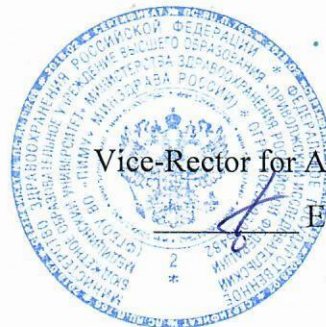


Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation



APPROVED
Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **MODERN ASPECTS OF ODONTOGENIC INFLAMMATION (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:

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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 aspects of odontogenic inflammation» (hereinafter – the discipline)

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

1.2. Tasks of the discipline:

1. Master diagnostics of odontogenic inflammatory diseases of the maxillofacial area;
2. Study the clinical picture of odontogenic inflammatory diseases of the maxillofacial area;
3. Study etiology and pathogenesis of development of odontogenic inflammatory diseases of the maxillofacial region;
4. Master the basics of differential diagnosis and methods of treatment of acute and chronic forms of maxillary sinusitis;
5. Master the basics of differential diagnosis and methods of treatment of odontogenic osteomyelitis;
6. Learn to diagnose acute purulent periodontitis, periostitis and osteomyelitis;
7. Learn to diagnose acute pus lymphadenitis;
8. Learn to diagnose acute odontogenic maxillary sinusitis;
9. Study the steps of the wound process;
10. Study the clinical picture of acute, subacute and chronic maxillary sinusitis;
11. Study the clinical picture of acute and chronic lymphadenitis;
12. Study methods of treatment for various inflammatory diseases of the maxillofacial area;
13. Master the diagnostic methods used in the examination of patients with various inflammatory and dystrophic processes of the face and neck;
14. Develop indications for surgical treatment of patients with various inflammatory processes localized in the face and neck area;
15. To form students' theoretical and practical skills in surgical treatment of patients with various inflammatory processes in the polyclinic;
16. Acquisition of methods of rehabilitation of patients with odontogenic inflammatory diseases of the maxillofacial region;
17. Study of radiological features of chronic inflammatory diseases of the maxillofacial area;
18. Formation of skills for emergency care of patients with inflammatory 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:

- features of innervation and blood supply of the maxillofacial area;
- features of the structure of the lymphatic system of the maxillofacial area;
- features of the structure of the muscle of the maxillofacial area;
- etiology, pathogenesis and clinical history of odontogenic inflammation of the face and neck;
- methods of examination of patients with purulent-inflammatory diseases of the maxillofacial area and differential diagnosis of these diseases;
- substantiation of treatment tactics for patients with pneumonic inflammatory diseases of the face and neck;
- clinical picture, distinctive clinical signs and differential diagnosis of inflammatory diseases of the maxillofacial area;
- to determine the prognosis of the diseases;
- principles of prevention and examination of patients with inflammatory diseases of the maxillofacial region;
- methods and features of infiltration anesthesia on the upper and lower jaw;
- methods and features of conductive anesthesia on the upper and lower jaw;
- first Aid Methods for Emergency Situations;
- clinical picture and causes of complications of local anesthesia and ways to prevent;

- conservative and operative methods of treatment of inflammatory processes in the tops of the roots and indications for their conduct;
- methods of making incisions in the mouth, taking into account the features of the structure of the mucous membrane;
- features of dental operations in the anterior and lateral tooth groups;
- types of dental operations depending on the group of teeth and the amount of inflammation;
- X-ray and CT imaging techniques for the maxillofacial area;

Be able to:

- diagnose acute and chronic inflammatory diseases of the maxillofacial area;
- evaluate the results of clinical blood and urine tests;
- evaluate the results of radiation diagnostics, the studied area;
- carry out infiltration anesthesia on the upper and lower jaw;
- conductive anesthesia on the upper and lower jaw;
- to provide emergency assistance in various emergency conditions in outpatient conditions;
- take action in case of shock, asphyxiation or bleeding;
- treat patients with periapical inflammation;
- carry out various shapes, lengths and locations of the incision on the mucous membrane of the mouth;
- carry out various methods of dental surgery in the front and side departments;
- to extract infected tooth;

Possess:

- sutures and wound dressing;
- to stem anesthesia of the upper and lower jaw;
- perform cuts and bruising of wounds on the mucous membrane of the mouth;
- palpation of the maxillofacial muscles.

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 aspects of odontogenic inflammation» refers to the part «Disciplines» of Block 1 of GEP HE «Stomatology»..

The discipline «Modern aspects of odontogenic inflammation» is taught in 7 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	The content of the competence	Code and name of the competence achievement indicator	As a result of mastering the discipline, students should:	
				be able to	possess

	code	(or its part)		know		
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, nosological forms according to the ICD-10 and the related health problems	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 diagnosis according to the ICD-10 IPC 6.3 Possess: to make a diagnosis according to the ICD-10	Etiology, pathogenesis, diagnosis, treatment and prevention of the most common dentistry diseases of surgical profile principle of the ICD-10	To diagnose dental diseases of surgical patients to justify making a diagnosis according to the ICD-10	to make a diagnosis according 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	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	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	Develop a treatment plan for children and adults with dental illnesses in accordance with medical procedures, clinical recommendations, standards of medical care; select and	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 recommendatio

	<p>outpatient and day hospital conditions, taking into account age patient.</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, periodonta, 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;</p> <p>ИПК 7.2 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</p>	<p>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</p>	<p>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</p>	<p>ns, 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 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</p>
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		<p>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 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; -</p>	<p>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.</p>	<p>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;</p>	<p>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</p>
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		<p>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 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</p>		<p>- 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 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-</p>	<p>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</p>
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		<p>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, 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;</p>	<p>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</p>	<p>products in the provision of emergency medical care.</p>
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			<p>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 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>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 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</p>	
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					implants, technologie s of automated manufactur ing of orthopedic structures, full removable plate and tube protheses) : - Production of anatomical and functional impression s; - restoration of tooth crown; - restoration of tooth row integrity permanent 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	
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					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.	
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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	Features of blood supply and innervation of the maxillofacial area. Structure of lymphatic system and muscular system of maxillofacial region.	Features of teeth innervation and maxillofacial area. Features of dental and maxillofacial blood supply. Features of the structure of the lymphatic system of the maxillofacial area. Structure of facial and chewing muscles. Ways of penetration and spread of infection in soft tissues, theory of development of pathogenesis of maxillofacial inflammatory diseases.

2.	PC-6 PC-7	<p>Odontogenic osteomyelitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.</p>	<p>Одонтогенный остеомиелит. Этиология и патогенез. Классификация. Дифференциальная диагностика. Clinical picture of acute, subacute and chronic stage of odontogenic osteomyelitis. Topical and differential diagnosis. Principles of planning complex treatment. Features of surgical treatment. Role of antibiotic therapy, detoxification, use of medicaments, immunotherapy, physical methods of treatment as ways to solve the problem of pathogenetic therapy of patients with odontogenic osteomyelitis. Principles of intensive care. Operational access choice value. Analgesia for odontogenic osteomyelitis surgery.</p>
3.	PC-6 PC-7	<p>Odontogenic maxillary sinusitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.</p>	<p>Odontogenic maxillary sinusitis. Etiology and pathogenesis. Classification. Differential diagnosis. Clinical picture of acute and chronic odontogenic maxillary sinusitis. Topical and differential diagnosis. Principles of planning complex treatment. Features of surgical treatment. Role of antibiotic therapy, detoxification, use of medicaments, immunotherapy, physical methods of treatment as ways to solve the problem of pathogenetic therapy of patients with odontogenic maxillary sinusitis.</p>
4.	UC-1 PC-6 PC-7	<p>General Principles of Treatment of Inflammatory Diseases of maxillofacial region. Detoxification therapy.</p>	<p>General principles of treatment of inflammatory diseases of the maxillofacial region. General and local drug therapy. Detoxification therapy.</p>
5.	PC-6 PC-7	<p>Lymphadenitis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Specific lymphadenitis.</p>	<p>Odontogenic lymphadenitis. Etiology and pathogenesis. Classification. Differential diagnosis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Clinical picture of acute and chronic lymphadenitis. Specific lymphadenitis. HIV infection and metastatic changes in lymph nodes. Topical and differential diagnosis. Principles of planning complex treatment. Features of surgical treatment. Role of antibiotic therapy, detoxification, use of medicaments, immunotherapy, physical methods of treatment as ways to solve the problem of pathogenetic therapy of patients with lymphadenitis. Principles of intensive care. Operational access choice value. Analgesia for lymphadenitis surgery.</p>

6.	UC-1	X-ray diagnostics in dentistry	X-ray examination methods used in dentistry for diagnosis and differential diagnosis of inflammatory diseases in maxillofacial region.
7.	UC-1	Physiotherapeutic methods of treating diseases.	Physiotherapeutic Methods of Treatment of Patients with Inflammatory Diseases of the CLF. Patient Rehabilitation.

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)	V	VI	VII
Classroom work, including	-	-	-	-	-
Lectures (L)	0,22	8	-	-	8
Laboratory practicum (LP)	-	-	-	-	-
Practicals (P)	1,0	36	-	-	36
Clinical practice sessions (CPS)	-	-	-	-	-
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	7	Odontogenic osteomyelitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.	2		6			5	13
2	7	Odontogenic maxillary sinusitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.	1		6			5	12
3	7	General principles of treatment of inflammatory diseases of the maxillofacial			6			5	13

		region. Detoxification therapy.	2						
4	7	Lymphadenitis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Specific lymphadenitis Specific lymphadenitis.	1		6			5	12
5	7	X-ray diagnostics in dentistry.	1		6			4	11
6	7	Physiotherapeutic methods of treating diseases.	1		6			4	11
7	7	<i>Exam</i>							
		TOTAL	8		36			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 VII
1.	Odontogenic maxillary sinusitis. Maxillary sinus anatomy, sinusitis classification, clinic, diagnosis, treatment.	2
2.	Osteomyelitis. Этиология, патогенез, клиника, диагностика, дифференциальная диагностика.	1
3.	General principles of treatment of inflammatory diseases of the maxillofacial region. Detoxification therapy.	2
4.	Lymphadenitis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Specific lymphadenitis.	1
5.	X-ray diagnostics in dentistry.	1
6.	Physiotherapeutic methods of treating diseases..	1

6.2.2 Distribution of laboratory workshops by semester: not provided for by FSES

6.2.3. Topic plan for laboratory workshops: not provided for by FSES.

6.2.4. Thematic plan of practicals: not provided for by FSES.

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

6.6 Types and topics of student's individual work (SIW): not provided for by FSES.

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

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

№	Se	Types of	Name	Evaluation tools
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	mes ter	control	of section of academic discipline	Types	number of test questions	number of test task options
1.	7	Learning control	All sections of the discipline	1. Test form 2. Addressing situational challenges at different levels 3. Recipe writing 4. X-ray reading 5. Terminological dictation		

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

8.1. Key literature references:

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

8.2. Further reading

No	Name according to bibliographic requirements	Number of copies	
		at the departmen t	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 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://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
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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. 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.

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	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	283	without limitation, with the right to receive

	educational organizations, with no expiration date, with the right to receive updates for 1 year.					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 ASPECTS OF ODONTOGENIC INFLAMMATION

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)