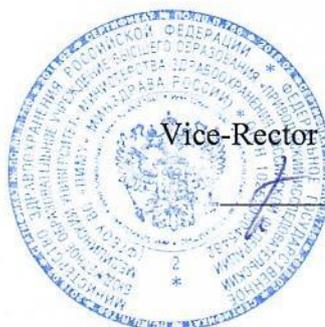


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **ASSISTANT – ORAL SURGERY**

Type of practice: **PRODUCTION**

Specialty: **31.05.03 DENTISTRY**

Qualification: **DENTIST**

Department: **ORAL AND MAXILLOFACIAL SURGERY**

Mode of study: **FULL-TIME**

Labor intensity of the academic discipline: **4 credits, 144 academic hours**

Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.03 Stomatology, 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:

Durnovo Evgeniia Aleksandrovna, M.D., Ph.D., Professor, Head of the Department of Oral and Maxillofacial Surgery, Director of the Institute of Dentistry of FSBEI HE «PRMU» MOH Russia

Khomutinnikova Nina Evgenevna, M.D., Ph.D., Associate Professor of the Department of Oral and Maxillofacial Surgery, FSBEI HE «PRMU» MOH Russia

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



(signature)

(Durnovo E.A.)

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 ASSISTANT – ORAL SURGERY (hereinafter – the discipline)

1.1. Formation of the following general cultural competencies in the graduate: GC-1, GPC-6, PC-5, PC-6, PC-8, PC-9.

1.2. Tasks of the discipline:

1. Mastering the stages of development of oral surgery, the role of leading scientists in the development of the discipline, the basics of organizing oral surgery;
2. Mastering the principles of organization of oral surgery department;
3. Development of diagnostic methods used in examination of patients with various inflammatory processes in the oral cavity;
4. Development of students' methods of treatment of various pathological processes in the oral cavity;
5. Mastering the practical skills needed to treat inflammatory processes localized in the oral cavity;
6. Formation of students' theoretical and practical skills in surgical treatment of patients with various inflammatory processes in outpatient polyclinic conditions;
7. Training in the examination of patients with diseases of the maxillofacial region;
8. Development of indications for conservative and surgical treatment of patients with diseases of the maxillofacial region;
9. Training in the preparation of a plan for the treatment of patients with diseases of the maxillofacial region;
10. Mastering the methods of conservative and surgical treatment for patients with diseases of the maxillofacial region;
11. Acquisition of methods of rehabilitation of patients with diseases of the maxillofacial region

1.3. Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should

Know:

- the stages of development of oral surgery, the role of leading scientists in the development of the discipline, the basics of organizing oral surgery;
- the principles of the organization of dental surgery and dental surgery departments;
- etiology, pathogenesis, clinical picture of various oral inflammatory processes: (periodontitis, periostitis, osteomyelitis, pericoronitis, abscesses in oral cavity), that need to be treated surgically on an outpatient basis;
- diagnostic methods used in the examination of patients with various inflammatory processes localized in the oral cavity;
- methods of treatment different inflammatory processes localized in the oral cavity;
- methods of diagnostic and treatment periodontal disease;
- indications and contraindications for tooth extraction, instruments for extracting different groups of teeth in the maxilla and mandible,

- the development of possible local complications at different stages of tooth extraction surgery in the early and late postoperative period, prevention of complications and treatments;
- techniques of basic tooth-preserving surgery;
- indications for hospitalization of a patient in the inpatient maxillofacial department;
- examination methods for patients with inflammatory diseases of the teeth, jaws and differential diagnosis of these diseases;
- principles of clinical examination of patients with inflammatory diseases;
- etiology, pathogenesis and clinic of specific inflammatory diseases of the oral cavity and salivary gland diseases;
- professional ethics and aspects of deontology in treatment and preventive doctor's work, role of Informed Consent; methods and means of Health education.

A student should be able to do the following:

1. To record medical files: fill in a case history, prescribe a medicine, and refer to a consultation as well as compile a medical sick-list;
2. To make primary examination of a dental patient with filling in a case history.
3. To follow principles of aseptics and antiseptics, to know how to sterilize hands and an operative area for surgical interventions.
4. To take a case history and record a dental formula.
5. To make careful examination of a patient:
 - Palpation: soft facial tissues, the lymphatic system, salivary glands, facial bones.
 - Examination of the sinus tract and ducts of salivary glands.
 - Making exploratory puncture.
6. To give anesthesia:
 - Application anaesthesia
 - Infiltration anesthesia for teeth extraction and facial soft tissues operations.
 - Conduction anesthesia for operations on the upper jaw and teeth extraction:
 - a. posterior superior alveolar nerve block (intraoral),
 - b. infraorbital (intraoral, extraoral),
 - c. palatal,
 - d. incisial (intraoral, extraoral).
 - conduction anesthesia for operations on the lower jaw and teeth extraction:
 - a. mandibular (intraoral, extraoral),
 - b. torusal,
 - c. mental (intraoral, extraoral),
 - d. in the lingual nerve area.
 - intraligamentous anaesthesia.
7. To extract teeth with forceps, elevators, dental drills, or mallets and spoons.
8. To extract permanent and temporary teeth with roots on the upper and lower jaws (single root, misplaced, retinal, multiple).
9. To tampon an alveolar socket after extraction in bleeding.
10. To stitch mucosa in order to stop bleeding after tooth extraction.
11. To close defects of the maxillary sinus after forming the connection with the sinus in teeth extraction, anchoring of an iodoform gauze.
12. To be aware of tactics of patient's follow up in case of root propulsion into the maxillary sinus.
13. To make prosection of inflammatory infiltrates when treating acute odontogenous processes (periostitis, alveolitis, osteomyelitis).
14. To treat a septic wound: draining, medical treatment, applying of bandage (if necessary).
15. To revise an alveolar socket.

16. To assist with an operation (resection of a root apex, bisection, root amputation, cystotomy, cystectomy, resection of small benign tumors, removal of the shortened lingual and labial frenum, elimination of salivary glands concretions from ducts), repositioning of fragments in case of a maxillofacial fracture, jaw splintage, emboling of the lower jaw.
17. To treat alveolitis with modern medicine types.
18. To treat pericoronitis.
20. To make primary wound necrectomy, justified resection of tissues (strictly by doctor's indications) hemostasis, stitching and removal of sutures.

Student must know how to give the first aid in the following cases:

1. syncope, collapse;
2. allergic reaction:
 - urticaria, Quincke's edema, anaphylactic shock;
3. toxic reactions to local anesthetics;
4. asphyxiation;
5. alveolar bleeding;
6. a stroke;
7. myocardial infarction;
8. hypertensive crisis;
9. acute heart attack;
10. an asthma attack.

Possess:

- diagnostics odontogenic inflammatory diseases (periodontitis, periostitis, osteomyelitis, pericoronitis, taking into account ICD-10 on the basis of clinical and additional research);
- to perform a simple tooth extraction;
- the treatment of acute purulent pericoronitis (dissection of the dental operculum hanging over the crown of an uncut tooth);
- palpation submandibular, submandibular, parotid, facial, superficial cervical lymph nodes;
- opening and draining of subperiosteal abscess;
- performing an operation to eliminate the sharp edge of the hole in the area of one tooth;
- providing emergency care in case of fainting;
- injecting antiseptics into the salivary gland through the duct;
- removal of drains and tampons and removal of sutures and wound dressings;
- methods of general clinical examination of a patient and preparation of the medical record of a patient with periodontal pathology; to properly manage the medical records of a patient with periodontal pathology; methods of opening periodontal abscesses;
- interpretation of the results of laboratory, instrumental diagnostic methods;
- the algorithm of a detailed clinical diagnosis;
- means and methods of rehabilitation of postoperative 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 «ASSISTANT – ORAL SURGERY» refers to the core part «Disciplines» of Block 1 of GEP HE «Dentistry».

The discipline «ASSISTANT – ORAL SURGERY» practice is taught in the 7th semester

according to the schedule. Scope of practice 4 SG.

Duration of practice 2 weeks (12 training days).

2.2. To pass the practice, knowledge, skills and abilities are required, formed by previous disciplines/practices:- "Assistant to the oral surgery"

2.3. 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. Physiology;
4. Pathophysiology;
5. Pharmacology;
6. Biochemistry;
7. Topographic anatomy and operative surgery;
8. Microbiology;
9. Histology;
10. Radiology;
11. Propaedeutic dentistry.

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

1. Maxillofacial surgery;
2. Pediatric dentistry.

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:

№	Competence code	The content of the competence (or its part)	Code and name of the competence achievement indicator	As a result of mastering the discipline, students should:		
				know	be able to	possess
1.	UC 1	Ability to 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	Methods and techniques of philosophical analysis; searching and processing information	analyses and evaluate the situation on their own; to use educational, scientific, popular literature, Internet on a given topic for the note-taking	possess the skills of presenting an independent point of view, analysis and logical thinking

			given topic for the note-taking; IUC 1.3 possess: possess the skills of presenting an independent point of view, analysis and logical thinking			
2.	GPC 6	Willingness to conduct medical documentation		maintenance of standard accounting and reporting medical documentation in medical organizations of dental profile; indication for hospitalization	maintain medical documentation of various types in dental outpatient clinics; carry out measures for the prevention	rules of registration of the medical record of the dental patient (surgical profile)
3.	PC -5	To collect complaints, anamnesis of the patient's life and illness, results of the pathological and anatomical examination for the recognition of states or establishing the presence or absence of dental disease		requirements and rules to obtain of the informed consent by the patient to the diagnostic procedures	to collect a complete medical history including of the oral cavity; examination of the patient; to perform a physical examination (inspection, palpation, auscultation, measure blood pressure, pulse, respiratory rate), refer the patient to laboratory and instrumental examination, for	methods of clinical examinations to assess the state of health; dental health; own the technique of thermometry, measure blood pressure, heart rate.

					consultation; interpret the clues.	
4.	PC -6	The identification of a patient's of pathological conditions, symptoms, syndromes of dental diseases, nosological forms according to the ICD-10 and the related health problems		etiology, pathogenesis, diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile	to diagnose dental diseases of surgical patients	
				principle of the ICD-10	to justify making a diagnosis according to the ICD-10	to make a diagnosis according to the ICD-10
5.	PC -8	Determine the algorithm for managing patients with different dental diseases		methods of outpatient dental monitoring of different age groups, rehabilitation of patients	to develop a plan for treatment according to disease, to carry out rehabilitation of maxillofacial disease	
				etiology, pathogenesis, diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile	to diagnose dental diseases of surgical patients	
				the role of local anesthesia, premedication and sedation in dental interventions	formulate indications for local anesthesia in oral dental interventions, premedication and sedation in surgical dental patients	conduct infiltration and conduction anesthesia in the oral cavity. Prescribe medication therapy before, during and after dental treatment
6.	PC -9	willingness to manage and treat patients with dental diseases in outpatient and day-care settings		clinical manifestations of the main syndromes requiring surgical treatment; types and	perform low-traumatic surgery on patients of all ages, including tooth and root extractions, small soft	manual skills in operative dentistry (simple tooth extraction, periostotomy); techniques of oral infiltration and conduction

				methods of modern anesthesia	tissue surgeries; opening, treating and draining subperiosteal abscesses	anesthesia for surgical treatment; carrying out simple tooth extraction and low-traumatic surgeries; stopping bleeding after tooth extraction
				etiology, pathogenesis, diagnosis, treatment and prevention of the most common diseases	perform low-traumatic surgery on patients of all ages	

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

№ п/п	Competence code	Section name of the discipline	The content of the section in teaching units
1.	UC 1 GPC 6 PC 5 PC 6	The department of surgical dentistry.	<p>Principles of organization of oral surgeon care in a dental clinic. Basic hygiene requirements for the premises, appearance and clothing of the dentist-surgeon. Asepsis and antisepsis in the dental surgery office. Regulations for sterilisation of dressing material, instruments. Preparation of surgeon's hands for the operation.</p> <p>The stages of the patients' examination in a dental surgery clinic. Maintenance of medical records, completing the medical history of the outpatient.</p>
2.	PC 8 PC 9	Tooth extraction surgery.	<p>Indications and contraindications. The stages of the tooth extraction. Anesthesia. Local and general complications of anesthesia. The specifics of anesthesia in persons with comorbidities. Methods for extracting teeth and roots on the lower jaw. Instruments.</p> <p>Methods for extracting teeth and roots on the upper jaw. Instruments. Complications during and after tooth extraction surgery. Preventing and eliminating the complications.</p>
3.	PC 6 PC 8 PC 9	Teething diseases.	Dystopia and retention of teeth. Difficult teething. Causes. Clinic. Indications for surgical treatment. Pericoronitis.

			Complications. Methods of surgical intervention in dystopia and retention of teeth.
4.	PC 6 PC 8 PC 9	Odontogenic inflammatory diseases of the jaw (periodontitis, periostitis, odontogenic osteomyelitis).	<p>Periodontitis - etiology, pathogenesis, pathological anatomy, routes of infection. Acute purulent periodontitis and exacerbation of chronic periodontitis. Radicular cyst. Clinic, diagnosis, differential diagnosis and treatment. Chronic periodontitis. Classification, clinical and radiological diagnosis, differential diagnosis. Surgical treatment of chronic periodontitis: root apex resection, hemisection and amputation of the root, replantation of the teeth. Principles of retrograde root canal treatment of resected root.</p> <p>Periostitis of the jaw. Acute purulent periostitis of the jaws. Etiology, pathogenesis, pathological anatomy. Pathogenetic connection with periodontitis and distribution of inflammatory process depending on location of roots of different tooth groups. Clinic. Differential diagnostics, methods of surgical treatment. Chronic periostitis of the jaws.</p> <p>Odontogenic osteomyelitis of the jaw. Etiology. Theories of osteomyelitis development, role of microflora, immunological status and anatomical features of the jaws. Modern ideas about the pathogenesis of osteomyelitis of the jaws. Pathological anatomy and classification.</p> <p>Acute stage of osteomyelitis of the jaw. Clinic, diagnosis and differential diagnosis of the acute stage. Complex pathogenetic treatment: surgical (eradication of tooth - "source of infection"), opening of perimandibular abscesses and phlegmon, decompression osteoperforation; medication (antibacterial, anti-inflammatory, detoxifying, desensitizing therapy, immunotherapy), use of physical methods. Outcome and complications.</p> <p>Subacute and chronic stages of osteomyelitis of the jaw. Clinical and radiological picture of different forms (sequestering, rheumatic, hyperplastic, primary-chronic), differential diagnosis. Treatment.</p>
5.	PC 6 PC 8 PC 9	The odontogenic maxillary sinusitis. Perforation and fistula of the maxillary.	<p>The odontogenic maxillary sinusitis. Etiology, pathogenesis. Acute odontogenic sinusitis: clinic, diagnosis and treatment. Chronic odontogenic sinusitis: clinic, diagnosis, differential diagnosis, methods of surgical and conservative treatment. Perforation and fistula of the maxillary sinus. Cause. Clinic, diagnosis, algorithm's dentist in perforation of maxillary sinus, methods of surgical perforation closure. Prevention of fistula (perforation) formation, odontogenic sinusitis.</p>

6.	PC 6 PC 8 PC 9	Diseases of the salivary glands.	Structure and functions of the salivary glands. Research methods used in salivary gland pathology. Classification of diseases of the salivary glands. Etiology, pathogenesis of sialosis and inflammatory diseases of the salivary glands. The clinical features Methods of conservative and surgical treatment. Calculus sialadenitis: etiology, pathogenesis, diagnostic, treatment algorithm. Complications of salivary gland diseases.
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5. Volume of the academic discipline and types of academic work

Type of educational work	Labor intensity	
	volume in credit units (CU)	volume in academic hours (AH)
Production practice "Assistant Oral surgery", including		
Lectures (L)	0,56	20
Laboratory practicum (LP)		
Practicals (P)		
Clinical practice sessions (CPP)	1,34	48
Seminars (S)		
Student's individual work (SIW)	2,08	75
Exam	0,02	1
TOTAL LABOR INTENSITY	4	144

6 Content of the academic discipline

6.1. Thematic schedule of lectures:

Name of lecture topics		Volume in AH
1	The department of surgical dentistry. History of the development of oral and maxillofacial surgery.	2
2	The scheme of examination and writing a medical record of a dental patient (guidelines)	2
3	New methods of X-ray diagnostics. X-ray diagnostics of odontogenic inflammatory diseases of the maxillofacial region, diseases of the salivary glands, periodontal diseases. Reading radiographs of teeth and jaws in normal and	2

	pathological conditions	
4	Tooth extraction. Indications, contraindications. Basic techniques for extracting.	2
5	Tooth extraction. Complications, treatment.	2
6	Teething problems. Difficult teething of the third lower molar. Causes, diagnosis, complications and treatment. Basic techniques for extracting retained and semi-retained teeth. Removal of dystopian teeth on the lower and upper jaws.	2
7	Odontogenic inflammatory diseases of the jaw Classification, etiology, pathogenesis, pathological anatomy. Acute and chronic periodontitis. Etiology, pathogenesis, clinic, diagnosis, treatment.	2
8	Acute periostitis of the jaw. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.	2
9	Odontogenic osteomyelitis of the jaws. (acute, subacute and chronic stages). Etiology, pathogenesis, clinic, diagnosis, treatment.	2
10	Acute perforation of the maxillary sinus is a variety of modern methods of plastic closure and the course of the repair process. Methods of conservative and surgical treatment.	2
	TOTAL	20

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

6.2.3 Thematic plan of practicals:

	<i>Name of the topics of practicals</i>	<i>Volume in AH</i>
1.	<i>The department of surgical dentistry. Tooth extraction. Indications, contraindications. complications. Stages of tooth extraction.</i>	6
2.	<i>Techniques for extracting teeth and roots on the lower jaw. Instruments.</i>	6
3.	<i>Techniques for extracting teeth and roots on the upper jaw. Instruments. The specifics of extraction in persons with comorbidities.</i>	6
4.	<i>Complications during tooth extraction surgery. Preventing and eliminating the complications.</i>	6
5.	<i>Complications after tooth extraction surgery. Preventing and eliminating the complications.</i>	6

	<i>Alveolitis. Prevention and methods of elimination.</i>	
6.	<i>Chronic periodontitis: etiology, pathogenesis, pathological anatomy. Clinic, diagnosis, treatment.</i>	6
7.	<i>Surgical treatment of chronic periodontitis (tooth preserving).</i>	6
8.	<i>Difficult eruption of the third lower molar, treatment.</i>	6
	TOTAL	48

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 the SIW	Volume in AH
Preparation for clinical practical classes	16
Working with lecture material	18
Working with electronic resources on the portal PRMU	6
Study of the material submitted for independent study (separate topics, paragraphs), work with literary sources	6
Preparation for testing, online testing	6
Preparation for the test on practical skills (examination methods)	6
Writing down in a training diary	17
TOTAL - AH	75

6.2.6 Appendix № 1

Samples of documents

TRAINING DIARY

TITLE PAGE

MINISTRY OF HEALTH CARE SYSTEM OF THE RUSSIAN FEDERATION
NIZHNY NOVGOROD STATE MEDICAL ACADEMY
 Department of maxillofacial surgery
 (Head, Professor Eugenia Durnovo)

DIARY OF ORAL SURGERY TRAINING

Name _____

Faculty _____

Course _____ Group _____

Training duration

From " ____ " _____ 201__y.
 To " ____ " _____ 201__y.

Place of training _____
 /city, name of polyclinic, department, office/

Training supervisor

Name _____
 Training supervisor in the medical institution

Example of a journal

This report gives a complete overview of the student's work during his/her surgical stomatological consultation.

Case report

Date	№	Name, Age, Case history number	I/II	Patient`s complaints, medical history	Results of additional examination methods (objective signs)	Diagnosis	Treatment	Signature of a supervisor
1	2	3	4	5	6	7	8	10

Appendix 2.

Dental surgery training report

Student's name:

Group:

Place of training:

Training duration from _____ to _____ 201__.

№	Job content	Task	Fulfilled
1	Patients are seen: - primary visits - secondary visits	75	
2	Local anesthesia: - infiltration - conductive	35 25	

3	Tooth extraction: - ordinary - complicated with elevators (dental drill)	50	
4	Treatment of complications after anesthesia and tooth extraction: alveolitis, alveolar bleeding, defect of the maxillary sinus	3	
5	Treatment of odontogenous inflammations: - periostitis - osteomyelitis - abscess - phlegmon - pericoronitis	1-3	
6	Surgery of chronic periodontitis: • resection of an apical root • bisection • root ablation • replantation of a tooth	Participation in operations as an assistant	
7	Extraction of benign tumors and a tumor-like mass: • epulis • fibroma • atheroma • papilloma • retention cyst and others.	Participation in operations as an assistant	
8	Treatment of salivary glands diseases		
9	Treatment of maxillofacial wounds: • primary surgical treatment of the soft tissues and oral cavity wounds • application of arch bars	2	
10	Educational events on hygiene issues: • discussions • lectures • sanitary bulletin	2 hours	

Student's signature:

Training supervisor signature:

The head of department signature:

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

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	The works of the	from any computer with	unlimited

Electronic Library System of the University (IELSU)	academy's teaching staff: textbooks and teaching aids, monographs, collections of scientific papers, scientific articles, dissertations, abstracts, patents.	the Internet. access with an individual username and password [electronic resource] – Access mode: http://95.79.46.206/login.php	
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8.3.2. Electronic educational resources acquired by the University

Name of the electronic resource	Brief description (content)	Access conditions	Number of users
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 specialties 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
«Bibliopisk»	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 Bibliopisk search engine has been made available to PIMU: http://bibliosearch.ru/pimu .	PIMU general subscription
National electronic	Medical and higher	from the academy's	

periodicals	education periodicals	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

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://h3b.pf/	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

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

9.1. List of premises for classroom activities for the discipline

1. Lecture halls (2 classrooms in the Institute of Dentistry, 20A Minin Street, 2 classrooms in the Semashko hospital).
2. Dental offices for the reception of surgical patients (in the dental polyclinic of the Privolzhsky Research Medical University, in the dental polyclinic of the Nizhny Novgorod, in the dental polyclinics of RZD. They are used for clinical examination of patients by students.
5. Operating theatre (in the dental clinic of the Privolzhsky Research Medical University)
3. Multidisciplinary Accreditation and Simulation Centre (the Institute of Dentistry, 20A Minin Street)

9.2. List of equipment for classroom activities for the discipline

1. Multimedia complex (projecting camera, screen, notebook computer)
2. TV
3. Built-in video camera in the operating theatre of the PRMU dental clinic with image transfer to a notebook computer
4. Computers
5. Monitors
6. Sets of thematic slides
7. Multimedia materials (for lectures, for practical exercises)
8. Videos
9. Dental examination trays with a set of instruments for oral examination
10. Instruments for anaesthesia and tooth extraction on the upper and lower jaws
11. Dental simulators
12. Sets of radiographs.

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	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive updates for 1 year.

	expiration date, 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
ASSISTANT – ORAL SURGERY

Field of study / specialty / scientific specialty: 31.05.03 STOMATOLOGY
(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)