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:

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 _______(Signature) (Durnovo E.A.)

01.03.2021

AGREED

Deputy Head of EMA ph.d. of biology _

At 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:

N₂	1	The content of the	Code and name of the competence	As a result of students show	f mastering the	e discipline,
	e	competence	achievement indicator		be able to	possess

	code	(or its		know		
	coue	part)		KIIO W		
1.	UC 1	Ability to	IUC 1.1 Know: Methods	Methods	analyses	possess the
1.	001	abstract	and techniques of	and	and	skills of
		thinking,	philosophical analysis;	techniques	evaluate	presenting an
		analysis,	searching and processing	of	the	independent
		synthesis	information	philosophic	situation on	point of view,
		synthesis	IUC 1.2 be able to: analyses	al analysis;	their own;	analysis and
			and evaluate the situation	•	to use	~
				searching and	educational	logical thinking
			· · · · · ·			
			educational, scientific,	processing information	, scientific,	
			popular literature, Internet	Information	popular	
			on a given topic for the		literature,	
			note-taking;		Internet on	
			IUC 1.3 possess: possess		a given	
			the skills of presenting an		topic for	
			independent point of view,		the note-	
			analysis and logical		taking	
2		T 1	thinking	E4:-1	T -	4.5
2.	PC -6	The	IPC 6.1 Know: Etiology,	Etiology,	To	to make a
		identification	pathogenesis, diagnosis,	pathogenes	diagnose	diagnosis
		of a patient's	treatment and prevention of	is,	dental	according to
		of	the most common dentistry	diagnosis,	diseases of	the ICD-10
		pathological	diseases of surgical profile	treatment	surgical	
		conditions,	principle of the ICD-10	and	patients	
		symptoms,	IPC 6.2 Be able to: To	prevention	to justify	
		syndromes of	diagnose dental diseases of	of the	making a	
		dental	surgical patients	most	diagnosis	
		diseases,	to justify making a	common	according	
		nosological	diagnosis according to the	dentistry	to the ICD-	
		forms	ICD-10	diseases of	10	
		according to	IPC 6.3 Possess: to make a	surgical		
		the ICD-10	diagnosis according to the	profile		
		and the	ICD-10	principle		
		related health		of the		
2	DC 7	problems		ICD-10		
3.	PC-7	Ability to	IPC 7.1 Know: Methods of	Methods of	Develop a	Selection and
		determine the	drug and non-	drug and	treatment	prescription of
		tactics of	medicamentous treatment,	non-	plan for	medicines,
		management	medical indications for the	medicamen	children	medical
		of patients	use of medical products in	tous	and adults	products (including
		with various	dental diseases; groups of	treatment,	with dental	(including
		dental	drugs used to provide	medical	illnesses in	dental
		diseases in	medical assistance in the	indications	accordance	materials) for
		accordance	treatment of dental diseases;	for the use	with	the treatment of
		with clinical	mechanism of their action,	of medical	medical	dental diseases
		recommendat	medical indications and	products in	procedures,	in children and
		ions of other	contraindications to the	dental	clinical	adults in
		regulatory	appointment; compatibility,	diseases;	recommend	accordance
		documents of	possible complications, side	groups of	ations,	with the current
		the Ministry	effects, undesirable	drugs used	standards	medical
		of Health of	reactions, including serious	to provide	of medical	procedures,
		the Russian	and unforeseen; principles,	medical	care; select	clinical
		Federation in	techniques and methods of	assistance	and	recommendatio

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	outpatient	anesthesia, selection of the	in the	prescribe	ns, Taking into
	and day	type of local anesthesia in	treatment	medicines,	account the
	hospital	the treatment of dental	of dental	medical	standards of
	conditions,	diseases; ways to prevent or	diseases;	products	medical care;
	taking into	eliminate complications,	mechanism	(including	prescribing
	account age	side effects, undesirable	of their	dental	dietary and
	patient.	reactions, including serious	action,	materials),	therapeutic
		and unforeseen, arising in	medical	dietary	regimens for
		the examination or	indications	intake,	the treatment of
		treatment of patients with	and	treatment	dental illnesses
		dental diseases, pulp,	contraindic	and health	in children and
		periodonta, periodontal,	ations to	regime for	adults in
		mucous membrane of the	the	treatment	accordance
		mouth and lips; Materials	appointmen	of children	with the current
		science, technology,	t;	and adults	medical
		equipment and medical	compatibili	with dental	procedures and
		products used in dentistry;	ty, possible	diseases in	clinical
		anatomy of the head,	complicatio	accordance	recommendatio
		maxillofacial area, features	ns, side	with	ns, Taking into
		of blood supply and	effects,	current	account health
		innervation; dental	undesirable	medical	care standards;
		structure; histology and	reactions,	procedures,	Performing
		embryology of the oral and	including	clinical	medical
		dental cavity, the main	serious and	recommend	interventions in
		violations of	unforeseen;	ations,	children and
		embryogenesis;	principles,	Taking into	adults with
		ИПК 7.2 Be able to:	techniques	account	dental illnesses
		Develop a treatment plan	and	health care	in accordance
		for children and adults with	methods of	standards;	with existing
		dental illnesses in	anesthesia,	determine	medical
		accordance with medical	selection of	medical	procedures and
		procedures, clinical	the type of	indications	clinical
		recommendations, standards	local	and	recommendatio
		of medical care; select and	anesthesia	contraindic	ns, taking into
		prescribe medicines,	in the	ations to	account
		medical products (including	treatment	the conduct	medical care
		dental materials), dietary	of dental	of methods	standards;
		intake, treatment and health	diseases;	of local	Evaluation of
		regime for treatment of	ways to	anaesthesia	medical
		children and adults with	prevent or	of the	interventions in
		dental diseases in	eliminate	maxillofaci	children and
		accordance with current	complicatio	al region;	adults with
		medical procedures, clinical	ns, side	conduct	dental
		recommendations, Taking	effects,	local	conditions;
		into account health care	undesirable	anesthesia	selection and
		standards; determine	reactions,		conduct of
		medical indications and	including	(applicatio	local anesthesia
		contraindications to the	U	n, infiltration	
			serious and	infiltration,	(application,
		conduct of methods of local	unforeseen,	conductor)	infiltration,
		anaesthesia of the	arising in	in children	conductor) in
		maxillofacial region;	the	and adults	children and
		conduct local anesthesia	examinatio	with dental	adults with
		(application, infiltration,	n or	diseases;	dental diseases;
1 1	1	conductor) in children and	treatment	perform	evaluation of

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adults with dental diseases;	of patients	medical	the
perform medical	with dental	interventio	effectiveness
interventions, including	diseases,	ns,	and safety of
therapeutic, in children and	pulp,	including	the use of
adults with dental diseases	periodonta,	therapeutic,	medicines,
in outpatient conditions	periodontal	in children	medical
(excluding repeated	, mucous	and adults	products and
endodontic treatment): -	membrane	with dental	non-
oral and dental hygiene	of the	diseases in	pharmacologica
education individual,	mouth and	outpatient	l treatment in
Selection of oral hygiene	lips;	conditions	children and
products; controlled tooth	Materials	(excluding	adults with
cleaning; - professional oral	science,	repeated	dental diseases;
and dental hygiene; -	technology,	endodontic	consulting
injection of medicines in the	equipment	treatment):	children and
maxillofacial area; - local	and	- oral and	adults with
use of remineralizing drugs	medical	dental	diseases of the
in the tooth area; - deep	products	hygiene	mucous
fluorination of tooth	used in	education	membrane of
enamel; - sealing the tooth	dentistry;	individual,	the mouth and
fissures with a hermetically	anatomy of	Selection	lips,
sealed seal; - professional	the head,	of oral	determination
teeth whitening; - tooth	maxillofaci	hygiene	of indications
filling restoration using	al area,	products;	for referral to
dental cements, chemical	features of	controlled	medical
curing materials,	blood	tooth	specialists;
photopolymers; - tooth	supply and	cleaning; -	selection and
restoration in violation of	innervation	professiona	prescription of
the contact point; - tooth	; dental	l oral and	medicines and
restoration with filling	structure;	dental	medical
material using anchor pins;	histology	hygiene; -	products taking
- the application of a	and	injection of	
deviating paste; -	embryolog	medicines	diagnosis, the
pulverization (coronal pulp	y of the	in the	age and clinical
amputation); - pulp	oral and	maxillofaci	picture of
extermination; -	dental	al area; -	dental disease
instrumental and medicinal	cavity, the	local use of	in accordance
treatment of a well-	main	remineraliz	with the
traversed root canal; -	violations	ing drugs	procedures for
temporary filling with a	of	in the tooth	the provision of
medicinal preparation of the	embryogen	area; - deep	medical care,
root canal; - Filling of the	esis.	fluorination	clinical
root canal of the tooth with	6515.	of tooth	recommendatio
		enamel; -	
paste, gutta-percha pins; -			ns, taking into account the
Removal of supraspinous and subsurface dental		sealing the tooth	standards of
		fissures	medical care;
deposits in the tooth area		with a	determination
(manual method); -			
Ultrasonic removal of		hermeticall	of the methods
supraspinous and		y sealed	of introduction,
subsurface dental deposits		seal; -	regime and
in the tooth area; - closed	1	professiona	dosage of
		-	<u> </u>
curettage for periodontal diseases in the tooth area; -		l teeth whitening;	medicines; Selection and

and institution of a medical	4 41-	
application of a medical	- tooth	appointment of
dressing for periodontal	filling	non-
diseases in the area of one	restoration	pharmacologica
jaw;- Prescription of	using	l treatment for
medicinal therapy for oral	dental	children and
and dental diseases;	cements,	adults with
prescription of diet therapy	chemical	dental diseases
for oral and dental diseases;	curing	in accordance
medical interventions,	materials,	with medical
including surgical	photopoly	procedures,
interventions, for children	mers; -	clinical
and adults with dental	tooth	recommendatio
diseases in outpatient	restoration	ns, taking into
settings (excluding	in violation	account
removals of retinated and	of the	medical care
distorted teeth): - tooth	contact	standards;
removal; - temporary tooth	point; -	prevention and
removal; - permanent tooth	tooth	treatment of
removal; - dentogenic	restoration	complications,
abscess opening and	with filling	side effects,
venting; oral cavity stage by	material	undesirable
stage (excluding oral health	using	reactions,
care for children under	anchor	including
anaesthesiology); perform	pins; - the	unforeseen,
medical interventions,	application	arising from
including orthopaedic	of a	diagnostic or
interventions, in adults with	deviating	therapeutic
dental diseases in outpatient	paste; -	manipulation,
settings (excluding	pulverizati	the use of drugs
prosthetics on dental	on (coronal	and (or)
implants, technologies of	pulp	medical
automated manufacturing of	amputation	products, non-
orthopedic structures, full); - pulp	pharmacologica
removable plate and tube	exterminati	l treatment at
prostheses): - Production of	on; -	the dentistry;
anatomical and functional	instrumenta	provision of
impressions; - restoration of	l and	medical
tooth crown; - restoration of	medicinal	assistance to
tooth row integrity	treatment	children and
permanent bridges; -	of a well-	adults in
prosthesis partial removable	traversed	sudden acute
plate prostheses; -	root canal;	diseases,
correction of removable	- temporary	conditions,
orthopedic structure; -	filling with	aggravation of
removal of permanent	a medicinal	chronic
orthopaedic structure;	preparation	diseases
interpretation of the results	of the root	without clear
of X-rays of the	canal; -	signs of a threat
maxillofacial area;	Filling of	to the life of the
consulting children and	the root	patient in
adults with diseases of the	canal of the	-
mucous membrane of the	tooth with	urgent form; the use of
		medicines and
mouth and lips, determining indications for referral to	paste,	medical
	gutta-	meuleal

doctors-specialists; prevent	percha	products in the
or eliminate complications,	pins; -	provision of
side effects, undesirable	Removal of	emergency
reactions, including	supraspino	medical care.
	us and	metrical care.
unforeseen, arising as a	subsurface	
result of diagnostic or		
therapeutic manipulation,	dental	
the use of drugs and (or)	deposits in	
medical products, non-	the tooth	
pharmacological treatment.	area	
IPC 7.3 Possess: Selection	(manual	
and prescription of	method); -	
medicines, medical products	Ultrasonic	
(including dental materials)	removal of	
for the treatment of dental	supraspino	
diseases in children and	us and	
adults in accordance with	subsurface	
the current medical	dental	
procedures, clinical	deposits in	
recommendations, Taking	the tooth	
into account the standards	area; -	
of medical care; prescribing	closed	
dietary and therapeutic	curettage	
regimens for the treatment	for	
of dental illnesses in	periodontal	
children and adults in	diseases in	
accordance with the current	the tooth	
medical procedures and		
-	area; -	
clinical recommendations,	application	
Taking into account health	of a	
care standards;	medical	
Performing medical	dressing	
interventions in children	for	
and adults with dental	periodontal	
illnesses in accordance with	diseases in	
existing medical procedures	the area of	
and clinical	one jaw;-	
recommendations, taking	Prescriptio	
into account medical care	n of	
standards; Evaluation of	medicinal	
medical interventions in	therapy for	
children and adults with	oral and	
dental conditions; selection	dental	
and conduct of local	diseases;	
anesthesia (application,	prescriptio	
infiltration, conductor) in	n of diet	
children and adults with	therapy for	
dental diseases; evaluation	oral and	
of the effectiveness and	dental	
safety of the use of	diseases;	
	medical	
medicines, medical products		
and non-pharmacological	interventio	
treatment in children and	ns,	
adults with dental diseases;	including	

		• • •
consulting children and		rgical
adults with diseases of the		erventio
mucous membrane of the	ns,	for
mouth and lips,	chi	ildren
determination of indications	and	d adults
for referral to medical	wit	th dental
specialists; selection and	dis	seases in
prescription of medicines	ou	tpatient
and medical products taking		tings
into account the diagnosis,		cluding
the age and clinical picture		novals
of dental disease in		retinated
accordance with the	and	
procedures for the provision		storted
of medical care, clinical		eth): -
recommendations, taking	too	·
into account the standards		noval; -
of medical care;		nporary
determination of the	too	
methods of introduction,		noval; -
regime and dosage of		rmanent
medicines; Selection and	too	
appointment of non-		noval; -
pharmacological treatment		ntogenic
for children and adults with		scess
dental diseases in		ening
accordance with medical	and	-
procedures, clinical		nting;
recommendations, taking		al cavity
into account medical care		ge by
standards; prevention and	sta	
treatment of complications,		cluding
side effects, undesirable		al health
reactions, including		te for
unforeseen, arising from		ildren
diagnostic or therapeutic		der
manipulation, the use of		aesthesio
drugs and (or) medical		
products, non-	-	gy); rform
pharmacological treatment	-	edical
at the dentistry; provision of		erventio
medical assistance to	-	
children and adults in	ns,	
		cluding
sudden acute diseases,		hopaedic
conditions, aggravation of		erventio
chronic diseases without	ns,	
clear signs of a threat to the		ults with
life of the patient in urgent		ntal
form; the use of medicines		eases in
and medical products in the		tpatient
provision of emergency		tings
medical care.		cluding
	-	osthetics
	on	dental

implants, technologie s of auromated manufactur ing of orthopedic structures, full removable plate and tube prostheses) :- Production of anatomical and functional impression S:- restoration of tooth crown;- restoration of tooth crown;- restoration of tooth row integrity permanent bridges;- prosthesis partial removable plate plate plate partial removable plate plate partial removable plate plate orthopedic structure;- removable plate orthopedic structure;- removable plate orthopedic structure;- removable plate orthopedic structure;- removable orthopedic structure;- removal of permanent orthopaedic structure;- removal of permanent orthopaedic structure;- removal of permanent orthopaedic structure; interpretati on of the maxillofaci al area; al al area; al area			
s of automated manufactur ing of orthopedic structures, full removable plate and tube prostheses) : - Production of anatomical and functional impression s: - restoration of tooth crown; - restoration of tooth crown; - restoration of tooth row integrity permanent bridges; - prostheses partial removable plate prostheses; - correction of removable plate structure; - removable orthopedic structure; - removable structure;			
automated manufactur ing of orthopedie structures, full removable plate and tube prostheses) :- Production of anatomical and functional impression s;- restoration of tooth crowm:- restoration of tooth crowm:- restoration of tooth row integrity permanent bridges; - prostheses partial removable plate prostheses; - correction of removable plate prostheses; - correction of structure; - removable orthopedie structure; - removable orthopedie structure; interpretai on of the removable plate prostheses; - correction of removable orthopedie structure; - removable orthopedie structure; interpretai on of the removable orthopedie structure; interpretai on of the removable orthopedic structure; interpretai on of the removable orthopedic structure; interpretai on of the removal of permanent orthopedic structure; interpretai on of the removal of permanent orthopedic structure; interpretai on of the results of X-rays of the maxillofaci al area; consulting			technologie
anufactur ing of ing of orthopedic structures, full removable plate and tube prostheses) :- Production of anatomical and functional impression s:- restoration of tooth of tooth crowr:- restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate prostheses; - - correction of of removable ofthopedic structure; - removable orthopaedic structure; - removal of permanent. orthopaedic structure; - removal of permanent.			s of
anufactur ing of ing of orthopedic structures, full removable plate and tube prostheses) :- Production of anatomical and functional impression s:- restoration of tooth of tooth crowr:- restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate prostheses; - - correction of of removable ofthopedic structure; - removable orthopaedic structure; - removal of permanent. orthopaedic structure; - removal of permanent.			automated
ing of orthopedic structures, full removable plate and tube prostheses) : - Production of anatomical and functional impression s; - restoration of tooth crown; - restoration of tooth crown; - restoration of tooth bridges; - prosthesis partial removable plate plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable removable removabl			
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structures, full removable plate and tube prostheses) i - Production of anatomical and functional impression s, - restoration of tooth crown; - restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate partial removable plate partial removable plate partial removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate prostheses spartial removable plate structure; - removable structure; interpretati on of the results of X-rays of the maxillofaci al area; consulting children			orthopedic
full removable plate and tube prostheses) :- Production of anatomical and functional impression s:- restoration of tooth crown;- restoration of tooth row integrity permanent bridges; - prosthesis partial removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate prostheses; - correction of removable plate structure; - removable orthopedic structure; - removable orthopedic structure; interpretati on of the results of X-rays of the maxillofaci al area; consulting children			
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treatment.				treatment.

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

N⁰	Compe tence 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	Odontogenic osteomyelitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.	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.
3.	PC-6 PC-7	Odontogenic maxillary sinusitis. Classification, etiology, pathogenesis. Clinical picture. Diagnosis. General principles of treatment.	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.
4.	UC-1 PC-6 PC-7	General Principles of Treatment of Inflammatory Diseases of maxilla- facial region. Detoxification therapy.	General principles of treatment of inflammatory diseases of the maxillofacial region. General and local drug therapy. Detoxification therapy.
5.	PC-6 PC-7	Lymphadenitis. Anatomical features of the structure of the lymphatic system of the maxillofacial region. Specific lymphadenitis.	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 lymphadentitis. 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.

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		
	volume in	volume in		semester	s
	credit units	academic	V	VI	VII
	(CU)	hours (AH)			
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 discipline6.1. Sections of the discipline and types of academic work:

№	Semester	Name of the section of the discipline	Types	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

		rigion. 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	Exam					
	<u>чт</u> 1	TOTAL	8	36	1	 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:

N⁰	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.		
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

NG.	C .	T	NT	English (see the set
N⁰	Se	Types of	Name	Evaluation tools

	mes	control	of		number of	number
	ter		section		test	of
			of	Types	questions	test task
			academic			options
			discipline			
1.	7	Learning	All sections of	1. Test form		
		control	the discipline	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:

	6.1. Key inclature references.			
N⁰	Name according to bibliographic requirements	Number of copies		
		at the department	in the library	
1.	Abscesses and phlegmons of the maxillofacial	http://nbk.pimunn.net/M	legaPro/UserEntry?	
	region: study guide / E. A. Durnovo, A. I.	Action=Link_FindDoc&	kid=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-	-	3	
	Based Textbook / J. W. Frame, J. Pedlar ;			
	Pedlar J. ; Frame, J. W. – Edinburgh: Churchill			
	Livingstone, 2001.			
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

		Number of c	copies
No	Name according to bibliographic requirements	at the	in the
		departmen	library
		t	
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)*

0.3.	8.5.1. Internal Electronic Library System of the University (IELSU)*						
Name o	of the	Brief description (content)	Access conditions	Number of users			
electronic							
resource							
Internal E	lectronic	The works of the academy's	from any computer with the	unlimited			
Library Sy	stem of	teaching staff: textbooks and	Internet. access with an				
the U	niversity	teaching aids, monographs,	individual username and				
(IELSU)		collections of scientific papers,	password [electronic				
		scientific articles, dissertations,	resource] – Access mode:				
		abstracts, patents.	http://95.79.46.206/login.ph				
			р				

8.3.2. Electronic educational	resources acquired by the University
	resources acquired by the Oniversity

	Brief description (content)	Access conditions	Number of users
electronic			
resource			
Electronic database	Educational literature +	from any computer on the	PIMU general
"Student's	additional materials (audio,	internet with an individual	subscription
Consultant"	video, interactive materials,	username and password	-
	tests) for higher medical and	[electronic resource] –	
	pharmaceutical education.	Access mode:	
	The publications are structured	http://www.studmedlib.ru/	
	by specialities and disciplines in		
	accordance with the current		
	FSES HE		
Electronic Library	Educational and scientific	Connection to any computer	PIMU general
System «Bookup»	medical literature from Russian	on the Internet with a	subscription
	publishers, including	username and password,	
	translations of foreign editions.	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/	
«Bibliopoisk»	Integrated search service «	A demo version of the	PIMU general
	Single Window» for electronic	Bibliopoisk search engine	subscription
	catalogues, EER and full-text	has been made available to	
	databases.	PIMU:	
	Single search results in the	http://bibliosearch.ru/pimu.	
	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.		

National electronic	Medical and higher education	from the academy's	
	_	-	
periodicals	periodicals	computers on the	
		eLIBRARY.RU digital	
		library platform	
		-journals	
		Mediasfera - from library	
		computers or	
		provided by the library on	
		user request [electronic	
		resource] – Access mode :	
		https://elibrary.ru/	
International	Web of Science covers material	Free access from PIMU	Free access from
scientometric	in the natural sciences,	computers. [electronic	PIMU
database «Web of	engineering, social sciences,	resource] – Access mode:	computers
Science Core	humanities; takes into account	http://apps.webofknowledge	-
Collection»	cross-citation of publications	.com	
	developed and provided by		
	Thomson Reuters; has built-in		
	search, analysis and		
	management of bibliographic		
	information.		

8.3.3 Open access resources							
Name of the electronic resource	Brief description (content)	Access conditions					
Federalelectronicmedicallibrary(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	clinical guidelines for the diagnosis and treatment of	from any computer with
Society of	internal organs diseases [electronic resource] -	the Internet
Physicians	Access mode: www.rnmot.ru – Russian Scientific	
	Society of Physicians	

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.					
	Software	number	Type of	Manufactur	Number	Contract
Ite		of	software	er	in the	No. and date
m		licenses			unified	
no.					register of	
					Russian	
					software	
1	Wtware	100	Thin Client	Kovalev	1960	2471/05-18
			Operating	Andrey		from
			System	Alexandrovi		28.05.2018
				ch		
2	MyOffice is	220	Office	LLC "NEW	283	without
	Standard. A		Application	CLOUD		limitation,
	corporate user			TECHNOL		with the right
	license for			OGIES"		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 Subscripti on	
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/HN10 030 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: <u>31.05.03 STOMATOLOGY</u>

(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			<u> </u>	

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)