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



WORKING PROGRAM

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

Specialty: 31.05.03 DENTISTRY

Qualification: **DENTIST**

Department: ORAL AND MAXILLOFACIAL SURGERY

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 72 academic hours

Nizhny Novgorod 2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.03 Stomatology, approved by Order of the Ministry for Education and Science of the Russian Federation No. 984 of August 12, 2020.

Developers of the work program:

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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

the Deputy Head of EMA ph.d. of biology Lovtsova L.V. (signature)

01.03.2021

1. The purpose and objectives of mastering the academic discipline «Modern methods of oral surgery preparation for prosthetics» (hereinafter – the discipline)

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

1.2. Tasks of the discipline:

1. Study of general and specific issues of the modern stage of development of dental implantology;

2. Mastering the algorithm of diagnosis, planning and forecasting of results of implant treatment;

3. Study of surgical techniques of implant treatment;

4. Study approaches to prevention of complications of implant treatment;

5. Study of indications for reconstructive interventions in preparation for dental implantation.

1.3. Requirements to the deliverables of mastering the discipline

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

Know:

- principles and methods of integrated outpatient treatment, including conservative interventions and periodontal surgery;

- principles of collective management of patients with periodontal diseases with doctors of related specialties;

- professional ethics and deontological aspects of medical treatment and prevention, the role of informed consent; methods and means of health education;

- various techniques of patchwork operations on soft oral tissues;

- ways of conducting vestibuloplasty and frenuloplasty;

- elimination of problems on the soft tissues of the mucous membrane of the mouth using and without the use of free gingival grafts.

Be able to:

- interpret the results of laboratory and instrumental methods of examination;

- plan the examination and treatment of a specific patient taking into account the involvement of specialists in related dental specialties;

- provide emergency assistance in the treatment of acute processes in periodontology;

- choose the best option and perform the necessary amount of surgery on the periodontium;

- correct documentation with which the dentist-periodontist deals;

- to provide qualified assistance in urgent conditions of the patient in periodontology.

Possess:

- methods of general clinical examination of a patient and registration of medical card of a patient suffering from periodontium pathology;

- correct management of medical records of patients with periodontal pathology;

- interpretation of results of laboratory, instrumental methods of diagnostics;

- advanced clinical diagnosis algorithm;

- methods of opening periodontal abscesses;

- basic and supplementary methods of surgical treatment of periodontal diseases;

- choose osteoplastic preparations for targeted regeneration of periodontal tissues depending on the type of periodontal defects;

- properly use surgical technique depending on the type of surgery;

- and methods of post-operative rehabilitation.

2. Position of the academic discipline in the structure of the General Educational Program of Higher Education (GEP HE) of the organization:

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

The discipline «Modern aspects of odontogenic inflammation» is taught in 10 semester of study.

2.2. The following knowledge, skills and abilities formed by previous academic disciplines are required for mastering the discipline:

- 1. Normal human anatomy;
- 2. Pathological anatomy;
- 3. Physiology;
- 4. Pathophysiology;
- 5. Pharmacology;
- 6. Biochemistry;
- 7. Topographic anatomy and operative surgery;
- 8. Microbiology;
- 9. Histology;
- 10. Radiology;
- 11. Propaedeutic dentistry.

3. Deliverables of mastering the academic discipline and metrics of competence acquisition:

Mastering the discipline aims at acquiring the following universal (UC) or/and professional (PC) competencies:

	C			A 1/	<u> </u>	1' ' 1'
	Comp	The content	Code and name of		f mastering the	e discipline,
	etenc	of the	the competence	students show	ıld:	
N⁰	e	competence	achievement indicator			
	code	(or its		know	be able to	possess
		part)				
1.	UC 1	Ability to	IUC 1.1 Know: Methods	Methods	analyses	possess the
		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,
			IUC 1.2 be able to: analyses	al analysis;	their own;	analysis and
			and evaluate the situation	searching	to use	logical thinking
			on their own;to use	and	educational	
			educational, scientific,	processing	, 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	
			thinking			
2.	PC -6	The	IPC 6.1 Know: Etiology,	Etiology,	То	to make a
		identification	pathogenesis, diagnosis,	pathogenes	diagnose	diagnosis
		of a patient's	treatment and prevention of	is,	dental	according to

	1					
		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		
		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		tous	and adults	products
		with various	dental diseases; groups of	treatment,	with dental	(including
		dental	drugs used to provide	medical	illnesses in	dental
1		diseases in	medical assistance in the	indications	accordance	materials) for
		accordance	treatment of dental diseases;	for the use	with	the treatment of
		with clinical		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		groups of	ations,	with the current
		the Ministry		drugs used	standards	medical
		of Health of		to provide	of medical	procedures,
		the Russian	e e	medical	care; select	clinical
		Federation in			and	recommendatio
		outpatient	anesthesia, selection of the	in the	prescribe	ns, Taking into
		and day		treatment	medicines,	account the
		hospital	the treatment of dental	of dental	medical	standards of
		conditions,	diseases; ways to prevent or	diseases;	products	medical care;
		,		mechanism	-	
		taking into	· · · · · · · · · · · · · · · · · · ·	of their	(including dental	prescribing
		account age patient.	-			dietary and therapeutic
		patient.	reactions, including serious	action,	materials),	1
			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
			periodontium, 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
1			anatomy of the head,	complicatio	accordance	recommendatio
<u> </u>			maxillofacial area, features	ns, side	with	ns, Taking into

	<u> </u>		.1 1.1
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
Be able to: Develop a	techniques	account	dental illnesses
treatment plan for children	and	health care	in accordance
and adults with dental	methods of	standards;	with existing
illnesses in accordance with	anesthesia,	determine	medical
medical procedures, clinical	selection of	medical	procedures and
recommendations, standards	the type of	indications	clinical
of medical care; select and	local	and	recommendatio
prescribe medicines,	anesthesia	contraindic	ns, taking into
medical products (including	in the	ations to	account
dental materials), dietary	treatment	the conduct	medical care
intake, treatment and health	of dental	of methods	standards;
regime for treatment of	diseases;	of local	Evaluation of
children and adults with	ways to	anaesthesia	medical
dental diseases in	prevent or	of the	interventions in
accordance with current	eliminate	maxillofaci	children and
medical procedures, clinical	complicatio	al region;	adults with
recommendations, Taking	ns, side	conduct	dental
into account health care	effects,	local	conditions;
standards; determine	undesirable	anesthesia	selection and
medical indications and	reactions,	(applicatio	conduct of
contraindications to the	including	n,	local anesthesia
conduct of methods of local	serious and	infiltration,	(application,
anaesthesia of the	unforeseen,	conductor)	infiltration,
maxillofacial region;	arising in	in children	conductor) in
conduct local anesthesia	the	and adults	children and
(application, infiltration,	examinatio	with dental	adults with
conductor) in children and	n or	diseases;	dental diseases;
adults with dental diseases;	treatment	perform	evaluation of
perform medical	of patients	medical	the
1	with dental	interventio	effectiveness
interventions, including			
therapeutic, in children and	diseases,	ns,	and safety of the use of
adults with dental diseases	pulp,	including therepoutie	
in outpatient conditions	periodontiu	therapeutic, in children	medicines,
(excluding repeated	m,		medical
endodontic treatment): -	periodontal	and adults	products and
oral and dental hygiene	, mucous	with dental	non-
education individual,	membrane	diseases in	pharmacologica
Selection of oral hygiene	of the	outpatient	l treatment in
products; controlled tooth	mouth and	conditions	children and
cleaning; - professional oral	lips;	(excluding	adults with
and dental hygiene; -	Materials	repeated	dental diseases;
injection of medicines in the	science,	endodontic	consulting
maxillofacial area; - local	technology,	treatment):	children and
use of remineralizing drugs	equipment	- oral and	adults with

 		-		
	in the tooth area; - deep	and	dental	diseases of the
	fluorination of tooth	medical	hygiene	mucous
	enamel; - sealing the tooth	products	education	membrane of
	fissures with a hermetically	used in	individual,	the mouth and
	sealed seal; - professional	dentistry;	Selection	lips,
	teeth whitening; - tooth	anatomy of	of oral	determination
	filling restoration using	the head,	hygiene	of indications
	dental cements, chemical	maxillofaci	products;	for referral to
	curing materials,	al area,	controlled	medical
	photopolymers; - tooth	features of	tooth	specialists;
	restoration in violation of	blood	cleaning; -	selection and
	the contact point; - tooth	supply and	professiona	prescription of
	restoration with filling	innervation	l oral and	medicines and
	material using anchor pins;	; dental	dental	medical
	- the application of a	structure;	hygiene; -	products taking
	deviating paste; -	histology	injection of	into account the
	pulverization (coronal pulp	and	medicines	diagnosis, the
	amputation); - pulp	embryolog	in the	age and clinical
	extermination; -	y of the	maxillofaci	picture of
	instrumental and medicinal	oral and	al area; -	dental disease
	treatment of a well-	dental	local use of	in accordance
	traversed root canal; -	cavity, the	remineraliz	with the
	temporary filling with a	main	ing drugs	procedures for
	medicinal preparation of the	violations	in the tooth	the provision of
	root canal; - Filling of the	of	area; - deep	medical care,
	root canal of the tooth with	-	fluorination	clinical
		embryogen esis.	of tooth	recommendatio
	paste, gutta-percha pins; - Removal of supraspinous	C818.		ns, taking into
	and subsurface dental		enamel; -	account the
			sealing the tooth	standards of
	deposits in the tooth area			
	(manual method); -		fissures	medical care;
	Ultrasonic removal of		with a	determination
	supraspinous and		hermeticall	of the methods
	subsurface dental deposits		y sealed	of introduction,
	in the tooth area; - closed		seal; -	regime and
	curettage for periodontal		professiona	dosage of
	diseases in the tooth area; -		l teeth	medicines;
	application of a medical		whitening;	Selection and
	dressing for periodontal		- tooth	appointment of
	diseases in the area of one		filling	non-
	jaw;- Prescription of		restoration	pharmacologica
	medicinal therapy for oral		using	l treatment for
	and dental diseases;		dental	children and
	prescription of diet therapy		cements,	adults with
	for oral and dental diseases;		chemical	dental diseases
	medical interventions,		curing	in accordance
	including surgical		materials,	with medical
	interventions, for children		photopoly	procedures,
	and adults with dental		mers; -	clinical
	diseases in outpatient		tooth	recommendatio
	settings (excluding		restoration	ns, taking into

removals of retinated and	in violation	account
distorted teeth): - tooth	of the	medical care
removal; - temporary tooth	contact	standards;
removal; - permanent tooth	point; -	prevention and
removal; - odontogenic	tooth	treatment of
abscess opening and	restoration	complications,
venting; oral cavity stage by	with filling	side effects,
stage (excluding oral health	material	undesirable
care for children under	using	reactions,
anesthesiology); perform	anchor	including
medical interventions,	pins; - the	unforeseen,
including orthopedic	application	arising from
interventions, in adults with	of a	diagnostic or
dental diseases in outpatient	deviating	therapeutic
settings (excluding	paste; -	manipulation,
prosthetics on dental	pulverizati	the use of drugs
implants, technologies of	on (coronal	and (or)
automated manufacturing of	pulp	medical
orthopedic structures, full	amputation	products, non-
removable plate and tube); - pulp	pharmacologica
prostheses): - Production of	exterminati	l treatment at
anatomical and functional	on; -	the dentistry;
impressions; - restoration of	instrumenta	provision of
tooth crown; - restoration of	l and	medical
tooth row integrity	medicinal	assistance to
permanent bridges; -	treatment	children and
prosthesis partial removable	of a well-	adults in
plate prostheses; -	traversed	sudden acute
correction of removable	root canal;	diseases,
orthopedic structure; -	- temporary	conditions,
removal of permanent	filling with	aggravation of
orthopedic structure;	a medicinal	chronic
interpretation of the results	preparation	diseases
of X-rays of the	of the root	without clear
maxillofacial area;	canal; -	signs of a threat
consulting children and	Filling of	to the life of the
adults with diseases of the	the root	patient in
mucous membrane of the	canal of the	urgent form;
mouth and lips, determining	tooth with	the use of
indications for referral to	paste,	medicines and
doctors-specialists; prevent	gutta-	medical
or eliminate complications,	percha	products in the
side effects, undesirable	pins; -	provision of
reactions, including	Removal of	emergency
unforeseen, arising as a	supraspino	medical care.
result of diagnostic or	us and	mourear care.
therapeutic manipulation,	subsurface	
the use of drugs and (or)	dental	
medical products, non-	deposits in	
-	the tooth	
pharmacological treatment.		
IPC 7.3 Possess: Selection	area	

	and prescription of	(manual
	medicines, medical products	method); -
	(including dental materials)	Ultrasonic
	for the treatment of dental	removal of
	diseases in children and	supraspino
	adults in accordance with	us and
	the current medical	subsurface
	procedures, clinical	dental
	recommendations, Taking	deposits in
	into account the standards	the tooth
	of medical care; prescribing	area; -
	dietary and therapeutic	closed
	regimens for the treatment	curettage
	of dental illnesses in	for
	children and adults in	periodontal
	accordance with the current	diseases in
	medical procedures and	the tooth
	clinical recommendations,	area; -
	Taking into account health	application
	care standards;	of a
	Performing medical	medical
	interventions in children	dressing
	and adults with dental	for
	illnesses in accordance with	periodontal
	existing medical procedures	diseases in
	and clinical	the area of
	recommendations, taking	one jaw;-
	into account medical care	Prescriptio
	standards; Evaluation of	n of
	medical interventions in	medicinal
	children and adults with	therapy for
	dental conditions; selection	oral and
	and conduct of local	dental
	anesthesia (application,	diseases;
	infiltration, conductor) in	prescriptio
	children and adults with	n of diet
	dental diseases; evaluation	therapy for
	of the effectiveness and	oral and
	safety of the use of	dental
	medicines, medical products	diseases;
	and non-pharmacological	medical
	treatment in children and	interventio
	adults with dental diseases;	ns,
	consulting children and	including
	adults with diseases of the	surgical
	mucous membrane of the	interventio
	mouth and lips,	ns, for
	determination of indications	children
	for referral to medical	and adults
	specialists; selection and	with dental
	prescription of medicines	diseases in
I		

and medical products taking	outpatient
into account the diagnosis,	settings
the age and clinical picture	(excluding
of dental disease in	removals
accordance with the	of retinated
procedures for the provision	and
of medical care, clinical	distorted
recommendations, taking	teeth): -
into account the standards	tooth
of medical care;	removal; -
determination of the	temporary
methods of introduction,	tooth
regime and dosage of	removal; -
medicines; Selection and	permanent
appointment of non-	tooth
pharmacological treatment	removal; -
for children and adults with	dentogenic
dental diseases in	abscess
accordance with medical	opening
procedures, clinical	and
recommendations, taking	venting;
into account medical care	oral cavity
standards; prevention and	stage by
treatment of complications,	stage
side effects, undesirable	(excluding
reactions, including	oral health
unforeseen, arising from	care for
diagnostic or therapeutic	children
manipulation, the use of	under
drugs and (or) medical	anesthesiol
products, non-	ogy);
pharmacological treatment	perform
at the dentistry; provision of	medical
medical assistance to	interventio
children and adults in	ns,
sudden acute diseases,	including
conditions, aggravation of	orthopedic
chronic diseases without	interventio
clear signs of a threat to the	ns, in
life of the patient in urgent	adults with
form; the use of medicines	dental
and medical products in the	diseases in
provision of emergency	outpatient
medical care.	_
	settings (excluding
	· · ·
	prosthetics on dental
	implants,
	technologie
	s of
	automated

r		
		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
		row
		integrity
		permanent
		bridges; -
		prosthesis
		partial
		removable
		plate
		prostheses;
		- correction
		of
		removable
		orthopedic
		structure; -
		removal of
		permanent
		orthopedic
		structure;
		interpretati
		on of the
		results of
		X-rays of
		the
		maxillofaci
		al area;
		consulting
		children
		and adults
		with

		1. C
		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
		of drugs
		and (or)
		medical
		products,
		non-
		pharmacolo
		gical
		-
		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	Applicationofimplantsinmaxillofacial surgery	Analysis of defect, evaluation of anatomical, functional and aesthetic disorders. Development of treatment plan. Basic methods of plastic surgery.
2.	UC -1 PC-6	Classificationofperiodontaldiseases.	Classification of Periodontal Diseases (ICD-10 et al.) Features of examination of patients with pathology of periodontitis

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

		membrane technology and titanium frames.
	Prevention and treatment of	Possible complications at the stage of dental implants installation and ways of their elimination. Prevention and treatment of complications
	complications of dental implantation.	arising in the early post-operative period and in the long term dental implantation. The rationale for carrying out professional oral hygiene
		during implantation.

5. Volume of the academic discipline and types of academic work:

Type of educational work	Labor i	Labor intensity			Labor intensity (AH) in		
	volume in	volume in	semesters		S		
	credit units	academic	VIII	IX	Х		
	(CU)	hours (AH)					
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 discipline6.1. Sections of the discipline and types of academic work:

N⁰	Semester	Name of the section of the discipline		Т	ypes of	academi	c work*	(in AH)*	
		· ·	L	LP	PC	CPS	S	SIW	total
1	10	Classification of periodontal diseases. Examination of a patient with periodontal pathology. Additional diagnostic methods. Emergency conditions in periodontology.	2		5			4	11
2	10	The main methods of surgical treatment of periodontal diseases. Additional operations on the periodontal.	2		5			4	11
3	10	Method of directed regeneration of periodontal tissues, osteoplastic preparations in periodontology.	2		5			4	11

4	10	History of formation, modern state and prospects of development of dental (dental) implantology.	1		5		4	10
5	10	Indications and contraindications (restrictions) of dental rehabilitation with dental implants.	1		4		4	9
6	10	Diagnosis and planning of implantation, tools, medical perioperative support.	1		5		4	10
7	10	Surgical methods of dental implantation. Prevention and treatment of complications of dental implantation.	1		5		4	10
		Total	10	2	34	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 X
1.	Classification of periodontal diseases. Protocol of management of	2
	patients diagnosed with periodontitis.	
2.	Modern aspects of treatment and prevention of periodontal	2
	diseases.	
3.	Historical stages of development of dental implantology.	2
4.	Features of surgical methods of dental implantation.	2
5.	Modern methods of preparation of the oral cavity for prosthetics.	2
	TOTAL	10

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

6.2.3 Thematic plan of practical:

N⁰	Topics of practical	Semester X
1.	Basic and additional methods of diagnosing diseases of the	6
	periodontal.	
2.	Modern principles of treatment of boiling defects.	5
3.	Key aspects of the use of surgical tools, suture material.	6
	Hemostasis wound.	
4.	Steps of manufacturing surgical templates.	5
5.	Application of membrane technology and titanium frames for	6
	augmentation of vertical bone defects.	

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

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

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

N⁰	Topics of student's individual work (SIW)	volume in academic hours (AH)
1		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

	Se		Name of section	Evaluation tools			
N⁰	me	Types of	of academic		number of	number of test	
	ste	control	discipline	Types	test	task options	
	r		uiscipiille		questions		
1	10	Learning	Patient	Test tasks	5	5	
		control	examination				
			methods	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:

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&id=224823&idb=		
	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

	v	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:

				\mathcal{O}	5
8.3.1. Internal	Electronic	Library	System of th	ne Universit	v (IELSU)*

8.5.1. Internal Electronic Elorary System of the University (IEESU)					
Name of the	Brief description (content)	Access conditions	Number of users		
electronic					
resource					
Internal Electronic	The works of the academy's	from any computer with the	unlimited		
Library System of	teaching staff: textbooks and	Internet. access with an			
the University	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

Name	of	the	Brief description (content)	Access conditions	Number of users
electroni	с				
resource					

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	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	Free access from PIMU computers. [electronic resource] – Access mode: http://apps.webofknowledge .com	Free access from PIMU computers

information.	

8.3.3 Open access resources

0.5.5 Open ac	cess 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 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

Ite m no.	Software	number of licenses	Type of software	Manufactur er	Number in the unified register of Russian software	Contract No. and date
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovi ch	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 TECHNOL OGIES"	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 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 METHODS OF ORAL SURGERY PREPARATION FOR PROSTHETICS

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				

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)