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 PROGRAMM Elective discipline

Name of the discipline (according to the working curriculum): **AESTHETICS IN DENTISTRY**

Specialty: 31.05.03 DENTISTRY

Qualification: **DENTIST**

Department: THERAPEUTIC DENTISTRY

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 specialty 31.05.03 Dentistry approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020.

Program Developers:

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Reviewers:

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The program was reviewed and approved at a meeting of the Department of Therapeutic Dentistry Minutes No. 9 dated April 13, 2021

Head of the Department of Therapeutic Dentistry, MD, Associate Professor

O.A. Uspenskaya _____

Minutes No. 12 dated May 27, 2021

AGREED Deputy Head of EMA ph.d. of biology

Lovtsova L.V.

(signature)

May 27, 2021

1. Goals and objectives of mastering the discipline

Therapeutic dentistry is the leading among dental disciplines, since the main place in it is occupied by the problems of not only treatment, but also the prevention of dental caries, periodontal diseases and oral mucosa. There is a close relationship between restorative dentistry and other clinical disciplines, restorative dentistry is the most important preventive section among all other profiles of dentistry - surgical and orthopedic.

The therapeutic section of dentistry combines a number of diseases of the oral cavity (diseases of the teeth and periodontal tissues, pathology of the oral mucosa and tongue), which are subject to mainly conservative, and often complex etiopathogenetic treatment with the participation of dental surgeons, orthopedists, endocrinologists, gastroenterologists and other specialists.

Aesthetic dentistry is a field of dental science that studies the aesthetics of the maxillofacial region, its norms; anomalies and deformations, methods of their elimination and prevention. That is, the synthesis of dentistry branches working in the name of the beauty of the human face - the most beautiful of the creations of nature. Aesthetic dentistry today includes not only external qualities. First of all, it is health. Dentistry - one of few areas of medicine, the methods of which are constantly updated. The latest materials are available and equipment, and Teaching students in this industry is a necessary part of the educational process.

Practical skills acquired at the Department of Therapeutic Dentistry are the basis for all subsequent creative activities of a dentist.

II Purpose of teaching discipline

The purpose of teaching aesthetic dentistry is to study the origin, development mechanisms, diagnostic methods and modern methods of treating diseases of the teeth, periodontium and oral mucosa.

The process of studying the discipline is aimed at developing the following universal competencies (MC) in the graduate:

Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy (UK-1);

The process of studying the discipline is aimed at developing the following professional competencies (PC) in the graduate:

Ability and readiness to conduct preventive medical examinations, medical examinations of various categories of citizens and the implementation of dispensary observation of patients with dental pathology (PC-2);

Willingness to participate in scientific research, analysis and public presentation of medical information based on evidence-based medicine and to participate in the implementation of new methods and techniques aimed at protecting public health and reducing dental morbidity (PC-12);

The ability to determine the tactics of managing patients with various dental diseases in accordance with the Clinical recommendations and other regulatory documents of the Ministry of Health of the Russian Federation on an outpatient basis and in a day hospital, taking into account the age of the patient (PC-7);

Willingness to collect and analyze complaints and other information from the patient (relatives / legal representatives), his medical history, interpretation of examination results, laboratory, instrumental, pathoanatomical and other studies in order to recognize the condition or establish the presence or absence of a dental disease, symptoms, syndromes of dental diseases, the establishment of nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, and other regulatory documents of the Ministry of Health of the Russian Federation (Procedure for the provision of medical care, Standard of Medical Care, Clinical Recommendations on the provision of medical care, etc.) (PC - 6).

The study of the course of aesthetic therapeutic dentistry begins with the development of the basic elements - asepsis, antisepsis, anesthesia in the practice of modern therapeutic dentistry, the principles and techniques of invasive preparation of hard dental tissues in caries, modern oral hygiene products, the basics of caries prevention, which a student needs to know for successful treatment patient and further development of the course of dentistry.

Manual and theoretical knowledge acquired in the preclinical course allows one to more deeply and fully master the diagnosis and treatment of caries complications, the pathology of hard dental tissues of non-carious origin, periodontal diseases and oral mucosa.

For better assimilation of the material, the educational process is as close as possible to the real work environment in the clinic, which enables students to better master the practical side of the matter. Most of the studied topics in aesthetic dentistry are worked out in two stages: theoretically, then practically in the dental office, which helps to reflect the essence of the topic being studied from different perspectives. This tactic makes it possible to better meet the requirements of bringing teaching closer to practical medicine, to ensure the specific nature of the pedagogical process.

1.2. The tasks of studying the discipline

As a result of studying the discipline

STUDENT SHOULD KNOW:

— stages of development of aesthetic dentistry, the role of leading scientists in the development of the discipline, the basics of organizing dental care. Principles of modern dental office equipment;

- definition, classification, etiology and pathogenesis of dental caries;

— pathological anatomy, clinic, differential diagnostics, methods of treatment and prevention of caries;

- classification, etiology, pathogenesis, pathological anatomy of pulpitis;

— clinic, differential diagnostics, methods of treatment of inflammation of the pulp;

- classification, etiology, pathogenesis, pathological anatomy of periodontitis;

– clinic, differential diagnostics, methods of treatment of periodontal inflammation;

- classification, etiology, pathogenesis, pathological anatomy of lesions of teeth of non-carious origin. Clinic, differential diagnosis, methods of prevention and treatment of lesions of hard tissues of the tooth of non-carious origin;

- classification, etiology, pathogenesis, pathological anatomy of diseases of the oral mucosa. Clinic, differential diagnosis, methods of prevention and treatment of diseases of the oral mucosa;

- possible errors and complications arising in the treatment of caries, its complications, dental diseases of non-carious origin, their elimination and treatment;

- carrying out capillaroscopy and capillarography;

- carrying out reoparodontography;

- Carrying out a radical gingivectomy ;

- radical plastic surgery according to Tseshinsky - Widman - Neumann;

- amputation of exposed molar roots, hemisection of roots in case of periodontal diseases;

- study of the quantitative and qualitative composition of the gingival fluid;

- determination of leukocyte migration (test M.Ya. Yasinovsky);

- detection of tissue saturation with ascorbic acid (Rotter test);

- testing with bacterial allergens;

- stomatoscopy;

- luminescent diagnostics;

- determination of the potential difference in the oral cavity;

- cryotherapy for diseases of the mucous membrane;

- biopsy;

— physiotherapy for diseases of the mucous membrane;

— treatment of mucosal diseases using a helium-neon laser;

— carrying out methods of direct restoration.

— layer-by-layer restoration.

— restoration of the shape, color of teeth.

— determination of tooth color by colorimetric methods.

— to form in patients and their family members motivation aimed at maintaining and strengthening their health and the health of others.

STUDENT SHOULD BE ABLE TO:

- to conduct a survey of patients in order to diagnose caries, pulpitis, periodontitis, periodontal disease and oral mucosa, non-carious lesions of the teeth;

- determine the index of oral hygiene according to Fedorov- Volodkina , according to Green- Vermillion ;

- describe radiographs;

- determine the degree of tooth mobility (I, II, III);

- determine the type of plaque on the teeth, tartar, its color, consistency;

- determine the state of the anatomical areas of the gums (free and attached gums);

- determine the nature of gingivitis (acute, chronic, catarrhal, hypertrophic, atrophic, ulcerative);

- determine the depth of the pockets with a graduated probe;

- to determine the presence of subgingival tartar, discharge from pockets;

- determine the severity of gingival inflammation (mild, moderate, severe);

- conduct a Schiller-Pisarev test to clarify the boundaries of inflammation;

- determine the papillary-marginal-alveolar index (PMA);

- determine the periodontal index (PI);

- to determine the CPITN index - the index of the need for the treatment of periodontal diseases;

- take a smear for cytological, bacterioscopic, bacteriological examination of the contents of the pocket;

- perform palpation of regional lymph nodes of the facial skeleton, soft tissues of the face;

- perform palpation of the Valle points ;

- perform palpation of the oral mucosa;

- to determine the morphological elements of the lesion;

- probe deep ulcers, fistulas;

- take material for cytological examination (scrapings, prints);

- take material for direct microscopy for fungi, fusospirochetes ;

- determine the color of the teeth;

- carry out drying and vital staining of enamel in order to identify carious spots;

- prescribe and conduct training in rational oral hygiene;

- to carry out therapeutic measures for enamel remineralization in order to prevent and treat caries and non-carious lesions of the teeth;

- to carry out comprehensive measures for the prevention of caries;

- to carry out application, infiltration and conduction anesthesia for the purpose of painless treatment of affected hard tissues of the tooth and pulp;

- to choose and carry out a rational method of treating caries, pulpitis, periodontitis, non-carious lesions of the teeth, depending on the clinical manifestations and the state of the body as a whole;

- dissect carious cavities of I - VI classes of Black , atypically located cavities;

- carry out antiseptic treatment and drying of cavities in the hard tissues of the tooth;

- to carry out methods of non-invasive methods of caries treatment;

- conduct aesthetic teeth whitening;

- mixing materials for temporary and permanent fillings, root canal filling, therapeutic and insulating pads;

- apply therapeutic and insulating pads, temporary fillings and dressings, fillings from cements, amalgam, compomers and composite filling materials;

- seal intact fissures of teeth with sealants;

- grinding and polishing fillings;

- apply a paste for pulp devitalization ;

- remove temporary and permanent fillings;

- open the cavities of all anatomical groups of teeth, prepare the crowns of intact teeth;

—remove the pulp after devitalization from the root canal;

- to carry out instrumental, drug treatment of the root canal, its drying, determining the degree of its patency;

- seal root canals with pastes and sealants without using and using pins;

- remove fragments of instruments from the root canal;

- to carry out therapeutic measures in case of damage to the oral mucosa with arsenic salts;

- to carry out therapeutic manipulations in case of perforation of the bottom and walls of the carious cavity, pulp chamber, bi- and trifurcation ;

— to carry out therapeutic manipulations to eliminate complications associated with the treatment of caries and its complications;

- remove dental deposits: plaque, above - and subgingival tartar;

- polish teeth after removing dental deposits;

- to carry out applications of drugs on the marginal gum;

- wash pockets with a syringe, spray gun;

- introduce turundas with medicinal substances into pockets;

- dissect the periodontal pocket in the presence of an abscess;

- carry out curettage of pockets;

- prepare and apply medical dressings;

into the hypertrophied gingival papilla for the purpose of sclerosis ;

- perform a gingivectomy;

- splinting teeth in case of periodontal diseases (ligature binding, splints made of quick-hardening plastic and composites);

- inject medicinal substances into the transitional fold;

- eliminate local traumatic factors;

- inject drugs under the elements of the lesion;

- local treatment of lesions of the mucous membrane - removal of raids, necrotic tissues, washing, irrigation, applications;

—correctly draw up the ICSB and other medical documentation (referrals to other departments, etc.);

- Write prescriptions for medicines.

STUDENT SHOULD OWN:

- methods of preparation, mechanical and medical treatment and filling of carious cavities with modern materials;

- methods of modern remotherapy;

- methods of mechanical and drug treatment of root canals;

- methods of restoration of hard tissues of teeth;

- methods of treatment of periodontal diseases;

- methods of treatment of diseases of the mucous membrane of the oral cavity and lips;

- methods of treatment of non-carious lesions of hard dental tissues;

- methods of injection and non- injection local anesthesia;

- methods of treatment of pulpitis, apical periodontitis and caries;

- methods of professional oral hygiene;

fissure sealing techniques ;

- methods of elimination of discolorations of hard tissues of teeth.

To fulfill this provision The teacher sets himself the following tasks:

1. By his personal example, demeanor, appearance, technique of examination and communication with the patient - to demonstrate to the student the basic provisions that must be observed in communicating with the patient, the ability to get in touch with him.

2. Demonstrate in practice a sample of a consistent methodical examination of the patient, to the maximum extent possible to show the symptoms of a particular disease.

3. Actively involve students in conversations with patients, in individual stages and moments of patient examination (palpation, percussion, probing, identification of various symptoms) and thereby facilitate their first independent steps, help overcome the "barrier" in communicating with patients.

4. Analyzing the data obtained during the collection of anamnesis and objective data, give an example of clinical thinking at the patient's chair.

5. To involve students in primary preventive measures to reduce dental diseases, as well as in dental educational work (issuing health bulletins, brochures, writing lectures and talks on topical dental topics for patients).

6. The study of the disease of hard tissues of the tooth, pulp, periodontal, periodontal and oral mucosa is accompanied by a demonstration of patients, analysis of the anamnesis, etiology and course of the disease, the treatment of pathology is complex and local, focusing on modern aspects in the practice of treating a particular disease.

The practical orientation of the classes is realized by involving students in direct work with patients, which contributes to the fulfillment of the main task: to teach students not only to know, but also to be able to.

2. The place of discipline in the structure of the PEP VO Academy

2.1. Aesthetic dentistry is a professional cycle (elective discipline).

2.2. To study the discipline, knowledge, skills and abilities are necessary, formed by the previous disciplines:

2.2.1. Pathological anatomy.

Knowledge - Regeneration. form anomalies. Injuries.

Skills - to determine the parameters of the face in relation to the shape of the teeth in the norm and in various pathologies;

Skills - to distinguish various pathological processes from each other.

2.2.2. Pharmacology.

Knowledge - Antiseptics in the clinic of therapeutic dentistry.

Enzymes. Antibiotics. Antimicrobial and antiparasitic agents. Means that affect tissue metabolism. Antidotes and complexones.

Tranquilizers and sedatives. Narcotic and non-narcotic analgesics. Local anesthetic drugs.

Skills - the choice of the necessary drug depending on the pathology

Skills - write prescriptions for drugs.

2.3. And the study of the discipline is necessary for the knowledge, skills and abilities formed by subsequent disciplines/practices:

Department of Therapeutic Dentistry - graduating department.

3. The results of mastering the discipline and indicators of the achievement of competencies.

The study of the discipline is aimed at developing the following universal (UK), general professional (OPK) and professional (PC) competencies among students:

		The content of the	Code and name of	Ũ	of mastering	the discipline,
N⁰	Compete	competence (or its	competence (or its the competence the students should:			ould:
	nce code	part)	acquisition metric	know	Be able to	Own
1.	UC-1	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IET 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUK 1.2 Able to: gain new knowledge based on analysis, synthesis, etc.; collect data on complex scientific problems related to the professional field; search for information and solutions based on action, experiment and experience IUK 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an action strategy to solve professional problems	Principles and methods of search, analysis and synthesis of information.	Apply the principles and methods of searching, analyzing and synthesizing information ; Competently , logically, reasonably form their own judgments and assessments.	Practical skills of searching, analyzing and synthesizing information.
2.	PC-2	Able to recognize conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care, recognize conditions that pose a threat to the patient's life including conditions of clinical death (stopping vital functions of the human body (blood circulation and/or respiration), requiring the provision	IPC 2.1 Knows: Normative legal acts regulating the procedures for conducting preventive medical examinations and medical	pathological anatomy, clinic, differential diagnosis, methods of treatment and prevention of caries; pulpitis, periodontitis , periodontal diseases and oral mucosa; methods and means used in the	prescribe and conduct training in rational oral hygiene; carry out therapeutic measures for enamel remineralizat ion in order to prevent and treat caries and non-carious lesions of the teeth; carry out comprehensi	cavities; remotherapy techniques ; methods of mechanical and drug treatment of root canals; root canal filling

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of emergency medical	Forms and methods of	medical	ve measures	diseases;
care	sanitary and hygienic	examination,	for the	methods of
	education among	dispensary	prevention	treatment of
	patients (their legal	groups	of caries;	diseases of the
	representatives),	depending	determine	oral mucosa;
	medical workers	on the dental	the index of	methods of
	Features of specific	disease	oral hygiene	treatment of
	and non-specific		according to	non-carious
	prevention of dental		Fedorov-	lesions of hard
	diseases		Volodkina ,	dental tissues;
	The main hygienic		according to	methods of
	measures of a health-		Green-	injection and
	improving nature that		Vermillion ;	non- injection
	promote health and		determine	local
	prevent the occurrence		the type of	anesthesia;
	of dental diseases		plaque on	methods of
	Etiology, pathogenesis,		the teeth,	treatment of
	prevention of dental		tartar, its	pulpitis, apical
	diseases		color,	periodontitis
	Fundamentals of		consistency;	and caries;
	Preventive Medicine		carry out	methods of
	Stages of planning and		therapeutic	professional
	implementation of		manipulation	oral hygiene;
	community programs		s to	fissure sealing
	for the prevention of		eliminate	techniques .
	dental diseases		complication	
	IPC 2.2 Able to:		s associated	
	Conduct health and		with the	
	hygiene education		treatment of	
	among children and		caries and its	
	adults (their legal		complication	
	representatives) and		s; remove	
	medical workers in		dental	
	order to form a healthy		deposits:	
	lifestyle and prevent		plaque,	
	dental diseases		supra- and	
	Carry out health		subgingival	
	education among		tartar; polish	
	children and adults		teeth after	
	with dental diseases in		tartar	
	order to form a healthy		removal	
	lifestyle and prevent			
	dental diseases			
	To form in children			
	and adults (their legal			
	representatives)			
	behavior aimed at			
	maintaining and			
	improving the level of			
	somatic and dental			
	health			
	Develop and			
	implement healthy			
	lifestyle programs,			
	including programs to			
	reduce alcohol and			
	tobacco consumption,			
	prevent and combat the			
	non-medical use of			
	narcotic drugs and			
	psychotropic			
	substances			
1	Develop a plan of			

		preventive measures		
		and implement		
		methods of group and		
		individual prevention		
		of major dental		
		diseases		
		Conduct preventive		
		1		
		medical dental		
		examinations of the		
		population		
		Assign preventive		
		measures to patients,		
		taking into account risk		
		factors for the		
		prevention and early		
		detection of diseases,		
		including cancer		
		Conduct the selection		
		and prescription of		
		drugs and non-drug		
		methods for the		
		prevention of dental		
		diseases in children		
		and adults		
		Carry out dispensary		
		supervision of children		
		and adults with dental		
		diseases		
		IPC 2.3 Has practical		
		experience:		
		Promotion of a healthy		
		lifestyle and		
		prevention of dental		
		diseases		
		Carrying out health		
		education among		
		children and adults		
		with dental diseases		
		Formation in children		
		and adults (their legal		
		representatives) of		
		behavior aimed at		
		maintaining and		
		improving the level of		
		somatic health		
		Formation of healthy		
		lifestyle programs,		
		including programs to		
		reduce alcohol and		
		tobacco consumption,		
		prevent and combat the		
		non-medical use of		
		narcotic drugs and		
		psychotropic		
		substances		
		Development of a plan		
		of preventive measures		
		and the		
		implementation of		
		methods for group and		
		individual prevention		
		of dental diseases		
		Carrying out		
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			preventive medical			
			dental examinations of			
			the population, taking			
			into account age			
			Prescribing preventive			
			measures for children			
			and adults with dental			
			diseases, taking into			
			account risk factors,			
			oncological and			
			hygienic prevention in			
			accordance with the			
			procedures for			
			providing medical			
			care, clinical			
			recommendations,			
			taking into account the			
			standards of medical			
			care Selection and			
			Selection and			
			prescription of drugs			
			and non-drug methods for the prevention of			
			dental diseases in			
			children and adults			
			Conducting a			
			dispensary			
			examination of			
			children and adults			
			with dental diseases			
			Monitoring compliance			
			with dental preventive			
			measures			
3.	PC-6	Able to send a patient	IPC 6.1 Knows:	pathological	conduct	methods of
5.	100	to laboratory,	The methodology for	anatomy,	examination	treatment of
		instrumental	collecting complaints	clinic,	of patients in	periodontal
		examination, to a	and anamnesis from	differential	order to	diseases;
		consultation with	patients (their legal	diagnosis,	diagnose	methods of
		specialist doctors if		methods of	caries,	treatment of
		there are	Methods of physical	treatment	pulpitis,	diseases of the
		medical indications in	examination of patients	and	periodontitis	oral mucosa;
		accordance with the	(examination,	prevention	, non-carious	methods of
		current procedures for	palpation, percussion,	of caries;	lesions of	treatment of
		the provision of	auscultation).	classification	the teeth,	non-carious
		medical care, clinical	The procedure for	, etiology,	periodontal	lesions of hard
		recommendations	providing medical care	pathogenesis	diseases and	dental tissues;
		(treatment protocols)	to the adult population	,	oral mucosa,	methods of
		on	with dental diseases	pathological	take a smear	treatment of
		providing medical care	The procedure for	anatomy of	for	pulpitis, apical
		taking into account the	providing medical care	pulpitis;	cytological,	periodontitis
		standards of medical	to children with dental	clinic,	bacterioscop	and caries
		care, and also refer the	diseases	differential	ic ,	
		patient for providing	Clinical guidelines on	diagnostics,	bacteriologic	
		specialized medical	the provision of	methods of	al	
		care in an inpatient	medical care to	treatment of	examination	
		setting or in a day	patients with dental	inflammatio	of the	
		hospital if there are	diseases	n of the	contents of	
		medical indications in	Standards of Care	pulp;	the pocket;	
		accordance with the	IPK 6.2. Can:	classification	perform	
		current procedures for	interpret the results of	, etiology,	palpation of	
		the medical care	examination,	, etiology, pathogenesis	regional	
		-		•••		

(treatment protocols)	pathological and other	anatomy of	skeleton,	
on the medical care	studies, incl. diagnostic	periodontitis	soft tissues	
delivery taking into	studies using modern	;	of the face;	
account the standards	technical means and	classification	palpation of	
of medical care	digital technologies, in	, etiology,	the oral	
	order to recognize the state or establish the	pathogenesis	mucosa; determine	
	presence or absence of	, pathological	the	
	a dental disease,	anatomy of	morphologic	
	symptoms, syndromes	dental	al elements	
	of dental diseases, the	lesions of	of the lesion;	
	establishment of	non-carious	probe deep	
	nosological forms in	origin.	ulcers,	
	accordance with the	Clinic,	fistulas; take	
	International Statistical	differential	material for	
	Classification of	diagnosis,	cytological	
	Diseases and Related	methods of	examination	
	Health Problems, and	prevention	(scrapings,	
	other regulatory	and	prints);	
	documents of the	treatment of	take material	
	Ministry of Health of the Russian Federation	lesions of	for direct	
	(Procedure for the	hard tissues of the tooth	microscopy for fungi,	
	provision of medical	of the tooth of non-	for fungi, fusospiroche	
	care, Standard of	carious	tes;	
	medical care, Clinical	origin;	to carry out	
	recommendations on	clinic,	therapeutic	
	the provision of	differential	measures in	
	medical care, etc.)	diagnostics,	case of	
	Develop a plan for the	methods of	damage to	
	treatment of children	treatment of	the oral	
	and adults with dental	periodontal	mucosa with	
	diseases in accordance	inflammatio	arsenic salts;	
	with the procedures for	n; classification	local treatment of	
	the provision of medical care, clinical	, etiology,	lesions of	
	guidelines, taking into	, etiology, pathogenesis	the mucous	
	account the standards	1 0	membrane -	
	of medical care.	, pathological	removal of	
	IPC 6.3 Has practical	anatomy of	plaque,	
	experience:	diseases of	necrotic	
	interpretation of the	the oral	tissues,	
	results of examination,	mucosa.	washing,	
	laboratory,	Clinic,	irrigation,	
	instrumental,	differential	applications;	
	pathoanatomical and	diagnosis,	inject drugs	
	other studies, incl.	methods of	under the elements of	
	diagnostic studies using modern technical	prevention and	the lesion;	
	means and digital	treatment of	eliminate	
	technologies, in order	diseases of	local	
	to recognize the state	the oral	traumatic	
	or establish the	mucosa	factors	
	presence or absence of		determine	
	a dental disease,		the index of	
	symptoms, syndromes		oral hygiene	
	of dental diseases, the		according to	
	establishment of		Fedorov-	
	nosological forms in		Volodkina,	
	accordance with the		according to	
	International Statistical		Green-	
	Closefficition of		Vann:11:	
	Classification of Diseases and Related		Vermillion ; describe	

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			Health Problems, and		radiographs;	
			other regulatory		determine	
			documents of the		the degree of	
			Ministry of Health of		tooth	
			•			
			the Russian Federation		mobility (I,	
			(Procedure for the		II , III);	
			provision of medical			
			care, Standard of			
			medical care, Clinical			
			recommendations on			
			the provision of			
			medical care, etc.)			
			Development of a			
			treatment plan for			
			children and adults			
			with dental diseases,			
			taking into account the			
			diagnosis, age and			
1			clinical picture in			
1			accordance with the			
1						
1			current procedures for			
1			the provision of			
1			medical care, clinical			
1			recommendations,			
			taking into account the			
			standards of medical			
1						
	ļ		care			
4.	PC-7	Able to: make a	IPC 7.1 Knows:	clinic,	choose and	methods of
1		differential	Methods of drug and	differential	carry out a	treatment of
		diagnosis with other	non-drug treatment,	diagnostics,	rational	non-carious
		e	5			
		diseases/conditions	medical indications for	methods of	method of	lesions of hard
		including emergencies,	the use of medical	treatment of	treating	dental tissues;
		establish a diagnosis	devices for dental	inflammatio	caries,	methods of
		taking into account the	diseases	n of the	pulpitis,	preparation,
		current international	Groups of drugs used	pulp;	periodontitis	mechanical and
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		statistical	to provide medical care	periodontal,	, periodontal	drug treatment
		classification of	in the treatment of	periodontal	diseases,	and filling of
		diseases and	dental diseases; the	and diseases	oral mucosa,	carious
		related health problems	mechanism of their	of the oral	depending	cavities;
		(ICD)	action, medical	mucosa,	on the	methods of
		(ICD)				
			indications and	classification	clinical	treatment of
1			contraindications to the	, etiology,	manifestatio	pulpitis, apical
			appointment;	pathogenesis	ns and the	periodontitis
1			compatibility, possible		state of the	and caries,
1			complications, side	, pathological	body as a	methods of
1						
1			effects, adverse	anatomy.	whole; apply	professional
1			reactions, including	Methods of	paste for	hygiene,
			serious and unexpected	treatment,	pulp	removal of
1			Principles, techniques	indications,	devitalizatio	dental deposits,
1			and methods of	contraindicat	n;	methods of
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1			an anti- anti 1 of C	iono '		treatment of
1			anesthesia, selection of	ions to	open the	
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anesthesia (application, infiltration,determine the morphologic al elements					
infiltration, the morphologic and adults with dental al elements					
conduction) in childrenmorphologicand adults with dentalal elements					
and adults with dental al elements					
or the lesion;					
		uiseases		of the lesion;	

		Perform medical		probe deep	
		interventions,		ulcers,	
		including therapeutic		fistulas; take	
		ones, in children and		material for	
		adults with dental		cytological	
		diseases on an		examination	
		outpatient basis		(scrapings,	
		(excluding repeated		prints);	
		endodontic treatment):		take material	
		- individual training in		for direct	
		oral and dental		microscopy	
		hygiene, selection of		for fungi,	
		means and items for		fusospiroche	
		oral hygiene		tes;	
		- controlled brushing		to carry out	
		of teeth		therapeutic	
		- professional oral and		measures in	
		dental hygiene		case of	
		- injection of drugs in		damage to	
		the maxillofacial area		the oral	
		- local application of		mucosa with	
		remineralizing		arsenic salts;	
		preparations in the area of the tooth		local	
		- deep fluoridation of		treatment of lesions of	
		tooth enamel		the mucous	
		- sealing the fissure of		membrane -	
		the tooth with a sealant		removal of	
		- professional teeth		plaque,	
		whitening		necrotic	
		- grinding of hard		tissues,	
		tissues of the tooth		washing,	
		- restoration of a tooth		irrigation,	
		with a filling using		applications;	
		dental cements,		inject drugs	
		chemical curing		under the	
		materials,		elements of	
		photopolymers		the lesion;	
		- restoration of teeth		eliminate	
		with a violation of the		local	
		contact point		traumatic	
		- tooth restoration with		factors	
		filling material using			
		anchor pins			
		- application of			
		devitalizing paste			
		- pulpotomy			
		(amputation of the			
		coronal pulp)			
		- pulp extirpation			
		- instrumental and			
		medical treatment of a			
		well-passable root			
		canal			
		- temporary filling of the root canal with a			
		drug			
		- filling the root canal			
		of the tooth with paste,			
		gutta-percha pins			
		- removal of			
		supragingival and			
		subgingival plaque in			
L	I	Prinding up	1	1	1

	1/
the tooth area (manual	
method)	
- ultrasonic removal of	
supragingival and	
subgingival 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 drug	
therapy for diseases of	
the oral cavity and	
teeth	
- appointment of	
dietary therapy for	
diseases of the oral	
cavity and teeth	
Perform medical	
interventions,	
including surgical	
ones, in children and	
adults with dental	
outpatient basis	
(excluding the	
extraction of impacted	
and dystopic teeth):	
- removal of a tooth	
- removal of a	
temporary tooth	
- permanent tooth	
extraction	
- opening and drainage	
of odontogenic abscess	
Carry out phased	
sanitation of the oral	
cavity (excluding	
sanitation of the oral	
cavity in children	
under anesthesia)	
Perform medical	
interventions,	
including orthopedic,	
in adults with dental	
diseases on an	
-	
(excluding prosthetics	
on dental implants,	
technologies for	
automated production	
of orthopedic	
structures, complete	
removable lamellar	
and clasp dentures):	
- obtaining anatomical	
and functional	
impressions	
- restoration of a tooth	

5.	PC-12	Able to prepare the necessary medical documentation for the implementation of medical and social expertise in federal state institutions of medical and social expertise and refer a patient with a persistent impairment of body functions caused by diseases, the consequences of injuries or defects to medical and social expertise	Fundamentals of evidence-based medicine; the main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information; basic principles of medical research IPC 12.2 Can: Search for medical information based on evidence-based medicine; interpret the data of scientific publications; critically evaluate modern methods of diagnosis, prevention and treatment of diseases from the perspective of evidence-based medicine; justify your choice of methods for diagnosing, preventing	Scientific literature, educational and methodical publications, scientific journals and collections of works. Methods of medical statistics.	Analyze scientific literature and statistical reviews, conduct statistical analysis, present the resulting statistics, and interpret them.	Methods of medical statistics, determination of the Student's criterion, non- parametric methods, comparison of independent and dependent groups, methods for describing qualitative features.
			evidence-based medicine; justify your choice of methods for			

r				
		information, the results		
		of scientific research		
		IPC 12.3 Has practical		
		experience:		
		Development of		
		algorithms for		
		examination and		
		treatment of adults and		
		children with dental		
		diseases in accordance		
		with the principles of		
		evidence-based		
		medicine;		
		search and		
		interpretation of		
		medical information		
		based on evidence-		
		based medicine;		
		public presentation of		
		medical information		
		based on evidence-		
		based medicine;		
		partial participation in		
		scientific research		
· · · ·	1	1		

4. Sections of discipline and competence that are formed during their study:

No	Compete	Section name	The content of the section in teaching
JNG	nce code	of the discipline	units
		Prevention of caries; non-	Etiology, pathogenesis, pathological
		carious lesions of hard	anatomy, clinic, diagnostics,
	UC-1	tissues of teeth,	differential diagnostics, methods of
1.		periodontal diseases and	caries treatment and prevention;
		oral mucosa.	pulpitis, periodontitis, non-carious
			lesions of hard dental tissues,
			periodontal diseases and oral mucosa
		Diagnosis of caries;	Etiology, pathogenesis, pathological
		pulpitis, periodontitis,	anatomy, clinic, diagnostics,
		non-carious lesions of hard	differential diagnostics, methods of
2.	PC-2,	dental tissues, periodontal	caries treatment and prevention;
		diseases and oral mucosa.	pulpitis, periodontitis, non-carious
			lesions of hard dental tissues,
			periodontal diseases and oral mucosa
		Methods of treatment of	Etiology, pathogenesis, pathological
	PC-2,	diseases of hard tissues of	anatomy, clinic, diagnostics,
	PC-6,	teeth in patients of	differential diagnostics, methods of
3.	PC-7	different ages	caries treatment and prevention;
			pulpitis, periodontitis, non-carious
			lesions of hard dental tissues.
			Diagnosis of emergency conditions.
4.	PC-12	Treatment of periodontal	Etiology, pathogenesis, pathological
7.		diseases in patients of	anatomy, clinic, diagnostics,

		different ages	differential diagnostics, methods of
			treatment and prevention of periodontal
			diseases
		Treatment of typical	Etiology, pathogenesis, pathological
	PC-12	diseases of the oral	anatomy, clinic, diagnostics,
5.		mucosa in patients of	differential diagnostics, methods of
		different ages	treatment and prevention of diseases of
			the mucous membranes and lips

5. Volume of discipline and types of educational work

The distribution of the labor intensity of the discipline and types of educational work by semesters:

Type of educational work	Labor i	ntensity				
	volume	volume	Labor intens		sity (AH)	
	in credit	in	in semesters			
	units	academic	6	7	10	
	(CU)	hours				
		(AH)				
classroom work, including	2	72		72		
Lectures (L)		8		8		
Laboratory workshops (LP)						
Practical exercises (PE)						
Clinical Practice (CP)		36		36		
Seminars (S)						
Student Independent Work (SIW)		28		28		
Intermediate certification						
test/exam (specify type)	offset					
TOTAL	2	72		72		

6. The content of the discipline

6.1. Sections of the discipline and types of classes:

N⁰	semes	Name of the			/ 1			ork (in	ACH)	Evaluation
	ter	section of the								tools
	numb	academic								
	er	discipline			-					
			L	LP	PE	CP	S	SI	Total	
								W		
1	7	Aesthetic restoration: terminology, concepts.	1			4.5			3.5	Current testing. Testing practical skills. Writing a fragment of the medical

			r –	1				
								history.
2	7	Types and methods of restoration.	1		4.5		3.5	Current testing. Oral individual survey. Writing a fragment of the case history.
3	7	Direct method of restoration: materials.	1		4.5		3.5	Current testing. Oral individual survey. Abstract. Solution of situational problems.
4	7	Aesthetic smile parameters during restoration.	1		4.5		3.5	Current testing. Oral individual survey. Abstract.
5	7	Adhesive systems: properties, generations.	1		4.5		3.5	Current testing. Oral individual survey. Written test work. Writing a fragment of the medical history.
6	7	Restoration polishing agents.	1		4.5		3.5	
7	7	Periodontal diseases in the aesthetic aspect	1		4.5		3.5	
8	7	Aesthetic restoration: terminology, concepts.	1		4.5		3.5	
	10	offset					•	
		TOTAL	8		36		28	

L-lectures

LP - laboratory workshop

PE - practical exercises

CP - clinical practice

S - seminars

IWS - independent work of the student

6.2. Thematic plan of lectures using DOT and EOS:

<u>№N∘</u> p/n	Lecture Topics	Semester 6	Semester 7	Semester 10
1.	Methods of examination of patients with periodontal diseases. Criteria for assessing the condition of the periodontium - hygienic and periodontal indices, basic and additional research methods. Classification of periodontal diseases. Gingival fluid, quantitative and qualitative changes in its composition in periodontal pathology.		1	
2.	Prevention of periodontal diseases. Motivation of patients for the treatment and prevention of periodontal diseases. Methods and means. The value of oral hygiene in the prevention and treatment of periodontal diseases. Organization of medical and preventive care for patients with periodontal pathology. Clinical examination of patients with periodontal diseases. Forecast.		1	
3.	Periodontitis: acute, chronic, exacerbation of chronic, remission stage, localized, generalized . Etiology, pathogenesis, pathomorphology , pathological anatomy, pathological histology. Clinic of periodontitis, diagnostics, differential diagnostics. Principles of complex individualized, etiopathogenetic treatment.		1	
4.	Modern methods of treatment of periodontitis: local and general. Therapeutic, surgical and orthopedic etiopathogenetic methods of treatment.		1	
5.	Modern methods of treatment aimed at preserving the dentoalveolar system and the tooth as a fully functioning system and each organ separately. Forecast.		1	
6.	Periodontitis. Clinic, diagnosis, differential diagnosis of periodontal disease, modern methods of treatment: local and general, depending on the severity and stage of periodontal disease. Forecast.		1	
7.	Idiopathic periodontal disease. Clinic, diagnostics,		1	

	differential diagnostics, modern methods of treatment: local and general, depending on the severity of periodontal disease.			
8.	Mistakes and complications arising in the treatment of periodontal diseases. Methods for their prevention and elimination. Forecast.		1	
total			8	

6.3. Distribution of laboratory workshops by semesters: not provided by the Federal State Educational Standard .

6.4 Distribution of practical training topics by semester: not provided by the Federal State Educational Standard .

6.5. Distribution of topics of clinical practical classes by semesters using DOT and EOS:

p /	Name of topics of clinical practical classes	Volume in AH		
no.				
		Semester	Semester	Semester
		6	7	10
1	Aesthetic restoration: terminology, concepts.			
			4.5	
2	Types and methods of restoration.			
			4.5	
3	Direct method of restoration: materials.			
			4.5	
4	Aesthetic smile parameters during restoration.		4.5	
5	Adhesive systems: properties, generations.		4.5	
6	Restoration polishing agents.		4.5	
7	Periodontal diseases in the aesthetic aspect		4.5	
8	Aesthetic restoration: terminology, concepts.		4.5	
	offset		offset	
	Total (total - 36 Ah)		36	

6.6 Distribution of seminar topics by semester: not provided by the Federal State Educational Standard .

6.7 Distribution of student independent work (SIW) by types and semesters with the use of DOT and EOS:

p/	For naming the type of CPC*	Volume in Ah		
No.				
		Semester	Semester	Semester
		6	7	10
	Preparation for clinical practical classes, homework, preparation for current control		5.6	
	Working with lecture material		5.6	

Working with electronic resources on the distance education portal "PIMU"	5.6
The study of material submitted for independent study (separate topics, paragraphs), work with literary sources	5.6
Preparing for testing	5.6
Total	28

6. Evaluation funds fund for current control and intermediate certification

7.1. Forms of current control and intermediate certification*, types of evaluation tools:

No.	semes				Evaluation	tools
,	ter	Forms of	Name of the discipline		Number of	Number of
p /	numb	control	section	Kinds	questions	independent
р	er				in the task	options
one	2	3	4	5	6	7
1	10	offset	Aesthetics in dentistry	Tests,	3	50
				clinical		
				situatio		
				nal		
				tasks		

* forms of current control: control of the student's independent work, control of the development of the topic; forms of intermediate certification: test, exam

The current control over the discipline is carried out using control questions, situational tasks, as well as test tasks.

Example:

1. Cement caries. Clinic, diagnostics, differential diagnostics, modern methods of treatment, choice of treatment method.

2. Mistakes and complications in the diagnosis and treatment of dental caries. Methods for their prevention and elimination.

3. Principles and stages of preparation of carious cavities.

4. Features of preparation and filling of carious cavities of 1, 2, 3, 4, 5, 6 Black classes .

5. Pulp of the tooth. Histological structure, innervation, blood supply, main functions.

Situational task in therapeutic dentistry No. 1

Patient V., 48 years old, complains of an aesthetic defect in the area of 1.1,2.1 and pain from cold and sour in the area of these teeth. To avoid pain , the patient refuses fruits and juices.

Objectively: in the cervical region of teeth 1.1, 2.1 cup-shaped defects with smooth surfaces, the bottom is dense. In areas 1.2, 1.3, 2.2, 2.3, 3.3, 4.3, against the background of cup -shaped depressions, there are pigmented areas in which softening is noted during probing.

- 1. Make a diagnosis and conduct a differential diagnosis.
- 2. Your medical tactics.
- 3. Name the possible causes of this pathology.
- 4. What modern filling materials would you prefer?

5. What methods will you use to motivate the patient to carry out the restoration method?

Test tasks:

1. WHAT TYPE OF AESTHETIC TREATMENT IS CARRIED OUT FOR THIS DAMAGE TO THE HARD TISSUES OF THE TOOTH



1) preparation followed by filling

- 2) enamel microorganism
- 3) remotherapy
- 4) veneer making
- 5) orthopedic treatment

2. TACTICS OF MANAGEMENT OF A PATIENT WITH THIS PATHOLOGY



- 1) removal of a tooth
- 2) orthopedic treatment
- 3) endodontic treatment followed by whitening
- 4) veneer making
- 5) endodontic treatment
- 3. SYNODENTIA is
- 1) fusion of central incisors
- 2) fusion of central and lateral incisors
- 3) fusion of central incisor and supernumerary
- 4) fusion of lateral incisor and canine
- 5) fusion of lateral incisor and supernumerary

Boundary control in the discipline is carried out by conducting a test using tasks and test tasks.

Example:

Situational task in therapeutic dentistry No. 1

Patient K, 37 years old, went to the dentist with complaints of an aesthetic defect (gum enlargement), prolonged pain in the area of the teeth of the upper and lower jaws on the left. The pain started about a week ago. He considers himself practically healthy, smokes, took sulfonamides for a cold for 3 weeks.

Objectively : there is a significant growth of the gums up to $\frac{1}{2}$ of the height of the crown of the teeth. The gingival papillae are pale pink in color, tightly adjacent to the surface of the teeth, do not bleed. Dental attachment is not broken. Tooth 2.5 is a filling in the MOD cavity, percussion is painless, tooth 2.7 has a deep carious cavity on the medio-occlusal surfaces, widely communicating with the tooth cavity, deep probing is painful, percussion is painless. Tooth 3.8 - a filling on the occlusal surface, a carious cavity on the medial surface, percussion is slightly painful, EOD = 45 μ A. Tooth 3.7 is covered with an artificial crown, which is the support of the bridge. Percussion 3.7 is painless. On the radiograph - 3.7, the root canals are unevenly sealed, not reaching the physiological tops, in the periapical region - a focus of bone tissue rarefaction with fuzzy contours. Tooth 3.5 percussion is painless on the radiograph - the root canal is tightly obturated to the apex,





- 1. your diagnosis ? Justify the answer.
- 2. What methods of examination can you offer to clarify the diagnosis.
- 3. Perform differential diagnostics .
- 4. Treat this disease.

An example of test tasks:

- 1. WHAT COMPLICATION OCCURS WITH IRRATIONAL FILLING OF APPROXIMAL CAVITIES
- 1) secondary caries
- 2) inflammation and necrosis of the pulp
- 3) papillitis
- 4) localized periodontitis
- 5) filling falling out
- 6) discoloration of the crown of the tooth

2. GROUP IS FILTEKSUPREME nanofilled

3. WITH CARIES IN THE WHITE SPOT STAGE, THE STABILIZATION OF THE PROCESS IS CHARACTERIZED BY THE COLOR OF THE SPOT

- 1) brown
- 2) black
- 3) white
- 4) yellow
- 5) pearl white
- 6) irrelevant

4. THE LESION IN CARIES HAS NO SHAPE

- 1) cones
- 2) square
- 3) oval
- 4) trapeze
- 5) rectangle

Intermediate control in the form of an exam (after the 4th year) in the discipline is carried out in the form of an interview on tickets (using clinical situational tasks, tests).

Example:

EXAMINATION TICKET No. 1

- 1. Fluorine, its role in the prevention of dental caries. Mechanism of anticarious action of fluorine. Mechanism of toxic action of fluorine.
- 2. Complications in the treatment of pulpitis, their prevention and elimination.
- 3. Catarrhal gingivitis of mild severity. Etiology, pathogenesis, clinic, modern methods of treatment.

Situational task in therapeutic dentistry No. 1

Patient K., 22 years old, came to the dentist with complaints of white spots of various shapes on the vestibular surface of the central incisors and cusps of the first molars on the upper and lower jaws. The patient does not complain about the presence of any unpleasant sensations, the enamel in the area of the spots is smooth and shiny. The patient is concerned about the aesthetic appearance of her teeth.

From the anamnesis: in the 1st year of life, patient K. repeatedly suffered from severe pneumonia. Spots on the teeth appeared along with the eruption of these teeth. During the life of the spots did not change their size, shape and color.

- 1. Make a preliminary diagnosis and conduct a differential diagnosis.
- 2. Make a survey plan.
- 3. Offer a comprehensive treatment and prevention plan.

The final control is carried out at the end of the training, students pass the final state certification in the form of state final exams after the 5th year in 3 stages: certification of practical skills, test tasks, interviews on clinical situational tasks.

7.2. Examples of evaluation tools:

1. EXAMINATION TICKET (example)

- 1. Contact point. Aesthetic views. Indications and recovery technique. Types of matrices and matrix systems, application technique.
- 2. Complications at the stage of passage of the root canal in the treatment of pulpitis, their prevention and elimination.
- 3. Fluorine, its role in the prevention of dental caries. Mechanisms of anticarious action of fluorides.

2. Situational task (example)

Patient K., 22 years old, came to the dentist with a complaint of white spots of various shapes on the vestibular surface of teeth 12,11,21,22,31,32,41,42. The spots are not accompanied by any discomfort.

From the anamnesis: in the 1st year of life, patient K. suffered from severe pneumonia. The spots on the teeth appeared along with the eruption of the named teeth; during the life, the size, shape and color of the spots did not change.

- 1. Make a preliminary diagnosis. Perform differential diagnosis.
- 2. Plan your survey.
- 3. Make a comprehensive plan for the treatment and prevention of this disease.

6.2. Evaluation tools recommended for inclusion in the fund of evaluation tools for the final state certification.

Clinical situational tasks illustrated with photographs and radiographs with a list of questions on the topic. Test tasks. Conducting an exam in manual skills using modern dental materials and tools.

Example:

1. The method of public health services, including the necessary complex of wellness social and hygienic measures are

- 1) medical examination
- 2) sanitation of the oral cavity

3) prevention

- 2. THE POSSIBILITY OF LEBE MEASURES IN PERIODONTITIS
- 1) laser therapy, removal of dental deposits, elimination of traumatic factors, surgical intervention

- 2) removal of dental deposits, elimination of traumatic factors, surgical intervention, laser therapy
- 3) removal of dental deposits, laser therapy, elimination of traumatic factors, surgical intervention
- 4) removal of dental deposits, elimination of traumatic factors, laser therapy, surgical intervention
- 5) elimination of traumatic factors, laser therapy, surgical intervention

8. Educational, methodological and information support of the discipline (printed, electronic publications, Internet and other network resources).

8.1. List of basic literature*:

No.	Name according to bibliographic requirements	Number of copies		
		At the department	In library	
1	Therapeutic dentistry. Part 2: Periodontal disease: a textbook for universities 2 / Barer G. M.; Publisher: GEOTAR-Media, 2008	1	33	
2	Therapeutic dentistry. Guide to practical exercises: study guide / Maksimovsky Yu. M.; Publisher: GEOTAR-Media, 2011	1	102	
3	Therapeutic dentistry: a textbook for students. honey. universities / Borovsky E.V. Publisher: Medical News Agency, 2011	1	54	
4	Dentistry of the XXI century : topical aspects : compilation scientific works With international participation , dedicated to the 20th anniversary departments therapeutic and orthopedic dentistry / Lukinykh L . M .; Ed . Nizhny State Medical Academy , 2012	1	6	
5	Recovery teeth light-cured composite materials : practical management for doctors dentists - therapistsAuthor : Makeeva I . M .; Publisher : MEDpress - inform , 2013	1	30	

8.2. List of additional literature:

No.	Name according to bibliographic requirements	Number of copies	
		At the department	In library
1	Modern filling materials and medicinal drugs in therapeutic dentistry : practical management / Dmitrieva L . A .; Ed .: Medical informational agency , 2011	1	1
2	Phantom course of therapeutic Phantom course of therapeutic dentistry / Nikolaev AI; Publisher: MEDpress-inform, 2009	1	96

3	Recovery teeth light-cured composite materials : practical management for doctors dentists - therapists / Makeeva I . M .; Publisher : MEDpress - inform , 2011	1	1
4	Mistakes in endodontic treatment and ways to prevent them: a teaching aid / Murzova T.V .; Publisher: NizhGMA , 2010	1	35
5	Apical periodontitis: textbook / Lukinykh L. M.; Ed. Nizhny State Medical Academy, 2010	1	54
6	Therapeutic dentistry: a textbook for students. honey. Universities / Borovsky E.V.; Publisher: Medical Information Agency, 2011	1	54
8	Dentistry. Recording and maintaining a medical history: a guide / Afanasiev V.V.; Publisher: GEOTAR-Media, 2013	1	50
9	Restoration of teeth with light- cured composite materials: a practical guide for the doctor / Makeeva I.M.; Publisher: MEDpress-inform , 2013	1	30
10	Treatment of periodontal diseases: textbook / Zhulev E. N.; Publisher: NizhGMA, 2016	6	1

8. 3. List of guidelines for classroom and independent work of students:

N⁰	Name according to bibliographic requirements	Number	of copies
		At the	In library
		departmen	-
		t	
1	Pulpitis. Etiology. Pathogenesis. Diagnostics. Treatment / N.N.	1	1
	Bondarenko, L.M. Lukinykh Nizhny Novgorod: Publishing		
	house of NizhGMA, 2014 190p.		
2	Algorithm aesthetic restoration front and lateral teeth :	1	1
	monograph / L . A . Lobovkina A M . Romanov - M . :		
	MEDpress - inform, 2008 R / W		
3	Scheme surveys and writing medical cards dental patient (1	1
	methodical instructions) / Kondyurova E . V ., Uspenskaya Oh		
	. A . // Saransk : Publishing House _ Mordovs . un - ta , 2015		
	72 p .		
4	.Reading radiographs of teeth and jaws at various age periods	1	1
	in normal and pathological conditions / L.M. Lukinykh, O.A.		
	Assumption N.Novgorod : 5th edition, Publishing House of		

	NizhGMA, 201544s.		
5	Irrigation of the root canal system / ed. L.M. Lukinykh . , 2nd edition - Nizhny Novgorod: NizhGMA Publishing House , 2015 36p.	1	1
6	Obturation of the root canal system / ed. L.M. Lukinykh Nizhny Novgorod: Publishing house of NizhGMA , 2015 60s.	1	1
7	Apical periodontitis / Lukinykh L.M., Egorova L.I., Tiunova N.V., Zhdanova M.L. // Tutorial. Publishing house NGMA. Nizhny Novgorod, 2016 174p.	1	1
8	Caries teeth : educational allowance / Yu . M . Maksimovsky - M . : GEOTAR - Media , 2009 Ab / scientific	1	1
9	Gutova , Yu . C . Influence postbonding on the quality restorations at operational and recovery treatment solid fabrics tooth With using compositional filling materials : autoref . dis cand . honey . Sciences : 14.00.21 / Yu . C . Gutov M : B . and ., 2008 26 p .	1	1
10	Chagay A A . Clinico - experimental justification choice methods restoration teeth at treatment uncomplicated caries : autoref . dis cand . honey . Sciences : 14.00.21 / A. A . Chagay Yekaterinburg : B . and ., 2007.	1	1

Educational and methodological materials published by the staff of the Department of Therapeutic Dentistry and used by both teachers and students:

No. \	Teaching aid, monograph	The authors	Edition
No. p /			
р			
1.	Catarrhal gingivitis. Etiology, clinic, treatment. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI 1992 24s.
2.	Reading radiographs of teeth and jaws. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI 1992 27s.
3.	Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI 199228s.
4.	Periodontal disease (guidelines for students). Part 1	L.M. Lukinykh	Nizhny Novgorod, NGMA 199343s.
5.	Periodontal disease (guidelines for students). Part 2	L.M. Lukinykh	Nizhny Novgorod, NGMA 199346s.

6	Discourse of the second	T N T 1' 11	NT-11
6.	Diseases of the oral mucosa mouth. (Tutorial)	L.M. Lukinykh SI. Gazhva L.N. Kazarina	Nizhegorod Publishing House . state medical academy
		Yu.N. Livshits	, 1993211s.
		MM. Poleshchuk	
		L.V. Shestopalova L.I. Krasulova and	
		others.	
7.	Guidelines for industrial practice for	L.M. Lukinykh	Nizhny Novgorod,
	students of the Faculty of Dentistry on the prevention of dental diseases.	S.I. Gazhva	NGMA 199416p .
8.	Guidelines for students of the Faculty of	L.M. Lukinykh	Nizhny Novgorod,
	Dentistry on the production practice of pediatric dentistry.	L.N. Kazarina	NGMA 199418s.
9.	Guidelines for students of the Faculty of	L.M. Lukinykh	Nizhny Novgorod,
	Dentistry for practical work in therapeutic dentistry.	L.N. Kazarina	NSMA 1995 31s.
10.	Organization of therapeutic dental care in the armed forces in peacetime and wartime.	L.M. Lukinykh	Nizhny Novgorod, NGMA 1996 24s.
11.	Dental caries.	L.M. Lukinykh	Nizhegorod
		S.I. Gazhva	Publishing House .
		L.N. Kazarina	state medical academy, 1996128s.
12.	Guidelines for students of the Faculty of	L.M. Lukinykh	Nizhny Novgorod,
	Dentistry to	L.N. Kazarina	NSMA 1997
	industrial practice in therapeutic dentistry and clinical examination		34s.
13.	Treatment and prevention of dental caries.	L.M. Lukinykh	Nizhegorod
	(Tutorial)		Publishing House .
			state medical academy, 1998168 p.
14.	Guidelines for foreign students of the	L.M. Lukinykh	Nizhegorod
	Faculty of Dentistry to work practice in		Publishing House .
	therapeutic dentistry.		state medical academy , 199832 p.
15.	Guidelines for students of the 2nd year of	L.M. Lukinykh	Nizhegorod
	the Faculty of Dentistry to the industrial	Yu.N. Livshits	Publishing House .
	practice "Nurse of a Dental Institution".	N.N. Shakerova	state medical academy
16.	Dental caries (etiology, clinic, treatment,	S.R. Sorokin L.M. Lukinykh	, 199810 p. N. Novgorod: 2nd
10.	prevention).	, 200011 KII	edition, Nizhegorod
			Publishing House .
			state medical academy , 1999185 p.
17.	Non-surgical treatment of periradicular	L.M. Lukinykh	Library of the
	jaw cyst.	G.D. Ovrutsky	practical doctorM.:
	Monograph	Yu.N. Livshits	Medicine 1999

		118s.
Apical periodontitis. (Tutorial)	L.M. Lukinykh Yu.N. Livshits	Nizhegorod Publishing House . state Medical Academy , 1999 92.S.
Pulpitis (Clinic, diagnosis, treatment).	L.M. Lukinykh L.V. Shestopalova	Nizhegorod Publishing House . state medical academy , 199988s.
Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students of the Faculty of Dentistry)	L.M. Lukinykh I.I. Parshin	Nizhegorod Publishing House . state medical academy , 199944 p.
Diseases of the oral mucosa.	L.M. Lukinykh L.N. Kazarina S.I. GazhvaL.V.Shestopal ovaYu.N.Livshits	Nizhegorod Publishing House . state medical academy , 2000 S. 57-160.
Dental caries (etiology, clinic, treatment, prevention).	L.M. Lukinykh	N. Novgorod: 3rd edition, Nizhegorod Publishing House . state medical academy , 2001185 p.
Pulpitis (Clinic, diagnosis, treatment).	L.M. Lukinykh L.V. Shestopalova	N. Novgorod: 2nd edition, Nizhegorod Publishing House . state medical academy , 200288s.
Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students)	L.M. Lukinykh I.I. Parshin	Nizhny Novgorod: 2nd edition, Nizhny Novgorod Publishing House . state medical academy , 200344s.
	Pulpitis (Clinic, diagnosis, treatment). Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students of the Faculty of Dentistry) Diseases of the oral mucosa. Dental caries (etiology, clinic, treatment, prevention). Pulpitis (Clinic, diagnosis, treatment). Scheme of clinical examination of the patient and writing an academic medical	Pulpitis (Clinic, diagnosis, treatment).L.M. Lukinykh L.V. ShestopalovaScheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students of the Faculty of Dentistry)L.M. Lukinykh I.I. ParshinDiseases of the oral mucosa.L.M. Lukinykh L.N. Kazarina S.I. GazhvaL.V.Shestopal ovaYu.N.LivshitsDental caries (etiology, clinic, treatment, prevention).L.M. Lukinykh L.M. Lukinykh L.V. Shestopal ovaYu.N.LivshitsPulpitis (Clinic, diagnosis, treatment).L.M. Lukinykh L.V. ShestopalovaScheme of clinical examination of the patient and writing an academic medicalL.M. Lukinykh L.Parshin

25.	Physiotherapy in the practice of therapeutic	L.M. Lukinykh	Nizhny Novgorod,
	dentistry.	O.A. Uspenskaya	NGMA 200336s.
26.	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod, NGMA 200340s.
27.	Guidelines for work practice in therapeutic pediatric dentistry for students of the Faculty of Dentistry.	L.M. Lukinykh L.N. Kazarina S.Yu. Kosyuga I.N. Chuprunova MM. Ratsyuk	Nizhny Novgorod, NGMA 2003 38s.
28.	Prevention of dental caries and diseases periodontal. <i>Monograph</i>	L.M. Lukinykh	M.: Medical book, 2003196s.

29.	Dental caries. Etiology, clinic, treatment, prevention.	L.M. Lukinykh	N. Novgorod: 4th edition, Nizhegorod Publishing House . state medical academy , 2004186s.
30.	Guidelines for students of the 2nd year of the Faculty of Dentistry to the production practice "Assistant Nurse of a Dental Institution".	L.M. Lukinykh E.V. Kitaeva	Nizhny Novgorod, NGMA 200426s.
31.	Guidelines for students of the 3rd year of the Faculty of Dentistry to work practice in therapeutic dentistry.	L.M. Lukinykh E.V. Kitaeva	Nizhny Novgorod, NGMA 2004 40 p.
32.	Diseases of the mucous membrane of the oral cavity and lips in children.	/ Ed. L.N. Kazarina	Nizhny Novgorod, NGMA 2004 p. 264.
33.	Apical periodontitis. (Tutorial)	L.M. Lukinykh Yu.N. Livshits	N. Novgorod: 2nd edition, Nizhegorod Publishing House . state Medical Academy , 2004 92.S.
34.	Pulpitis (Clinic, diagnosis, treatment). (Tutorial)	L.M. Lukinykh L.V. Shestopalova	N. Novgorod: 3rd edition, Nizhegorod Publishing House . state medical academy , 200488C.
35.	Dentist and patient: rights, obligations, a responsibility. <i>Monograph</i>	N.N. Bondarenko	M.: Medical book, 2004 96 p.
36.	Diseases of the oral cavity.	/ Ed. L.M. Lukinykh	Nizhny Novgorod Publishing House . state medical academy , 2004510s.
37.	Civil-legal bases of medical activity. Guidelines	N.N. Bondarenko	Nizhny Novgorod Publishing House . state medical academy , 200548 p.
38.	Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students)	L.M. Lukinykh I.I. Parshin	Nizhny Novgorod: 3rd edition, Nizhny Novgorod Publishing House . state medical academy , 200544s.

39.	Physiotherapy in the practice of therapeutic	L.M. Lukinykh	Nizhny Novgorod:
	dentistry.	O.A. Uspenskaya	2nd edition, NGMA
			200536s.
40.	Reading radiographs of teeth and jaws at	L.M. Lukinykh	Nizhny Novgorod:
	various age periods in normal and	O.A. Uspenskaya	2nd edition, NGMA
	pathological conditions.		200540s.

41.	Deriodontal diagona (alinia diagnosia	I M I planylch	Nizhny Novgorod
41.	Periodontal disease (clinic, diagnosis, treatment and prevention).	L.M. Lukinykh E.N. Zhulev I.N. Chuprunova	Nizhny Novgorod Publishing House . state medical academy , 2005322s.
42.	Legal literacy of dentists. Monograph	A.V. Demina G.A. Pashinyan L.M. Lukinykh	Moscow, Medical Book Publishing House, 2005160p.
43.	Forensic stomatological identification of a person (state and development prospects). <i>Monograph</i>	G.A. Pashinyan L.M. Lukinykh G.N. Karpov	Moscow, Medical Book Publishing House, 2005157p.
44.	Dental diseases during pregnancy and their prevention. <i>Monograph</i>	CM. Tolmacheva L.M. Lukinykh	Moscow, Medical Book Publishing House, 2005150p.
45.	Dental complications that developed after radiation and chemoradiotherapy (Clinical course, treatment and prevention of candidiasis that developed against the background of mucositis). <i>Monograph</i>	L.I. Egorova L.M. Lukinykh	Moscow, Medical Book Publishing House, 2006155p.
46.	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 3rd edition, NGMA 200636s.
47.	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 2nd edition, NGMA 200640s.
48.	Establishing the age and gender of a person by the degree of tooth wear, taking into account the presence of a number of pathological conditions and harmful working conditions. <i>Monograph</i>	G.A. Pashinyan L.M. Lukinykh A.A. Plishkin	Moscow, Medical Book Publishing House, 2007104 p.
49.	Dryness in the mouth. Classification, differential diagnosis, treatment	O.A. Uspenskaya A.A. Plishkin N.V. Kazarina E.A. Shevchenko	Nizhny Novgorod: NizhGMA Publishing House , 2007 31 p.
50.	Urogenital candidiasis and bacterial vaginosis.	E.A. Shevchenko A.A. Artifeksova O.A. Uspenskaya	Nizhny Novgorod: NizhGMA Publishing House , 200727 p.
51.	Dentistry for pregnant women.	O.A. Uspenskaya E.A. Shevchenko N.V. Kazarina	Nizhny Novgorod: NizhGMA Publishing House , 2008 24 p.
52.	Clinical and expert assessment of errors and complications in the practice of a pediatric dentist.	S.I. Gazhva E.S. Tuchik HER. Abramova N.N. Bondarenko	Nizhny Novgorod: NizhGMA Publishing House , 2008300 p.

53.	Guida to Foransia Dentistry	Ed C A Dashinyan	M: LLC
55.	Guide to Forensic Dentistry.	Ed. G.A. Pashinyan	Medical Information
			Agency, 2009528 p.
54.	Scheme of clinical examination of the patient and writing a medical record of a dental patient.	L.M. Lukinykh	Nizhny Novgorod Publishing House . state medical academy , 2009 72s.
55.	Dentist and patient: legal reality.	N.N. Bondarenko	Moscow, Publishing house Medical book, Publishing house "Dentistry", 2009124 p.
56.	Guidelines for the production practice in therapeutic dentistry "Assistant to the dentist therapist".	L.M. Lukinykh CM. Tolmacheva L.I. Egorova E.V. Kitaeva	Nizhny Novgorod: NizhGMA Publishing House , 201044 p.
57.	Apical periodontitis. Tutorial	L.M. Lukinykh L.I. Egorova	Nizhny Novgorod Publishing House . state medical academy , 2010120 p.
58.	Methodical Instructions for the clinical practice in therapeutic stomatology for the 3- d year students of the stomatologycal faculty "THE ASSISTANT OF STOMATOLO-" GICAL THERAPEUTIST".		Nizhny Novgorod: NizhGMA Publishing House , 201035 p.
59.	Guidelines for conducting work practice "Assistant Nurse of the Dental Department."	L.N. Kazarina L.V. Vdovina L.M. Lukinykh E.V. Kitaeva	Nizhny Novgorod: NizhGMA Publishing House , 201040 p.
60.	Guidelines for the production practice in therapeutic dentistry "Assistant to the dentist therapist".	L.M. Lukinykh CM. Tolmacheva L.I. Egorova E.V. Kitaeva	Nizhny Novgorod: Publishing House of Nizhny State Medical Academy, 201144s.
61.	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 3rd edition, NGMA 201144p.
62.	Scheme of clinical examination of the patient and writing a medical record of a dental patient.	L.M. Lukinykh	Nizhny Novgorod Publishing House . state medical academy , 201172s.
63.	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 5th edition, NGMA 201136s.
64.	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh OA. Uspenskaya E.A. Shevchenko	Nizhny Novgorod: 6th edition, NGMA 201252s.
65.	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 3rd edition, NGMA 201244p.
			
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66.	Reading radiographs of teeth and jaws at various age periods in normal and	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 3rd edition, NGMA
	pathological conditions.		201344p.
67.	Urogenital infection and infertility	Shevchenko E.A.,	Nizhny Novgorod:
	(monograph)	Artifeksova A.A.,	NizhGMA Publishing
		Uspenskaya O.A.	House , 2012 160 pages.
68.	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions	Lukinykh L.M. Uspenskaya O.A.	Tutorial. 5th edition. Publishing house NGMA. Nizhny Novgorod, 2013. 44 p.
69.	Test tasks in therapeutic dentistry	Lukinykh L.M., Tiunova N.V., Egorova L.I., Zhdanova M.L., Plishkina A.A., Zolotukhin V.A., Kruglova N.V., Spiridonova S.A.	Nizhny Novgorod: NizhGMA Publishing House , 2013 272 p.
70.	Optimization of complex treatment o	fL.M. Lukinykh,	N. Novgorod:
/0.	1 1	::N.V. Kruglova -	NizhGMA Publishing House , 2013 - 122 p.; ill.
71.	Lichen planus of the oral mucosa: etiology	Lukinykh L.M.	Nizhny Novgorod :
	pathogenesis, clinic, modern methods o treatment (monograph)		NizhGMA Publishing House , 2013 116 p.
72.	Reading radiographs of teeth and jaws at	Lukinykh L.M.	Tutorial. 6th edition).
/ 2.	various age periods in normal and pathological conditions (textbook).	Uspenskaya O.A.	Publishing house NGMA. Nizhny Novgorod, 2014. 42 p.
73.	Physiotherapy in the practice of therapeutic	Lukinykh L.M.	Teaching aid. 2nd
	dentistry (educational manual)	Uspenskaya O.A. Shevchenko E.A.	edition. Nizhny Novgorod : NizhGMA Publishing House , 2014.–52 p.
74.	Irrigation of the root canal system	nLukinykh L.M.,	Publishing house
	(educational manual).	Tiunova N.V.,	NGMA. Nizhny
		Egorova L.I.,	Novgorod, 2014 36
		Zhdanova M.L.,	p.
		Yartseva A.V.	
75.	Pulpitis. Etiology. Pathogenesis Diagnostics. Treatment (textbook).	N.N. Bondarenko, L.M. Lukinykh.	Nizhny Novgorod : NGMA Publishing House, 2014 190 pp.
			ill.
76.	Lichen planus (educational manual).	Lukinykh L.M., Tiunova N.V.	Publishing house NGMA. Nizhny
			Novgorod, 2014. 44 p.
77.	•	eL.M. Lukinykh,	Nizhny Novgorod:
	(educational manual)	O.A. Uspenskaya,	Publishing House of
		E.A. Shevchenko.	NizhGMA , 2015 44

			p., ill.
78.	Chronic recurrent aphthous stomatiti (textbook)	sO.A. Uspenskaya, L.M. Lukinykh, E.A. Shevchenko, N.V. Tiunova .	Nizhny Novgorod: Publishing house of NizhGMA , 2015 72 p., ill.
79.	Obturation of the root canal system (training manual).		Publishing house NGMA. Nizhny Novgorod, 2015 60 p.
80.	Precancerous diseases of the oral mucos and the red border of the lips (textbook).	aLukinykh L.M., Zhdanova M.L., Tiunova N.V.	Publishing house NGMA. Nizhny Novgorod, 2015 88 p.
81.	Physiotherapy in the practice of therapeutic dentistry (educational manual)	O.A. Uspenskaya, L.M. Lukinykh, E.A. Shevchenko	Teaching aid. 3rd edition. Nizhny Novgorod: NizhGMA Publishing House, 2015.–52 p.
82.	Reading radiographs of teeth and jaws a different age periods in normal and pathological conditions (textbook)		Tutorial. 7th edition. Publishing house NGMA. Nizhny Novgorod, 2015 44 pages.
83.	Scheme of examination and writing a medical record of a dental patient (guidelines).	Kondyurova E.V., Uspenskaya O.A.	Saransk: Publishing house Mordovs . un- ta, 2015 72 p.
84.	Treatment of periodontal diseases (textbook)) E.N. Zhulev , N.V. Kruglova, A.V. Kochubeinik	Nizhny Novgorod, 2016-162 c., illustrations ISBN 978-5-7032- 1077-2.
85.	Halitosis . (Tutorial.)	O.A. Uspenskaya, N.V. Tiunova	N. Novgorod, NizhGMA publishing house , 2016 72p. ill.
86.	Apical periodontitis (Tutorial).	Lukinykh L . M ., EgorovaL . I ., Tiunova N . V ., Zhdanova M . L .	Publishing house of NGMA . Nizhny Novgorod , 2016 174 p .
87.	The orofacial system : the art of clinica diagnosis . (Tutorial).	lE.N. Zhulev , V.D. Troshin, O.A. Uspenskaya, N.V. Tiunova .	N. Novgorod, Publishing house of NizhGMA , 2016 88 pages

8.4. Electronic educational resources used in the process of teaching the discipline: 8.4.1. Internal Electronic Library System of the University (VEBS)*

Name	of the	Brief descriptio	n Access conditions	Number of users
electronic	resource	(content)		
Internal	Electronic	Proceedings of PIMU	J Access by individual	Not limited

Library System (VEBS) PIMU	manuals, collections		
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8.4.2. Electronic educational resour	rces purchased by the university

		Direct purchased by the un	v	
No.	Name of the electronic	Brief description	Access conditions	Number of users
	resource	(content)		
1.	Database "Medicine.	Textbooks and teaching	Access by individual	Not limited
	Healthcare (VO) and	aids for higher medical	login and password	
	"Medicine. Healthcare	and pharmaceutical	from any computer	
	(SPO)" as part of the	education.	and mobile device	
	database "Electronic			
	library of a technical			
	university (ELS "Student			
	Consultant"			
2.	Database "Doctor's	National guidelines,	Access by individual	Not limited
	Consultant. Electronic	clinical guidelines,	login and password	
	Medical Library»	textbooks, monographs,	from any computer	
	-	atlases, reference books,	and mobile device	
		etc.		
3.	Database "Electronic	Educational and	Access by individual	Not limited
	library " Bucap " system	scientific medical	login and password	
		literature of Russian	from any computer	
		publishing houses, incl.	and mobile device.	
		translated editions. The	From university	
		collection of	computers - access is	
		subscription	automatic.	
		publications is formed		
		point by point.		
4.	Electronic periodicals in	Electronic medical	Access - from the	Not limited
	the database	magazines	computers of the	
	"SCIENTIFIC	-	university.	
	ELECTRONIC			
	LIBRARY eLIBRARY "			
0.4			1	1

8.4.3 Open access resources

0.1.5	open access resources		
No.	Name of the electronic resource	Brief description	Access
		(content)	conditions
1.	Electronic articles and abstracts	Electronic medical	Not limited
		magazines	
2.	Clinical recommendations of the Ministry of	Protocols for the	Not limited
	Health of the Russian Federation	management of	
		various dental	
		nosologies	
3.	Standards of Care	Medical care	Not limited
	http:www.rspor.en/	standards	
	index . php ? mod 1= standards 3& mod 2=		
	db 1		

4.	State Register of Medicines <u>http://www.drogreg.en/bases/</u> WebReestrQuery.asp	List of commonly used drugs	Not limited
5.	Federal State Institution Scientific Center for Expertise of Medicinal Products of Roszdravnadzor http://www.regmed.ru	Circulation of medicines	Not limited
6.	Pharmaceutical Information Foundation http://drugreg.en	Medications	Not limited
7.	Russian Encyclopedia of Medicines http://rlsnet.en	Medications	Not limited
8.	Vidal Handbook . http://www.vidal.ru	Medications	Not limited
9.	STAR-Dental Association of Russia www.e-stomatology.en	Guidelines	Not limited
10.	Russian State Library (RSL) http://www.rsl.en/	Abstracts for which there are copyright agreements with permission for their open publication.	Not limited
11.	Scientific electronic library of open access CyberLeninka http://cyberleninka.ru/	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring countries.	Not limited
12.	Federal Electronic Medical Library (FEMB) http://neb.rf/	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.)	Not limited
13.	European Association of Scientists, Educators and Dental Professionals www.ed-academy	Dental education, scientific activity	Not limited

14.	Russian Medical Academy of Postgraduate Education www.rmappo.en/	Information about the departments and departments, scientific subdivisions. Selection committee.	Not limited
15.	American Dental Association of Dentists www.americandental.ru/index.html? page =23	International standards and requirements for dental products	Not limited

9. Logistics support of discipline.

9.1. List of premises* required for conducting classroom studies in the discipline.

1. Dental rooms equipped with the necessary equipment and equipment No. 5

- 2. X-ray room
- 3. Sterilization

9.2. The list of equipment* required for classroom training in the discipline. *Lectures:*

- 1. Electronic presentation set
- 2. Lecture hall, screen, projector, laptop

Tables and albums.

- 1. Diagnosis of non-carious lesions and caries.
- 2. Diagnosis of pulpitis .
- 3. Diagnosis of periodontitis.
- 4. Diagnosis of periodontal diseases.
- 5. Diagnosis of diseases of the oral mucosa. cement.

Presentations, transparencies, albums, videos:

1. Caries and its complications (pulpitis, periodontitis).

2. Periodontal disease (gingivitis, periodontitis, periodontal disease, idiopathic diseases).

3. Diseases of the oral mucosa.

4. Non-carious lesions of the teeth.

5. Methods of examination of the patient in the clinic of therapeutic dentistry.

6.Karifei dentistry.

Dental instruments, devices:

1. Dental instruments (tweezers, probes, mirrors, excavators, trowels, pluggers, matrix holders, matrices, tips, burs, polishers, carborundum stones, rubber bands and brushes in stock, endodontic instruments in stock, etc.).

2. Dental filling materials for filling root canals, carious cavities and non-carious lesions.

3. Dry oven, autoclave.

4. Germicidal lamp.

5. Bixes for sterilization.

6. Negatoscope.

7. Odontosensimeter, Digitest.

8. Apparatus Diathermocoagulator.

9 Apparatus Hydro massager .

10. Apparatus Ultradent.

- 11. Amalgamator.
- 12. Apparatus "Neuron-01".
- 13. Apparatus "Neuron-02".
- 14. Apparatus "Mirabel".
- 15. Apparatus IGNL .
- 16. Tonometer.
- 17. Phonendoscope.
- 18. Assistant's chair.
- 19. Dentist's chair.
- 20. Dentist's table.
- 21. Dental unit (Azimuth, Galant, DabiAtlant, Performer-Idek, Castellini).
- 22. Apex locator.
- 23. MiniPieson.
- 24. Assist.
- 25. Televisions and VCRs.
- 26. Laptop and multimedia projector

Training stands:

1. Information (announcements).

2. Plans of lectures and practical classes, lists of recommended basic and additional literature for study.

- 3. Oral hygiene, hygiene products.
- 4. Sweeteners.
- 5. Prevention of non-carious diseases, dental caries and periodontal diseases.
- 6. A set of orthopantomograms and intraoral radiographs.
- 7. Treatment, prevention of periodontal diseases and oral mucosa.

8. Recommended literature on therapeutic dentistry, published in a typographical way by the teaching staff of the Department of Therapeutic Dentistry. *Training dummies:*

- 1. Teeth with cavities of 1-6 Black classes .
- 2. Phantom head.
- 3. Phantom of oral hygiene.
- 4. Human teeth are artificial and natural.

5. Phantom for endodontic manipulations.

6. Workplace for each student (dental unit, dental chair, dentist's chair, dentist's table , doctor's desk).

- 1. Electronic presentation set
- Lecture hall, screen, projector, laptop, screen, TV, video camera, laidoscope, VCR, PC, video and DVD players, monitors, sets of slides, tables / multimedia visual materials on various sections of the discipline, video films, boards and others

ABOUT educational technologies in an interactive form used in the process of teaching the discipline:

- 1. role play
- 2. business games
- 3. training
- 4. game design
- 5.computer simulation
- 6. situation-case etc.;

imitation technologies :

- 1. lecture (problematic, visualization, etc.),
- 2. discussion (with and without brainstorming),
- 3. programmed learning, etc.

Only 25 % of interactive classes from the volume of classroom work.

9.3. Examples of educational technologies in an interactive form:

	1	
Ν	Section name	Forms of classes
о.		using active and
		interactive
		educational
		technologies
on	Modern methods of diagnosing dental	Role-playing game
e	caries	
2	Differential diagnosis of complicated	Seminar-discussion
	forms of caries: pulpitis, periodontitis.	
3	Modern methods of diagnosing	business game
	periodontal diseases	
4	Differential diagnosis of diseases of the	Seminar-discussion
	oral mucosa	
5	Diagnosis of precancerous diseases.	Lecture -
	Oncological alertness in the practice of a	visualization
	dentist.	

Role play design. The methodology of the game can be demonstrated on the example of simulating a clinical situation - dental caries. There are several stages in the role-playing game.

• determination of the goal of the game, development of a game scenario depending on the topic of the lesson: study of the clinic, diagnosis, differential diagnosis of caries, thresholds of sensitivity and emotional lability were determined;

• instructing participants: the moderator (the role of a teacher or educator) names the topic of the lesson, determines its significance, focuses students' attention on the need to highlight competencies (especially legal aspects) that should be analyzed on this particular topic.

• distribution of roles, determination of the features of their behavior, depending on the role. The educational tasks of each are determined based on the game roles.

Dive into the game. Participants of the game are determined. In a role-playing game, learning takes place in the process of joint activity, but at the same time, each participant performs (solves) his task, in accordance with the role.

Students choose cards with a given role in the "blind", determine the range of questions in accordance with the job responsibilities associated with the reception of a patient with dental caries. The "patient" card indicates the diagnosis, severity and aggravating moments (background disease, condition of the dentition: deep bite, partial absence of teeth, short frenulum or any other concomitant pathology). The rest of the participants in the game should not know the diagnosis.

Game process. The student-patient must formulate the complaints with which patients usually go to the doctor in this situation, model the clinical signs of the disease in the form of individual symptoms characteristic of this particular case.

The task of the doctor was to recreate the picture of the disease from individual symptoms, supplement it with the results of appropriate examination methods, and make a diagnosis that is known only to the student - the patient. At this stage of the game, the main points that were taken into account when discussing the course of the game were the observance of the procedure for examining the patient, compliance with the norms of ethics and deontology.

The student dentist clarifies the patient's complaints, details the conditions for the occurrence and development of these symptoms, how they stop. After a complete survey (anamnesis of the development of the disease, life), he identifies the leading symptoms. Conducts a detailed examination of the patient (external examination, examination of the oral cavity, the condition of hard tissues of the teeth), reveals the objective symptoms of the alleged diagnosis, determines and justifies the need for additional examination methods and their significance in making the final diagnosis. He clarified the need for a consultation consisting of an orthodontist , a surgeon or other related specialists to draw up a protocol for the complex treatment of a patient.

The radiologist describes the patient's x-ray, drawing attention to the degree of bone resorption, which determines the severity of the course of periodontal disease, which may accompany the underlying disease.

The lab doctor interprets the tests, identifying changes in the data and their implications for the clinic (for example, a blood test).

Head the dental department analyzes the work of the doctor, in terms of compliance with ethics, deontology, asepsis and antisepsis, the choice of drugs, the validity of their appointment.

An expert-analyst analyzes the work of all participants in the game step by step, evaluates the stages of work with the patient, and assigns marks according to the scorecard.

At the final stage, it is important to discuss the course of the game, the moderator summarizes the results of the game, discusses the performance of the participants, evaluates the participants in the game. The teacher, noting the positive aspects and shortcomings of the role performers, encourages discussion, gives the

participants the opportunity to defend individual positions, determines the level of assimilation of knowledge, professional skills and abilities on this topic.

Seminar-discussion

Preparatory stage.

During the preparation period (2-3 days before the seminar) during independent work, a speaker, a co-rapporteur are determined and the leaders of the initiative groups for each issue are determined. Each leader prepares a 5-7 minute speech in advance, revealing the relevance and significance of the issue under consideration, its main problems. The composition of the expert group consisting of two people is determined to take into account the performances and give individual marks. During this period, a trainee is also assigned to lead the seminar.

His responsibilities include:

- compliance with the time limit for each question;

- directing the discussion of the issue (to whom to give the floor for a report, ensuring order and discipline when discussing the issue); - providing assistance to each group responding to interrogations, etc.

Main stage.

The seminar begins with an introductory speech by the teacher. After that, it is desirable to hear and discuss the report, as well as hear the opponent. Then the teacher determines the composition of the initiative group on the first question. After determining the composition of the group, he, together with the leader of the seminar, tables facing takes his place at two the entire audience. The facilitator gives the floor for a 6-7-minute presentation to the group leader, and then questions on the essence of the first question of the seminar, and the initiative group answers them.

This part of the workshop is the most important. Each participant not only asks questions, but also puts forward his own hypotheses, argues, proves his case, repeatedly refers to lecture notes and manuals to clarify his knowledge and find more convincing and accurate arguments. Thus, the main and basic requirement for organizing work on such a seminar is the following: trainees should as often as possible solve problems posed by themselves. Speaking about the method of asking questions and answering them, it should be noted that the questioner may not address everyone, but a specific person in the initiative group. If this is not the case, then the facilitator regulates the even distribution of questions among the group members. After the time allotted for the question, the facilitator gives the floor to the teacher, who makes a conclusion on the issue (reveals what is the essence of this issue, indicates what to pay special attention to, gives answers to questions that did not receive proper coverage, etc.). Then all subsequent questions of the seminar are discussed in the same way.

The final stage:

- the results of the seminar are summed up;

- the presentation of the expert group and the head of the seminar is heard with an assessment of the work of each trainee; - a survey of trainees is carried out; - Set tasks for independent work.

It should be noted that holding a seminar using the method of active dialogue requires some preparatory work and continuous improvement of the methodology. Conducting a seminar with this method allows you to achieve the goal only if you use the various elements of active learning methods in an integrated manner.

Conducting a business game

1. Introduction to the game. Usually at this stage, the participants are introduced to the meaning, goals and objectives of the game being played, the general rules, they are consulted and instructed. However, if necessary, the game may be preceded by a lecture or conversation on the topic "Methods for diagnosing periodontal diseases. Dental and medical documentation.

2. Dividing listeners into groups. The optimal group size is 5-7 people; in each group, a leader is selected and, if necessary, playing roles are distributed (dentist, patient). Roles can be distributed both at the beginning of the game, and as needed, as it progresses.

3. Immersion in the game. In this fragment, the listeners receive a "game task", for example: to determine the examination methods used to diagnose periodontal diseases in a patient. The game participants analyze the proposed situation, diagnose and rank problems, agree on terminology, formulate problems, etc. In addition, they receive not only information, materials for analysis, but also attitudes on the behavior and rules of the game, therefore, *there is a process of familiarization with the rules and entry into role-playing behavior*.

4. Gameplay. At this stage, in accordance with the strategy adopted in each group, the search or development of solutions is carried out. During the discussion, a collective decision is developed, then a project is developed and substantiated, which is visualized on posters or a slide show, the documents necessary for the decision and its presentation at the plenary session are filled in using standard programs. At this stage, it is necessary to use the Internet for communication and information gathering; various search engines. Consultations with the teacher can be carried out by e-mail, using forums and live chats. Among the Internet resources most often used in independent work, it should be noted electronic libraries, educational portals, thematic sites, bibliographic databases, sites of periodicals. To perform calculations and prepare presentations, it is recommended to use standard software packages.

5. General discussion or plenum. Each group delegates a representative of their team to present and justify their decisions or projects (exchange of opinions, opposition, questions and answers). To conduct intergroup communication, the spatial environment of the game changes, and special roles are assigned, as a rule, performing game functions ("devil's advocate", provocateur, opponent, critic, etc.). Expert groups are actively working at the plenum, which evaluate not only the results of the projective activities of the teams, but also the culture of communication and presentation. As a result of the discussion, the teacher can also speak, but only with comments on the content of the discussion, on projects, and not in general on the whole game. In addition, the teacher at this stage has to conduct a plenum, and, consequently, raise questions and correctly manage the process of exchanging opinions.

6. Summing up the game . The need for this stage is especially important, since decisions and projects are evaluated here, different strategies are introduced, their effectiveness and competitiveness are determined. In addition, at this stage, points, penalty and incentive points are calculated, the best teams, players, projects are identified. It is at this stage that the game gets its logical conclusion. The evaluation system must ultimately correlate the planned goals and the result of the game.

7. Unloading from the game. There are many techniques that contribute to the "unloading " of participants from the gameplay. Their choice depends on the goals of the game and the game-technical competence of the teacher. The final part of the game can be devoted to the reflections of the participants about their future, about the prospects for using this kind of learning technologies in the educational process, homework, etc.

Software:

Distance education, tests for 2-5 courses, website of the department, electronic library, clinical situational tasks on all topics, plans for lectures and practical classes, schedules, a list of student's practical skills and abilities, questions for exams, etc.

	Software	number	Type of	Manufactur	Number	Contract
Ite m no.		of licenses	software	er	in the unified register of Russian software	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	

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

					on	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the					23618/HN10 030 LLC "Softline Trade" from 04.12.2020
	Ministry of Health of Russia	170	Office Application	Microsoft		04.12.2020

Department of **THERAPEUTIC DENTISTRY**

CHANGE REGISTRATION SHEET

working program for the academic discipline

AESTHETICS IN DENTISTRY

Field of study / specialty / scientific specialty: <u>31.05.03 DENTISTRY</u>

Training profile: **DENTISTRY**

(code, name)

(name) - for master's degree programs

Mode of study: <u>FULL-TIME</u>

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

department name, academic title

signature

print name