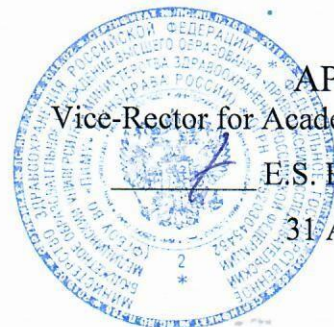


Federal State Budgetary Educational Institution of Higher Education  
"Privolzhsky Research Medical University"  
Ministry of Health of the Russian Federation



**APPROVED**  
Vice-Rector for Academic Affairs  
E.S. Bogomolova  
31 August 2021

## **WORKING PROGRAM**

Name of the academic discipline: **MODERN METHODS OF ORAL SURGERY PREPARATION FOR PROSTHETICS (elective discipline)**

Specialty: **31.05.03 DENTISTRY**

Qualification: **DENTIST**

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 31.05.03 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  
Runova Natalia Borisovna, M.D., Ph.D., Associate Professor of the Department of Oral and Maxillofacial Surgery, FSBEI HE «PRMU» MOH Russia  
Korsakova Alena Igorevna, M.D., Teaching Assistant 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 № 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 «Modern methods of oral surgery preparation for prosthetics» (hereinafter – the discipline)**

**1.1.** The purpose of mastering the discipline: GC-1, PC-6, PC-7.

**1.2.** Tasks of the discipline:

1. Study of general and specific issues of the modern stage of development of dental implantology;
2. Mastering the algorithm of diagnosis, planning and forecasting of results of implant treatment;
3. Study of surgical techniques of implant treatment;
4. Study approaches to prevention of complications of implant treatment;
5. Study of indications for reconstructive interventions in preparation for dental implantation.

**1.3.** Requirements to the deliverables of mastering the discipline

As a result of completing the discipline, the student should:

**Know:**

- principles and methods of integrated outpatient treatment, including conservative interventions and periodontal surgery;
- principles of collective management of patients with periodontal diseases with doctors of related specialties;
- professional ethics and deontological aspects of medical treatment and prevention, the role of informed consent; methods and means of health education;
- various techniques of patchwork operations on soft oral tissues;
- ways of conducting vestibuloplasty and frenuloplasty;
- elimination of problems on the soft tissues of the mucous membrane of the mouth using and without the use of free gingival grafts.

**Be able to:**

- interpret the results of laboratory and instrumental methods of examination;
- plan the examination and treatment of a specific patient taking into account the involvement of specialists in related dental specialties;
- provide emergency assistance in the treatment of acute processes in periodontology;
- choose the best option and perform the necessary amount of surgery on the periodontium;
- correct documentation with which the dentist-periodontist deals;
- to provide qualified assistance in urgent conditions of the patient in periodontology.

**Possess:**

- methods of general clinical examination of a patient and registration of medical card of a patient suffering from periodontium pathology;
- correct management of medical records of patients with periodontal pathology;
- interpretation of results of laboratory, instrumental methods of diagnostics;
- advanced clinical diagnosis algorithm;
- methods of opening periodontal abscesses;
- basic and supplementary methods of surgical treatment of periodontal diseases;
- choose osteoplastic preparations for targeted regeneration of periodontal tissues depending on the type of periodontal defects;
- properly use surgical technique depending on the type of surgery;

- and methods of post-operative rehabilitation.

## 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 «Modern methods of oral surgery preparation for prosthetics» refers to the part «Disciplines» of Block 1 of GEP HE «Dentistry».

The discipline «Modern aspects of odontogenic inflammation» is taught in 10 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. Physiology;
4. Pathophysiology;
5. Pharmacology;
6. Biochemistry;
7. Topographic anatomy and operative surgery;
8. Microbiology;
9. Histology;
10. Radiology;
11. Propaedeutic 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 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 given topic for the note-taking; IUC 1.3 possess: possess the skills of presenting an independent point of view, analysis and logical thinking	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
2.	PC -6	The identification of a patient's	IPC 6.1 Know: Etiology, pathogenesis, diagnosis, treatment and prevention of	Etiology, pathogenesis,	To diagnose dental	to make a diagnosis according to

		of pathological conditions, symptoms, syndromes of dental diseases, nosological forms according to the ICD-10 and the related health problems	the most common dentistry diseases of surgical profile principle of the ICD-10 IPC 6.2 Be able to: To diagnose dental diseases of surgical patients to justify making a diagnosis according to the ICD-10 IPC 6.3 Possess: to make a diagnosis according to the ICD-10	diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile principle of the ICD-10	diseases of surgical patients to justify making a diagnosis according to the ICD-10	the ICD-10
3.	PC-7	Ability to determine the tactics of management of patients with various dental diseases in accordance with clinical recommendations of other regulatory documents of the Ministry of Health of the Russian Federation in outpatient and day hospital conditions, taking into account age patient.	IPC 7.1 Know: Methods of drug and non-medicamentous treatment, medical indications for the use of medical products in dental diseases; groups of drugs used to provide medical assistance in the treatment of dental diseases; mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, undesirable reactions, including serious and unforeseen; principles, techniques and methods of anesthesia, selection of the type of local anesthesia in the treatment of dental diseases; ways to prevent or eliminate complications, side effects, undesirable reactions, including serious and unforeseen, arising in the examination or treatment of patients with dental diseases, pulp, periodontium, periodontal, mucous membrane of the mouth and lips; Materials science, technology, equipment and medical products used in dentistry; anatomy of the head, maxillofacial area, features	Methods of drug and non-medicamentous treatment, medical indications for the use of medical products in dental diseases; groups of drugs used to provide medical assistance in the treatment of dental diseases; mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side	Develop a treatment plan for children and adults with dental illnesses in accordance with medical procedures, clinical recommendations, standards of medical care; select and prescribe medicines, medical products (including dental materials), dietary intake, treatment and health regime for treatment of children and adults with dental diseases in accordance with	Selection and prescription of medicines, medical products (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current medical procedures, clinical recommendations, Taking into account the standards of medical care; prescribing dietary and therapeutic regimens for the treatment of dental illnesses in children and adults in accordance with the current medical procedures and clinical recommendations, Taking into

		<p>of blood supply and innervation; dental structure; histology and embryology of the oral and dental cavity, the main violations of embryogenesis;</p> <p>Be able to: Develop a treatment plan for children and adults with dental illnesses in accordance with medical procedures, clinical recommendations, standards of medical care; select and prescribe medicines, medical products (including dental materials), dietary intake, treatment and health regime for treatment of children and adults with dental diseases in accordance with current medical procedures, clinical recommendations, Taking into account health care standards; determine medical indications and contraindications to the conduct of methods of local anaesthesia of the maxillofacial region; conduct local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; perform medical interventions, including therapeutic, in children and adults with dental diseases in outpatient conditions (excluding repeated endodontic treatment): - oral and dental hygiene education individual, Selection of oral hygiene products; controlled tooth cleaning; - professional oral and dental hygiene; - injection of medicines in the maxillofacial area; - local use of remineralizing drugs</p>	<p>effects, undesirable reactions, including serious and unforeseen; principles, techniques and methods of anesthesia, selection of the type of local anesthesia in the treatment of dental diseases; ways to prevent or eliminate complications, side effects, undesirable reactions, including serious and unforeseen, arising in the examination or treatment of patients with dental diseases, pulp, periodontium, periodontal, mucous membrane of the mouth and lips; Materials science, technology, equipment</p>	<p>current medical procedures, clinical recommendations, Taking into account health care standards; determine medical indications and contraindications to the conduct of methods of local anaesthesia of the maxillofacial region; conduct local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; perform medical interventions, including therapeutic, in children and adults with dental diseases in outpatient conditions (excluding repeated endodontic treatment): - oral and</p>	<p>account health care standards; Performing medical interventions in children and adults with dental illnesses in accordance with existing medical procedures and clinical recommendations, taking into account medical care standards; Evaluation of medical interventions in children and adults with dental conditions; selection and conduct of local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; evaluation of the effectiveness and safety of the use of medicines, medical products and non-pharmacological treatment in children and adults with dental diseases; consulting children and adults with</p>
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		<p>in the tooth area; - deep fluorination of tooth enamel; - sealing the tooth fissures with a hermetically sealed seal; - professional teeth whitening; - tooth filling restoration using dental cements, chemical curing materials, photopolymers; - tooth restoration in violation of the contact point; - tooth restoration with filling material using anchor pins; - the application of a deviating paste; - pulverization (coronal pulp amputation); - pulp extermination; - instrumental and medicinal treatment of a well-traversed root canal; - temporary filling with a medicinal preparation of the root canal; - Filling of the root canal of the tooth with paste, gutta-percha pins; - Removal of supraspinous and subsurface dental deposits in the tooth area (manual method); - Ultrasonic removal of supraspinous and subsurface dental deposits in the tooth area; - closed curettage for periodontal diseases in the tooth area; - application of a medical dressing for periodontal diseases in the area of one jaw;- Prescription of medicinal therapy for oral and dental diseases; prescription of diet therapy for oral and dental diseases; medical interventions, including surgical interventions, for children and adults with dental diseases in outpatient settings (excluding</p>	<p>and medical products used in dentistry; anatomy of the head, maxillofacial area, features of blood supply and innervation; dental structure; histology and embryology of the oral and dental cavity, the main violations of embryogenesis.</p>	<p>dental hygiene education individual, Selection of oral hygiene products; controlled tooth cleaning; - professional oral and dental hygiene; - injection of medicines in the maxillofacial area; - local use of remineralizing drugs in the tooth area; - deep fluorination of tooth enamel; - sealing the tooth fissures with a hermetically sealed seal; - professional teeth whitening; - tooth filling restoration using dental cements, chemical curing materials, photopolymers; - tooth restoration</p>	<p>diseases of the mucous membrane of the mouth and lips, determination of indications for referral to medical specialists; selection and prescription of medicines and medical products taking into account the diagnosis, the age and clinical picture of dental disease in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; determination of the methods of introduction, regime and dosage of medicines; Selection and appointment of non-pharmacological treatment for children and adults with dental diseases in accordance with medical procedures, clinical recommendations, taking into</p>
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		<p>removals of retinated and distorted teeth): - tooth removal; - temporary tooth removal; - permanent tooth removal; - odontogenic abscess opening and venting; oral cavity stage by stage (excluding oral health care for children under anesthesiology); perform medical interventions, including orthopedic interventions, in adults with dental diseases in outpatient settings (excluding prosthetics on dental implants, technologies of automated manufacturing of orthopedic structures, full removable plate and tube prostheses): - Production of anatomical and functional impressions; - restoration of tooth crown; - restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate prostheses; - correction of removable orthopedic structure; - removal of permanent orthopedic structure; interpretation of the results of X-rays of the maxillofacial area; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determining indications for referral to doctors-specialists; prevent or eliminate complications, side effects, undesirable reactions, including unforeseen, arising as a result of diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment.</p> <p>IPC 7.3 Possess: Selection</p>		<p>in violation of the contact point; - tooth restoration with filling material using anchor pins; - the application of a deviating paste; - pulverization (coronal pulp amputation); - pulp extirpation; - instrumental and medicinal treatment of a well-traversed root canal; - temporary filling with a medicinal preparation of the root canal; - Filling of the root canal of the tooth with paste, gutta-percha pins; - Removal of supraspinal and subsurface dental deposits in the tooth area</p>	<p>account medical care standards; prevention and treatment of complications, side effects, undesirable reactions, including unforeseen, arising from diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment at the dentistry; provision of medical assistance to children and adults in sudden acute diseases, conditions, aggravation of chronic diseases without clear signs of a threat to the life of the patient in urgent form; the use of medicines and medical products in the provision of emergency medical care.</p>
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		<p>and prescription of medicines, medical products (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current medical procedures, clinical recommendations, Taking into account the standards of medical care; prescribing dietary and therapeutic regimens for the treatment of dental illnesses in children and adults in accordance with the current medical procedures and clinical recommendations, Taking into account health care standards;</p> <p>Performing medical interventions in children and adults with dental illnesses in accordance with existing medical procedures and clinical recommendations, taking into account medical care standards; Evaluation of medical interventions in children and adults with dental conditions; selection and conduct of local anesthesia (application, infiltration, conductor) in children and adults with dental diseases; evaluation of the effectiveness and safety of the use of medicines, medical products and non-pharmacological treatment in children and adults with dental diseases; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determination of indications for referral to medical specialists; selection and prescription of medicines</p>		<p>(manual method); - Ultrasonic removal of supraspinous and subsurface dental deposits in the tooth area; - closed curettage for periodontal diseases in the tooth area; - application of a medical dressing for periodontal diseases in the area of one jaw;- Prescription of medicinal therapy for oral and dental diseases; prescription of diet therapy for oral and dental diseases; medical interventions, including surgical interventions, for children and adults with dental diseases in</p>	
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		<p>and medical products taking into account the diagnosis, the age and clinical picture of dental disease in accordance with the procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care; determination of the methods of introduction, regime and dosage of medicines; Selection and appointment of non-pharmacological treatment for children and adults with dental diseases in accordance with medical procedures, clinical recommendations, taking into account medical care standards; prevention and treatment of complications, side effects, undesirable reactions, including unforeseen, arising from diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment at the dentistry; provision of medical assistance to children and adults in sudden acute diseases, conditions, aggravation of chronic diseases without clear signs of a threat to the life of the patient in urgent form; the use of medicines and medical products in the provision of emergency medical care.</p>		<p>outpatient settings (excluding removals of retained and distorted teeth): - tooth removal; - temporary tooth removal; - permanent tooth removal; - dentogenic abscess opening and venting; oral cavity stage by stage (excluding oral health care for children under anesthesiology); perform medical interventions, including orthopedic interventions, in adults with dental diseases in outpatient settings (excluding prosthetics on dental implants, technologies of automated</p>	
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					<p>manufacturing of orthopedic structures, full removable plate and tube prostheses)</p> <p>: -  Production of anatomical and functional impressions; -  restoration of tooth crown; -  restoration of tooth row integrity permanent bridges; -  prosthesis partial removable plate prostheses; -  correction of removable orthopedic structure; -  removal of permanent orthopedic structure; interpretation of the results of X-rays of the maxillofacial area; consulting children and adults with</p>	
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					diseases of the mucous membrane of the mouth and lips, determining indications for referral to doctors-specialists; prevent or eliminate complications, side effects, undesirable reactions, including unforeseen, arising as a result of diagnostic or therapeutic manipulation, the use of drugs and (or) medical products, non-pharmacological treatment.	
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**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
1.	UC-1	Application of implants in maxillofacial surgery	Analysis of defect, evaluation of anatomical, functional and aesthetic disorders. Development of treatment plan. Basic methods of plastic surgery.
2.	UC -1 PC-6	Classification of periodontal diseases.	Classification of Periodontal Diseases (ICD-10 et al.) Features of examination of patients with pathology of periodontitis

	PC-7	Examination of a patient with periodontal pathology. Additional diagnostic methods Emergency conditions in periodontology.	(determination of pre-oral cavity depth, characteristics of lip and tongue bridles attachment, evaluation of gum condition, measurement of periodontal pocket depth, periodontal tissue edge recession, determination of bone and furcation defects). Additional diagnostic methods: intraoral X-rays, panoramic X-rays, orthopantomography, computed tomography, etc. hardware examination methods; Treatment of exacerbation of chronic generalized periodontitis (periodontal abscess, suppuration of periodontal cyst).
3.	UC-1 PC-6 PC-7	The main methods of surgical treatment of periodontal diseases. Additional operations on the periodontal. Dental surgery techniques.	General principles of surgical treatment of periodontal pathology. Basic and additional methods of periodontal surgery. Indications and contraindications for surgical intervention. Criteria for surgical effectiveness. Indications for carrying out vestibuloplasty, frenulectomy, flour-processing plastic. Technique of operations, complications. Principles of treatment of furcation defects. Periodontological indications for tooth removal.
4.	UC-1	Method of directed regeneration of periodontal tissues, osteoplastic preparations in periodontology.	Choice of surgical treatment tactics. Use of surgical tools, suture material. Carrying out of hemostasis. Rules of registration of medical records.
5.	UC-1	History of formation, modern state and prospects of development of dental (dental) implantology.	History of the establishment of dental implantology. Normative - legal basis. Prospects and tendencies of development of implantology as a science. Possibilities of modern implantology. Causes of bone loss in the area of missing teeth and their consequences. The problem of choice - implant or bridge prosthesis, arguments for and against. The current state of domestic implantology. Rehabilitation of patients with dental implants.
6.	UC-1	Indications and contraindications (restrictions) of dental rehabilitation with dental implants.  Diagnosis and planning of implantation, tools, medical perioperative support.	Anatomical background of dental implantation. The phenomenon of osteointegration, factors influencing the optimization of this process. Morphological features of bone wound healing. Morphological features of bone contact zone - implant. Types of defects and deformations of the alveolar part of the jaws. Indications and contraindications to the application of dental implants.  Diagnosis and planning of treatment of patients with dental implants. Basic and additional examination methods necessary for planning dental implant treatment. Types of surgical templates and methods of their manufacture. Surgical tools used for dental implants and reconstructive interventions on jaw bones. Medically assisted implantation and associated reconstructive interventions.
7.	UC-1 PC-6 PC-7	Surgical methods of dental implantation.	Types of implants and features of various implant systems. One-stage and two-stage approaches in the use of dental implants. Implantation in complex clinical cases. Modern ideas about osteoplastic materials and their use in dental implantology. Types of reconstructive interventions on jawbone and the technique of their conduct. Sinuslifting and variants of subantral implantation. Vinyl plastics and intercoronal osteotomy. The main methods of directed tissue regeneration. Use of

		Prevention and treatment of complications of dental implantation.	membrane technology and titanium frames. Possible complications at the stage of dental implants installation and ways of their elimination. Prevention and treatment of complications arising in the early post-operative period and in the long term dental implantation. The rationale for carrying out professional oral hygiene during implantation.
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## 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)	VIII	IX	X
Classroom work, including	1,22	44	-	-	-
Lectures (L)	0,28	10	-	-	10
Laboratory practicum (LP)	-	-	-	-	-
Practicals (P)	-	-	-	-	-
Clinical practice sessions (CPS)	0,94	34	-	-	34
Seminars (S)	-	-	-	-	-
Student's individual work (SIW)	0,78	28	-	-	28
Research work of the student	-	-	-	-	-
Interim attestation	-	-	-	-	-
Exam	-	-	-	-	-
<b>TOTAL LABOR INTENSITY</b>	<b>2</b>	<b>72</b>	-	-	<b>72</b>

## 6. Content of the academic discipline

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

№	Semester	Name of the section of the discipline	Types of academic work* (in AH)*						
			L	LP	PC	CPS	S	SIW	total
1	10	Classification of periodontal diseases. Examination of a patient with periodontal pathology. Additional diagnostic methods. Emergency conditions in periodontology.	2		5			4	11
2	10	The main methods of surgical treatment of periodontal diseases. Additional operations on the periodontal.	2		5			4	11
3	10	Method of directed regeneration of periodontal tissues, osteoplastic preparations in periodontology.	2		5			4	11

4	10	History of formation, modern state and prospects of development of dental (dental) implantology.	1		5			4	10
5	10	Indications and contraindications (restrictions) of dental rehabilitation with dental implants.	1		4			4	9
6	10	Diagnosis and planning of implantation, tools, medical perioperative support.	1		5			4	10
7	10	Surgical methods of dental implantation. Prevention and treatment of complications of dental implantation.	1		5			4	10
		Total	10		34			28	72

\* - L – lecture; LP – laboratory practice; PC – practical classes; S – seminars; SIW – student's independent work.

## 6.2. Thematic schedule of educational work types

### 6.2.1 Thematic schedule of lectures:

№	Topics of lectures	Semester X
1.	Classification of periodontal diseases. Protocol of management of patients diagnosed with periodontitis.	2
2.	Modern aspects of treatment and prevention of periodontal diseases.	2
3.	Historical stages of development of dental implantology.	2
4.	Features of surgical methods of dental implantation.	2
5.	Modern methods of preparation of the oral cavity for prosthetics.	2
	TOTAL	10

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

### 6.2.3 Thematic plan of practical:

№	Topics of practical	Semester X
1.	Basic and additional methods of diagnosing diseases of the periodontal.	6
2.	Modern principles of treatment of boiling defects.	5
3.	Key aspects of the use of surgical tools, suture material. Hemostasis wound.	6
4.	Steps of manufacturing surgical templates.	5
5.	Application of membrane technology and titanium frames for augmentation of vertical bone defects.	6

6.	Prevention and treatment of complications of dental implantation	6
	TOTAL	34

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

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

№	Topics of student's individual work (SIW)	volume in academic hours (AH)
		Semester X
1	Preparation for clinical exercises, homework, preparation for routine monitoring	5
2	Lecture work	6
3	Work with electronic resources on the portal of distance education PIMU	5
4	Study of material submitted for independent study (separate topics, paragraphs), work with literary sources	6
5	Preparation for testing	6
6	TOTAL	28

6.2.6 Student's research work: not provided for by FSES.

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

№	Semester	Types of control	Name of section of academic discipline	Evaluation tools		
				Types	number of test questions	number of test task options
1	10	Learning control	Patient examination methods	Test tasks	5	5
				Case studies	5	4

### 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.	<a href="http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&amp;id=224823&amp;idb=0">http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&amp;id=224823&amp;idb=0</a>	
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: <a href="http://95.79.46.206/login.php">http://95.79.46.206/login.php</a>	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: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>	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: <a href="http://www.books-up.ru/">http://www.books-up.ru/</a>	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: <a href="http://bibliosearch.ru/pimu">http://bibliosearch.ru/pimu</a> .	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 : <a href="https://elibrary.ru/">https://elibrary.ru/</a>	
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	Free access from PIMU computers. [electronic resource] – Access mode: <a href="http://apps.webofknowledge.com">http://apps.webofknowledge.com</a>	Free access from PIMU computers

	information.		
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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: <a href="http://нэб.рф/">http://нэб.рф/</a>	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: <a href="https://elibrary.ru/">https://elibrary.ru/</a>	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: <a href="https://cyberleninka.ru/">https://cyberleninka.ru/</a>	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: <a href="http://www.rsl.ru/">http://www.rsl.ru/</a>	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: <a href="http://www.consultant.ru/">http://www.consultant.ru/</a>	from any computer with the Internet
The official website of the Ministry of Health of Russia Federation	National clinical recommendations [electronic resource] – Access mode: <a href="http://cr.rosminzdrav.ru">cr.rosminzdrav.ru</a> - 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: <a href="http://www.spulmo.ru">www.spulmo.ru</a> – 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: <a href="http://www.rnmot.ru">www.rnmot.ru</a> – 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 halls (2 classrooms in the Institute of Dentistry, 20A Minin Street, 2 classrooms in the Semashko hospital).
2. Study rooms for practical classes (3 classrooms the Institute of Dentistry, 20A Minin Street, 2 classrooms in the Semashko hospital, a classroom in the PCHC, 20A Marshal Voronov Street).

3. Dental offices for the reception of surgical patients (in the dental polyclinic of the Privolzhsky Research Medical University, in the dental polyclinic of the Priokskiy district, in the dental polyclinics of PCHC No.3 and No.4). 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. Tables and schemes of phlegmon
8. Multimedia materials (for lectures, for practical exercises)
9. Videos
10. Floorboards
11. Dental examination trays with a set of instruments for oral examination
12. Instruments for anaesthesia and tooth extraction on the upper and lower jaws
13. Dental simulators
14. Sets of radiographs.

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

<b>Item no.</b>	<b>Software</b>	<b>number of licenses</b>	<b>Type of software</b>	<b>Manufacturer</b>	<b>Number in the unified register of Russian software</b>	<b>Contract No. and date</b>
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  
***MODERN METHODS OF ORAL SURGERY PREPARATION FOR PROSTHETICS***

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)