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
Internal Electronic Library System of the University (IELSU)	The works of the academy's teaching staff: textbooks and teaching aids, monographs, collections of scientific papers, scientific articles, dissertations, abstracts, patents.	from any computer with the Internet. access with an individual username and password [electronic resource] – Access mode: http://95.79.46.206/login.php	unlimited

8.3.2. Electronic educational resources acquired by the University

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
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Electronic database "Student's Consultant"	Educational literature + additional materials (audio, video, interactive materials, tests) for higher medical and pharmaceutical education. The publications are structured by specialities and disciplines in accordance with the current FSES HE	from any computer on the internet with an individual username and password [electronic resource] – Access mode: http://www.studmedlib.ru/	PIMU general subscription
Electronic Library System «Bookup»	Educational and scientific medical literature from Russian publishers, including translations of foreign editions.	Connection to any computer on the Internet with a username and password, from the academy's computers. The publications for which a subscription is issued are available for reading. [electronic resource] – Access mode: http://www.books-up.ru/	PIMU general subscription
«Bibliopoisk»	Integrated search service «Single Window» for electronic catalogues, EER and full-text databases. Single search results in the demo include documents from domestic and foreign digital libraries and databases available to the university as part of the subscription, as well as from open access databases.	A demo version of the Bibliopoisk search engine has been made available to PIMU: http://bibliosearch.ru/pimu .	PIMU general subscription
National electronic periodicals	Medical and higher education periodicals	from the academy's computers on the eLIBRARY.RU digital library platform -journals Mediasfera - from library computers or provided by the library on user request [electronic resource] – Access mode : https://elibrary.ru/	

International scientometric database «Web of Science Core Collection»	Web of Science covers material in the natural sciences, engineering, social sciences, humanities; takes into account cross-citation of publications developed and provided by Thomson Reuters; has built-in search, analysis and management of bibliographic information.	Free access from PIMU computers. [electronic resource] – Access mode: http://apps.webofknowledge.com	Free access from PIMU computers
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8.3.3 Open access resources

Name of the electronic resource	Brief description (content)	Access conditions
Federal electronic medical library (FEML)	FEML contains electronic analogues of printed publications and independent original electronic publications which have no analogues. [electronic resource] – Access mode: http://нэб.пф/	from any computer with the Internet
Scientific electronic library eLIBRARY.RU	eLIBRARY.RU is the biggest Russian informational portal in the area of STM. [electronic resource] – Access mode: https://elibrary.ru/	from any computer with the Internet
Open access scientific electronic library CyberLeninka	Full texts of scientific articles with annotations published in scientific journals of Russia and neighboring countries. [electronic resource] – Access mode: https://cyberleninka.ru/	from any computer with the Internet
Russian State Library (RSL)	Author's abstracts for which there are author's contracts with permission for open publication [electronic resource] – Access mode: http://www.rsl.ru/	from any computer with the Internet
Legal reference system "Konsultant Plus".	Federal and regional legislation, jurisprudence, financial advice, legislative commentary, etc. [electronic resource] – Access mode: http://www.consultant.ru/	from any computer with the Internet
The official website of the Ministry of Health of Russia Federation	National clinical recommendations [electronic resource] – Access mode: cr.rosminzdrav.ru - Клинические рекомендации	from any computer with the Internet
Website of the Russian Respiratory Society	clinical guidelines for the diagnosis and treatment of diseases [electronic resource] – Access mode: www.spulmo.ru – Russian Respiratory Society	from any computer with the Internet

Russian Scientific Society of Physicians	clinical guidelines for the diagnosis and treatment of internal organs diseases [electronic resource] – Access mode: www.rnmot.ru – Russian Scientific Society of Physicians	from any computer with the Internet

9. Material and technical support for mastering an academic discipline.

9.1. List of premises for classroom activities for the discipline

1. Lecture hall (lecture hall No. 1 State budgetary institution of health care of the Nizhny Novgorod region "Nizhny Novgorod regional clinical hospital named after N.A. Semashko", equipped with multimedia equipment and a microphone., Lecture hall No. 2
2. Training rooms for conducting clinical practical classes (State budgetary institution of health care of the Nizhny Novgorod region "Nizhny Novgorod regional clinical hospital named after N.A. Semashko", Privolzhsky District Medical Center of the Federal Medical and Biological Agency of Russia, hospital No. 3, City Hospital No. 39)
3. Simulation center
4. Operating rooms, dressing rooms, wards of the departments of maxillofacial surgery of health care facilities - clinical bases of the Department of Oral and Maxillofacial Surgery.

9.2. List of equipment for classroom activities for the discipline.

1. Multimedia complex (laptop, projector, screen)
2. TV
3. Computers
4. Monitors
5. Sets of thematic slides
6. Tables
7. Multimedia materials (for lectures, for practical exercises)
8. Dental examination trays with a set of instruments for examining the oral cavity.
9. Tools for teeth extract on the upper and lower jaws.
10. Jaw splinting tools, plaster and plastic models.
11. Sets for practicing suture skills.
12. A set of radiographs for diseases of the maxillofacial region.
13. Themed photo albums
14. Slides and multimedia presentations of lectures.
15. Videos "Osteosynthesis", "Tumors of the lower lip"

9.3. A set of licensed and freely distributed software, including domestic production

Item no.	Software	number of licenses	Type of software	Manufacturer	Number in the unified register of Russian software	Contract No. and date

1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of
Oral and Maxillofacial surgery

CHANGE REGISTRATION SHEET

working program for the academic discipline
DENTISTRY

Field of study / specialty / scientific specialty: 31.05.01 DENTISTRY
(code, name)

Training profile: _____
(name) - for master's degree programs

Mode of study: full-time
full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting
Protocol No. _____ of _____ 20__

Head of the Department
of Oral and Maxillofacial Surgery, MD, PhD, Professor _____ (Durnovo E.A.)
(signature)