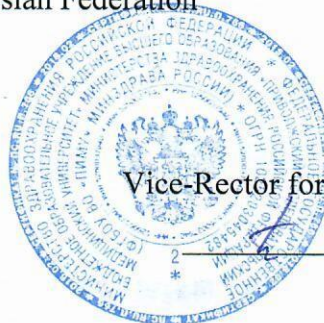


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED
Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **RECONSTRUCTIVE MAXILLOFACIAL SURGERY (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**

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:

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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 «Reconstructive maxillofacial surgery» (hereinafter – the discipline)

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

1.2. Tasks of the discipline:

1. Training in examination of patients with defects and deformations of the maxillofacial area;
2. Assimilation of indications for dental surgical treatment of patients with deformities and defects of tissues of the maxillofacial area;
3. Training in the preparation of a plan for the treatment of patients with defects and deformations of the maxillofacial area in outpatient polyclinic conditions;
4. Mastering plastic techniques with local fabrics;
5. Introduction to plastics techniques of flaps on the foot, loose fabric flaps, fabrics of round stem flap, flaps on microvascular anastomoses;
6. Introduction to orthognathic operations;
7. Development of methods of assistance to patients with defects and deformations of tissues of the maxillofacial region in outpatient polyclinic conditions;
8. Acquaintance with methods of rehabilitation of patients with defects and deformations of tissues of the maxillofacial region;
9. Introduction to cranio-facial pathology;
10. Introduction to the basics of aesthetic surgery.

1.3. Requirements to the deliverables of mastering the discipline

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

Know:

- etiology and pathogenesis, modern classification, features and possible complications of defects and deformations of the maxillofacial region;
- methods of examination of patients with defects and deformations of the maxillofacial area;
- methods of diagnostics of defects and deformations of the maxillofacial area;
- clinical picture of congenital and acquired defects and deformations of the maxillofacial area;
- sources of tissue borrowing for the restorative treatment of the maxillofacial area;
- principles of planning of reconstruction operations in the maxillofacial area;
- principles of post-operative patient management tactics, methods of treatment and prevention of complications, determination of disease prognosis;
- modern methods of diagnostics of jaw bones.

Be able to:

- diagnose defects and deformations of the maxillofacial area;
- plan the whole cycle of restorative treatment of patients with defects and deformations of tissues of the maxillofacial region;
- diagnose age-related changes in face and neck skin;
- to evaluate the results of restoration operations in the maxillofacial area;
- to carry out post-operative rehabilitation of patients with defects and deformations of tissues of the maxillofacial region in outpatient polyclinic conditions.

Possess:

- perform suturing of linear wounds;
- determine indications for hospitalization of the patient in a specialized hospital;
- prepare the patient for hospitalization in a specialized hospital.

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 « Reconstructive maxillofacial surgery » 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 of pathological conditions, symptoms, syndromes of dental diseases,	IPC 6.1 Know: Etiology, pathogenesis, diagnosis, treatment and prevention of 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	Etiology, pathogenesis, diagnosis, treatment and prevention of the most common	To diagnose dental diseases of surgical patients to justify making a diagnosis according	to make a diagnosis according to the ICD-10

		nosological forms according to the ICD-10 and the related health problems	diagnosis according to the ICD-10 IPC 6.3 Possess: to make a diagnosis according to the ICD-10	dentistry diseases of surgical profile principle of the ICD-10	to 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, periodontal, 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 of blood supply and innervation; dental structure; histology and embryology of the oral and dental cavity, the main violations of embryogenesis; ИПК 7.2 Be able to: Develop a treatment plan for children and adults with	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	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;	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 account health care standards; Performing medical interventions in children and adults with dental illnesses in accordance with existing

			<p>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 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</p>	<p>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, 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 of blood supply and innervation; dental</p>	<p>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</p>	<p>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 and</p>
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			<p>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 removals of retinated 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 anaesthesiology); perform medical interventions, including orthopaedic interventions, in adults with dental diseases in outpatient settings (excluding</p>	<p>structure; histology and embryology of the oral and dental cavity, the main violations of embryogenesis.</p>	<p>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 in violation of the contact point; - tooth restoration with filling material using anchor pins; - the application of a deviating paste; - pulverizati</p>	<p>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</p>
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		<p>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 orthopaedic 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. IPC 7.3 Possess: 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,</p>		<p>on (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</p>	<p>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>Taking into 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 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</p>		<p>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 removals of retained and distorted teeth): - tooth removal; - temporary tooth removal; - permanent tooth removal; - dentogenic abscess opening and venting; oral cavity</p>	
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		<p>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>stage by stage (excluding oral health care for children under anaesthesiology); perform medical interventions, including orthopaedic 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</p>	
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					bridges; - prosthesis partial removable plate protheses; - correction of removable orthopedic structure; - removal of permanent orthopaedic structure; interpretati on of the results of X-rays of the maxillofaci al area; consulting children and adults with diseases of the mucous membrane of the mouth and lips, determinin g indications for referral to doctors- specialists; prevent or eliminate complicatio ns, side effects, undesirable reactions, including unforeseen, arising as a result of diagnostic or therapeutic manipulati on, the use	
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					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	The content of the section in teaching units
1.	UC -1 PC-6 PC-7	Reconstructive maxillofacial surgery area/ Bone surgery on the jaw.	<p>Tasks of maxillofacial surgery.</p> <p>Types of facial defects and deformations, causes of their occurrence.</p> <p>Congenital defects, developmental anomalies, deformations related to growth disruption of various parts of the face.</p> <p>Defects and deformations of the maxillofacial area as a result of injuries, gunshot wounds, burns, inflammatory diseases.</p> <p>The use of materials (biocomposites) in facial reconstructive surgery.</p> <p>Contour plastic to correct the external features of the face in case of defects and deformations.</p> <p>Bone plaster of jaws. Types and causes of defects of the mandible. Indications for bone plaster. Biological substantiation of bone plasty. Types of transplants. Applications of preserved bone and conservation techniques.</p> <p>Autococity transplant to repair mandibular defects.</p> <p>Prep for surgery. Methods of fixing transplants and mandibular fragments during osteoplastic operations (titanium miniplates, titanium reconstructive rods, metal with memory shape, splints, positioners, bimacilic tires, extraoral apparatus).</p> <p>Post-operative management of the patient, his rehabilitation.</p> <p>Combined bone plasty.</p>
2.	UC -1 PC-6 PC-7	Plastic surgery with local tissues. Plastic with flaps of fabric from remote	<p>Plastic by local fabrics taken next to the defect, "leg flaps" taken from nearby tissues. Advantages, disadvantages, indications, contraindications.</p> <p>Application of typical methods of plastic with local fabrics to eliminate lip defects and the undercut area. Replacement of lip defects with flaps from the cheeks, from the nasolabial furrow, from the other lip, shortening the lip and tongue bridle.</p> <p>Mathematical substantiation of planning of plastic operations with local tissues (A.A. Limberg). Application of symmetrical, asymmetrical and combined shapes.</p> <p>Plastic flaps of tissues from remote areas. Development and introduction into practice of round stem flap (flap V.P.Filatov).</p>

		areas. Plastic with free tissue transfer. Application of complex tissue complexes	Biological basis for its use. Use of round stem flap to replace defects of various facial and oral cavities. Formation of the nose from the fabrics of a round stem flap according to the method of F.M.Khitrov. Plastic with free tissue transfer. Modern understanding of biological processes that occur in free transplantation of tissues and organs. Possibilities of application of auto-, allograft of various tissues, implants, endoprotheses in maxillofacial surgery. Free skin graft. Biological basis. Use to eliminate wound and granulating surfaces on the face and in the oral cavity of various types of skin flaps (thin, split, in full thickness). Transplantation of cartilage as a base material and for correcting the contours of different parts of the face. Use of autoclave, corpse preserved cartilage. Применение сложных тканевых complexes on a microvascular anastomosis. Types of flaps. Characteristics of donor zones. Indications, contraindications, advantages, disadvantages. Possibilities of the method.
3.	UC -1 PC-6 PC-7	Gnathic surgery.	Surgical treatment for jaw deformation. Malformation and deformation of the jaws. The main types of deformations of the jaws: underdevelopment (micrognathia) or excessive development (macrognathia) of the upper or lower jaw or parts thereof (prognathia and retrognathia), open bite. Clinical manifestations of defects and deformities, functional and aesthetic disorders. Indications for surgical treatment. Deformation analysis, advanced diagnostics with teleroanalysis. Basic methods of operations to correct the size and shape of the mandible. Operative correction of the shape and position of the upper jaw. Features of operational technique, immobilization and postoperative management, prosthetics and rehabilitation of patients after intervention about deformations of the jaws. Contoured plastic to correct the shape of the face and jaws.
4.	UC -1 PC-6 PC-7	Aesthetic surgery	Definition of aesthetic surgery The aesthetic proportions of the face. Indications and contraindications for aesthetic facial surgery. Wrinkles of face and neck. Clinic, diagnosis, classification, treatment. Deformation of the ear. Clinic, diagnosis, classification, treatment. Nasal deformities. Congenital and acquired. Clinic, diagnosis, classification, treatment.

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	-	-	-	-	-
TOTAL LABOR INTENSITY	2	72	-	-	72

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	Reconstructive maxillofacial surgery area. Bone surgery on the jaw.	3		8,5			7	18,5
2	10	Plastic by local fabrics. Plastic with flaps of fabric from remote areas. Plastic with free tissue transfer. Application of complex tissue complexes	3		8,5			7	18,5
3	10	Gnatic surgery	2		8,5			7	17,5
4	10	Aesthetic surgery	2		8,5			7	17,5
		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.	Modern aspects of the use of materials (biocomposites) in facial reconstructive surgery.	3
2.	Plastic by local fabrics. Indications and contraindications to plastic by local tissues to eliminate lip defects and undercoating area	3
3.	The main stages of operational technique, immobilization and postoperative management, prosthetics and rehabilitation of patients in the post-operative period in the event of jaw deformation	2
4.	Reconstructive maxillofacial surgery	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.	Planning of osteo-reconstructive operations based on modern methods of diagnostic research.	6
2.	Key features of local plastic operations in the treatment of defects and deformations of the maxillofacial region.	5
3.	Methods of removing wound and granulating surfaces on the face and in the oral cavity using different types of skin flaps.	6
4.	Stages of post-operative management of the patient, his rehabilitation.	5
5.	Methods of surgical treatment of jaw deformations.	6
6.	Modern aspects of contour plastic to correct the shape of the face and jaws.	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.	http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=224823&idb=0	

	Korsakova, I. V. Vyseltseva [и др.]. – N. Novgorod: Publishing House of Privolzhskiy Research Medical University, 2021.		
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
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	Free access from PIMU computers. [electronic resource] – Access mode: http://apps.webofknowledge.com	Free access from PIMU computers

	Thomson Reuters; has built-in search, analysis and management of bibliographic 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: http://нэб.рф/	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 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

15.

Ite m no.	Software	number of licenses	Type of software	Manufacture r	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovic h	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 TECHNOLO GIES"	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 Subscriptio n	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to	170	Office Application	Microsoft		23618/HN100

MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia					30 LLC "Softline Trade" from 04.12.2020
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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
RECONSTRUCTIVE MAXILLOFACIAL 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)