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): **THERAPEUTIC DENTISTRY**

Specialty: 31.05.03 DENTISTRY

Qualification: **DENTIST**

Department: THERAPEUTIC DENTISTRY

Mode of study: FULL-TIME

Labor intensity of the academic discipline: 792 academic hours

The working program has been developed in accordance with the Federal State Educational Standard for the specialty <u>31.05.03 «DENTISTRY»</u>, approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 984 of August 12, 2020.

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The program was reviewed and app. 2021)	roved at the depar	tment meeting (protocol No.	9 of April 12,
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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. Practical skills acquired at the Department of Therapeutic Dentistry are the basis for all subsequent creative activities of a dentist.

I.I. The purpose of teaching discipline

The purpose of teaching therapeutic dentistry is to study the occurrence, development mechanisms, methods for diagnosing and 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:

The 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 therapeutic dentistry begins with the development of the basic elements - asepsis, antisepsis, anesthesia in the practice of therapeutic dentistry, principles and techniques for the preparation of hard tissues of teeth in caries, oral hygiene, the basics of caries prevention, what a student needs to know for successful treatment of a patient and further mastering 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 topics studied 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 positions. 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. Most topics are studied practically in the conditions of a dental clinic, in a physiotherapy room, in a laser therapy room. These topics include: "Caries and its complications", "Pathology of hard tissues of the tooth of non-carious origin", "Periodontium diseases", "Diseases of the oral mucosa", "Prevention of dental diseases".

The thematic plan of practical classes and lectures is drawn up in such a way that the lecture material focuses on general issues of the topic, the relationship of individual sections, as well as issues that are not worked out subsequently in practical classes: "Epidemiology", "Recording of morbidity", "Structure, physiology and functions of organic membranes of enamel and hard tissues of the tooth", "Etiology and pathogenesis of caries and its complications", "Pathological anatomy of caries, pulpitis, periodontitis", "Periodontium, structure, functions", "Structure, functions of the oral mucosa", "Organization of dental care in Russia, the main prospects for improvement.

Practical classes are held in direct work with patients, which is important in acquiring manual skills and of great educational value - ethics, aesthetics, deontology.

The use of test control, situational tasks of different levels of complexity, viewing slides reduces the theoretical part of the lesson to a minimum, allows you to avoid "micro-lectures" and drag out the theoretical part of the lesson.

1.2. The tasks of studying the discipline

As a result of studying the discipline

STUDENT SHOULD KNOW:

- stages of development of therapeutic dentistry, the role of leading scientists in the development of the discipline, the foundations of the organization of dental care in the Russian Federation. Principles of 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;
- 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 (M.Ya. Yasinovsky's test);
- detection of tissue saturation with ascorbic acid (Rotter's 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 diseases of the mucous membrane with the use of a helium-neon laser;
- diagnosis of emergency conditions of patients;
- 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 Valle's 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;
- 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;
- 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, componers 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;
- inject medicinal substances 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 drug treatment and filling of carious cavities;
- methods of remotherapy;
- methods of mechanical and drug treatment of root canals;
- methods of filling root canals;
- 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 resuscitation and emergency care.

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 HE Academy
- 2.1. Discipline Therapeutic dentistry and physiotherapy of dental diseases refers to the basic part B1.B.40.
- 2.2. To study the discipline, knowledge, skills and abilities are necessary, formed by the previous disciplines:
- 2.2.1. pathological physiology.

Knowledge - Inflammation. Pathology of thermoregulation. Fever. Tumors. Allergy.

Skills - to identify the presence of inflammation, an allergic reaction, a tumor.

Skills - to determine the severity and severity of the inflammatory process

2.2.2. Pathological anatomy.

Knowledge - Inflammation. Necrosis. Regeneration. Tumors. Injuries.

Skills - to take material for cytological examination (scrapings, prints) from the area under study;

Skills - to distinguish various pathological processes from each other.

2.2.3. 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. 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:

					U	the discipline,
	Competen	The content of the	Code and name of	th	e students sho	ould:
Nº	ce code	competence (or its part)	the competence acquisition metric	know	be able to	possess

1	UC-1	Able to carry out a	IUC 1.1 Knows	Principles	Apply the	Practical
1.	UC-1.	Able to carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	IUC 1.1 Knows: methods of critical analysis and evaluation of modern scientific achievements; basic principles of critical analysis IUC 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 IUC 1.3 Has practical experience: researching the problem of professional activity using analysis, synthesis and other methods of intellectual activity; developing an	Principles and methods of search, analysis and synthesis of informatio n.	Apply the principles and methods of searching, analyzing and synthesizin g informatio n; Competent ly, logically, reasonably form their own judgments and assessment s.	Practical skills of searching, analyzing and synthesizing information.
			action strategy to solve professional			
2.	PC-2	Able to assess the condition of a patient requiring medical treatment in the emergency form	problems IPC 2.1 Knows: Normative legal acts regulating the procedures for conducting preventive medical examinations and medical examinations The main criteria for a healthy lifestyle and methods for its formation Socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, the basic principles of their prevention	pathologic al anatomy, clinic, differential diagnosis, methods of treatment and prevention of caries; pulpitis, periodontit is, periodonta l diseases and oral	prescribe and conduct training in rational oral hygiene; carry out therapeutic measures for enamel reminerali zation in order to prevent and treat caries and	methods of preparation, mechanical and drug treatment and filling of carious cavities; remotherapy techniques; methods of mechanical and drug treatment of root canals; root canal filling

Forms and methods of sanitary and hygienic education among patients (their legal representatives), medical workers Features of specific and non-specific prevention of dental diseases The main hygienic measures of a healthimproving nature that promote health and prevent the occurrence of dental diseases Etiology, pathogenesis, prevention of dental diseases Fundamentals of Preventive Medicine Stages of planning and implementation of community programs for the prevention of dental diseases IPC 2.2 Able to: Conduct health and hygiene education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and prevent dental diseases Carry out health education among children and adults with dental diseases in order to form a healthy 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

mucosa; methods and means used in the medical examinatio n, dispensary groups depending on the dental disease

techniques; noncarious methods of lesions of treatment of the teeth: periodontal carry out diseases; comprehen methods of sive treatment of measures diseases of for the the oral prevention mucosa; of caries; methods of determine treatment of the index non-carious of oral lesions of hard dental hygiene according tissues: to Fedorov methods of injection and Volodkina. non-injection according local to Greenanesthesia: Vermillion methods of : determine treatment of the type of pulpitis, plaque on apical the teeth, periodontitis and caries: tartar, its methods of color. professional consistenc oral hygiene; y; carry fissure out therapeutic sealing manipulati techniques. ons to eliminate complicati

ons

associated

with the

treatment

of caries

complicati

and its

remove

dental

plaque,

l tartar;

polish

deposits:

supra- and

subgingiva

ons;

implement healthy	teeth after	
lifestyle programs,	tartar	
including programs to		
reduce alcohol and	removal	
tobacco consumption,		
prevent and combat		
the non-medical use		
of narcotic drugs and		
psychotropic		
substances		
Develop a plan of		
preventive measures		
and implement		
methods of group and		
individual prevention		
of major dental diseases		
Conduct preventive 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		

		patient to	The memodology for	al	examinatio	treatment of
٥.	FC-0	patient to	The methodology for	pathologic		
3.	PC-6	Able to send a	IPC 6.1 Knows:	nathologic	conduct	methods of
			measures			
			compliance with dental preventive			
			Monitoring compliance with			
			with dental diseases			
			children and adults			
			examination of			
			dispensary			
			Conducting a			
			and adults			
			prevention of dental diseases in children			
			methods for the			
			and non-drug			
			prescription of drugs			
			Selection and			
			the standards of medical care			
			taking into account			
			recommendations,			
			care, clinical			
			the procedures for providing medical			
			in accordance with			
			hygienic prevention			
			oncological and			
			account risk factors,			
			diseases, taking into			
			for children and adults with dental			
			preventive measures			
			Prescribing			
			age			
			taking into account			
			of the population,			
			preventive medical dental examinations			
			Carrying out			
			diseases			
			prevention of dental			
			and individual			
			methods for group			
			implementation of			
			plan of preventive measures and the			
			Development of a			
			substances			
			psychotropic			
			of narcotic drugs and			
			the non-medical use			
			tobacco consumption, prevent and combat			
			reduce alcohol and			
			including programs to			
			lifestyle programs,			

laboratory, instrumental examination, to a consultation with specialist doctors if there are medical indications in accordance with the current procedures for the provision of medical care, clinical recommendations (treatment protocols) providing medical care taking into account the standards of medical care, and also refer the patient for providing specialized medical care in an inpatient setting or in a day hospital if there are medical indications in accordance with the current procedures for the medical care delivery, clinical recommendations (treatment protocols) on the medical care delivery taking into account the standards of medical care

collecting complaints and anamnesis from patients (their legal representatives). Methods of physical examination of patients (examination. palpation, percussion, auscultation). The procedure for providing medical care to the adult population with dental diseases The procedure for providing medical care to children with dental diseases Clinical guidelines on the provision of medical care to patients with dental diseases Standards of Care IPK 6.2. Able to: interpret the results of examination, laboratory, instrumental, pathological and other studies, incl. diagnostic studies using modern technical means and digital technologies, in order to recognize the state 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,

n of anatomy, patients in clinic, differential order to diagnosis, diagnose methods of caries, treatment pulpitis, and periodontit is, nonprevention of caries: carious classificati lesions of on, the teeth, etiology, periodonta pathogenes 1 diseases is, and oral pathologic mucosa, al anatomy take a of pulpitis; smear for clinic, cytological differential diagnostics bacteriosc , methods opic, bacteriolog of treatment ical examinatio inflammati n of the on of the contents of pulp; the pocket; classificati perform palpation on, of regional etiology, pathogenes lymph nodes of is, pathologic the facial al anatomy skeleton, of soft tissues periodontit of the face: palpation is: of the oral classificati mucosa; on, determine etiology, pathogenes the is, morpholog pathologic ical al anatomy elements of dental of the lesions of lesion; nonprobe deep carious ulcers. origin. fistulas; Clinic. take differential material

diagnosis,

for

periodontal diseases; methods of treatment of diseases of the oral mucosa; methods of treatment of non-carious lesions of hard dental tissues; methods of treatment of pulpitis, apical periodontitis and caries

Standard of medical care. Clinical recommendations on the provision of medical care, etc.) Develop a plan for the treatment of children and adults with dental diseases in accordance with the procedures for the provision of medical care, clinical guidelines, taking into account the standards of medical care. IPC 6.3 Has practical experience: interpretation of the results of examination, laboratory, instrumental, pathoanatomical and other studies, incl. diagnostic studies using modern technical means and digital technologies, in order to recognize the state 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.)

methods of prevention and treatment of lesions of hard tissues of the tooth of noncarious origin; clinic. differential diagnostics , methods of treatment of periodonta inflammati on: classificati on, etiology, pathogenes is. pathologic al anatomy of diseases of the oral mucosa. Clinic. differential diagnosis, methods of prevention and treatment of diseases of the oral mucosa

cytological examinatio (scrapings, prints); take material for direct microscop y for fungi, fusospiroc hetes: to carry out therapeutic measures in case of damage to the oral mucosa with arsenic salts: local treatment of lesions of the mucous membrane - removal of plaque, necrotic tissues, washing, irrigation, application s; inject drugs under the elements of the lesion: eliminate local traumatic factors determine the index of oral hygiene according

	PC-7	Able to: make a	Development of a treatment plan for children and adults with dental diseases, taking into account the diagnosis, age and clinical picture in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care	clinic	to Fedorov Volodkina, according to Green- Vermillion ; describe radiograph s; determine the degree of tooth mobility (I, II, III);	methods of
4.	PC-7	Able to: make a differential diagnosis with other diseases/conditions including emergencies, establish a diagnosis taking into account the current international statistical classification of diseases and related health problems (ICD)	IPC 7.1 Knows: Methods of drug and non-drug treatment, medical indications for the use of medical devices for dental diseases Groups of drugs used to provide medical care in the treatment of dental diseases; the mechanism of their action, medical indications and contraindications to the appointment; compatibility, possible complications, side effects, adverse reactions, including serious and unexpected Principles, techniques and methods of anesthesia, selection of the type of local anesthesia in the treatment of dental diseases Ways to prevent or eliminate complications, side effects, adverse reactions, including serious and unforeseen, that occurred during the examination or treatment of patients with diseases of the	clinic, differential diagnostics , methods of treatment of inflammati on of the pulp; periodonta l, periodonta l and diseases of the oral mucosa, classificati on, etiology, pathogenes is, pathologic al anatomy. Methods of treatment, indications , contraindic ations to methods of treatment.	choose and carry out a rational method of treating caries, pulpitis, periodontia I diseases, oral mucosa, depending on the clinical manifestati ons and the state of the body as a whole; apply paste for pulp devitalizati on; open the cavities of all anatomical groups of teeth, prepare the crowns of intact teeth; remove the pulp after	methods of treatment of non-carious lesions of hard dental tissues; methods of preparation, mechanical and drug treatment and filling of carious cavities; methods of treatment of pulpitis, apical periodontitis and caries, methods of professional hygiene, removal of dental deposits, methods of treatment of diseases of the oral mucosa

teeth, pulp, periodontium, periodontium, oral mucosa and lips Materials science, technologies, equipment and medical products used in dentistry Anatomy of the head, maxillofacial region, features of blood supply and innervation; the structure of the teeth; histology and embryology of the oral cavity and teeth, the main violations of embryogenesis IPK 7.2. Able to: Develop a plan for the treatment of children and adults with dental diseases in accordance with the procedures for the provision of medical care, clinical guidelines, taking into account the standards of care Select and prescribe medicines, medical devices (including dental materials), dietary nutrition, medical and recreational regimen for the treatment of children and adults with dental diseases in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care Determine medical indications and contraindications for local anesthesia techniques in the maxillofacial region

devitalizati on from the root canal; to carry out instrument al, drug treatment of the root canal, its drying, determinin g the degree of its patency; seal root canals with pastes and sealants without using and using pins; remove fragments of instrument s from the root canal; carry out the removal of supra- and subgingiva l dental deposits, application s on the oral mucosa, blockade under the elements of the lesion take a smear for cytological bacteriosc

opic,

Perform local anesthesia (application, infiltration, conduction) in children and adults with dental diseases Perform medical interventions. including therapeutic ones, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic treatment): - individual training in oral and dental hygiene, selection of means and items for oral hygiene - controlled brushing of teeth - professional oral and dental hygiene - injection of drugs in the maxillofacial area - local application of remineralizing preparations in the area of the tooth - deep fluoridation of tooth enamel - sealing the fissure of the tooth with a sealant - professional teeth whitening - grinding of hard tissues of the tooth - restoration of a tooth with a filling using dental cements, chemical curing materials, photopolymers - restoration of teeth with a violation of the contact point - tooth restoration with filling material using anchor pins - application of devitalizing paste - pulpotomy (amputation of the

bacteriolog ical examinatio n of the contents of the pocket; perform palpation of regional lymph nodes of the facial skeleton, soft tissues of the face; palpation of the oral mucosa; determine the morpholog ical elements of the lesion; probe deep ulcers, fistulas: take material for cytological examinatio (scrapings, prints); take material for direct microscop y for fungi, fusospiroc hetes; to carry out therapeutic measures in case of damage to the oral mucosa with

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 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 diseases on an 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

arsenic salts; local treatment of lesions of the mucous membrane - removal of plaque, necrotic tissues, washing, irrigation, application s; inject drugs under the elements of the lesion; eliminate local traumatic factors

			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			
			outpatient basis			
			(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 with a crown			
			- restoration of the			
			integrity of the			
			dentition with fixed			
			bridges			
			- prosthetics with			
			partial removable			
			lamellar dentures			
			- correction of a			
			removable orthopedic			
			structure			
			- removal of a fixed			
			orthopedic structure			
			Interpret the results of			
			X-ray studies of the			
			maxillofacial region			
			Conduct counseling			
			for children and			
			adults with diseases			
			of the mucous			
			membranes of the			
			mouth and lips,			
			determine indications			
			for referral for a			
			consultation with			
			specialist doctors			
			Prevent or eliminate			
<u> </u>			donkey			
5.	PC-12	Able to prepare the	IPC 12.1 Knows:	Scientific	Analyze	Methods of
		necessary medical	Fundamentals of	literature,	scientific	medical
		documentation for the	evidence-based	educationa	literature	statistics,
		implementation of	medicine; the main	1 and	and	determinatio
Ь	1	1	I		1	

medical and social sources of medical methodical statistical n of the expertise in federal information based publication Student's reviews, state institutions of evidence-based conduct criterion, S, medical and social medicine; methods scientific statistical nonexpertise and refer a and forms of public iournals analysis, parametric patient with a presentation present the methods, and persistent impairment medical information; collections resulting comparison of body functions basic principles of of works. statistics, of caused by diseases, medical research Methods and independent the consequences of IPC 12.2 Can: of medical interpret and injuries or defects to Search for medical statistics. them. dependent medical and social information based expertise evidence-based on groups, medicine: methods for interpret the data of describing scientific qualitative publications; features. evaluate critically modern methods of diagnosis, prevention and treatment of diseases from the perspective of evidence-based medicine; justify your choice methods diagnosing, preventing and treating dental diseases; prepare a presentation for the public presentation of medical 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 evidencebased medicine; public presentation of medical

	information based on evidence-based		
	medicine;		
	partial participation in		
	scientific research		

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

une	***	,	
№	Competen ce code	Section name of the discipline	The content of the section in teaching units
1	UK-1 PC-12 PC-6	Prevention of caries; non-carious lesions of hard tissues of teeth, periodontal diseases and oral mucosa.	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of caries treatment and prevention; pulpitis, periodontitis, non-carious lesions of hard dental tissues, periodontal diseases and oral mucosa
2	UK-1 PC-12 PC-7	Diagnosis of caries; pulpitis, periodontitis, non- carious lesions of hard dental tissues, periodontal diseases and oral mucosa.	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of caries treatment and prevention; pulpitis, periodontitis, non-carious lesions of hard dental tissues, periodontal diseases and oral mucosa
3	UK-1 PC-2	Methods of treatment of diseases of hard tissues of teeth in patients of different ages	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of caries treatment and prevention; pulpitis, periodontitis, non-carious lesions of hard dental tissues. Diagnosis of emergency conditions.
4	UK-1 PC-12	Endodontic treatment of pulp and periodontal diseases in patients of different ages	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of treatment and prevention of pulpitis, periodontitis. Compliance with deontology and ethics when receiving patients of various age groups
5	UK-1 PC-12	Treatment of periodontal diseases in patients of different ages	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of treatment and prevention of periodontal diseases
6	UK-1 PC-12	Treatment of typical diseases of the oral mucosa in patients of different ages	Etiology, pathogenesis, pathological anatomy, clinic, diagnostics, differential diagnostics, methods of treatment and prevention of diseases of the mucous membranes and lips

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

Type of educational work	Labor i	ntensity		Labor	intensity	(AH)	in semest	mesters				
	volume in credit units (CU) volume in academic hours (AH)											
			4	5	6	7	8	9	10			
Classes are work in the direct												
Classroom work, including												
Lectures (L)			2	8		10	10	24	24			
Laboratory practicum (LP)*												

Practicals (P)			42	52	42	48	54	84	62
Seminars (S)									
Student's individual work (SIW)			28	48	30	41	53	72	58
Mid-term assessment									
credit/exam (specify the type)					exam		exam		SFC
TOTAL LABOR INTENSITY	22	792	72	108	72	99	117	180	144

6. Content of the academic discipline

6.1. Sections of the discipline and types of academic work

№	Name of the section of the	J1		es of acaden	nic work* (in AH)	
	academic discipline	L	LP	P	S	SIW	total
	Cariesology	2		42		28	72
	Cariesology	8		52		48	108
	Pulpitis			42		30	72
	Periodontitis	10		48		41	99
	Periodontal diseases. Non- carious lesions	10		54		53	117
	Diseases of oral mucous membranes and lips, physiotherapy of dental diseases	24		84		72	180
	Diseases of the mucous membranes and lips	24		62		58	144
	TOTAL	78		384		330	792

^{* -} L - lectures; LP - laboratory practicum; P - practicals; S - seminars; SIW - student's individual work.

6.2. Thematic schedule of educational work types: 6.2.1 Thematic schedule of lectures

№	Name of lecture topics	Volu	ım
		e	in
		AH	
	4 SEMESTER		
1	The history of the development of therapeutic dentistry. Therapeutic dentistry as the main	2	
	dental discipline. Achievements in therapeutic dentistry. Relationship with other medical		
	disciplines. Tasks of therapeutic dentistry in the treatment and prevention of dental		
	diseases. The contribution of domestic scientists to the development and progress of		
	therapeutic dentistry.		
2	Organization of dental care in Russia. Organizational structure of dental clinics and dental		
	therapeutic department. Accounting and reporting documentation of a dentist. Medical		
	record of a dental patient as the main legal document. Mistakes in the execution of a		
	medical card of a dental patient (No. 043 / y).		
3	Issues of ergonomics and scientific organization of labor. Ethics and deontology in	_	

	therapeutic dentistry.	
4	Cariogenic situation in the oral cavity. Dental plaque, its role in the occurrence of dental caries and periodontal disease. General and individual principles for eliminating a cariogenic situation. Ways to increase the resistance of enamel. Individual prevention of dental caries and periodontal diseases.	
5	A comprehensive program for the prevention of dental caries and periodontal disease. Endogenous and exogenous, drug and non-drug prevention of dental caries and periodontal disease. Oral hygiene is a method of preventing dental caries and periodontal disease. Individual, rational, controlled oral hygiene. Hygienic dental education of the population. Motivation of the population for oral hygiene. Technique of detection and removal of dental deposits. Plaque indicators. Professional oral hygiene. Place and role of professional oral hygiene. Motivation of the population to professional oral hygiene. Medications that contribute to	
	the optimization and intensification of professional oral hygiene. TOTAL (total - AH)	2
	, , ,	2
	5 SEMESTER	
1	Caries. Epidemiology, prevalence, intensity of dental caries. The etiology of caries, the modern concept of dental caries and the modern understanding of the causes and mechanism of development of caries. The role of general and local factors in the development of dental caries. Morphological changes in the hard tissues of the tooth at various stages of the development of the carious process. Cariogenic situation in the oral cavity, clinic. Methods for its detection and elimination. Theoretical substantiation and etiopathogenetic ways of prevention of dental caries. Integrated system of prevention, development, implementation and evaluation of the effectiveness of the prevention program. initial caries. Caries in the white spot stage. Caries in the stage of a pigmented spot. Pathological anatomy. Clinic, diagnostics, differential diagnostics, modern methods of treatment. Modern methods of treatment and prevention of caries in the white spot stage. Endogenous and exogenous, drug and non-drug therapy and prevention of caries in the white spot stage.	2
2	Morphological changes in hard tissues of the tooth at various stages of development of the carious process, according to light, electron, polarization microscopy of enamel. Clinic, diagnosis, differential diagnosis of caries in the stage of white spots and pigmented spots. Treatment of caries in the stage of white spot and pigmented, general and local. Indications for oral administration of drugs that increase the resistance of hard tissues of the tooth. Preparations for remineralizing therapy. Methodology. Prevention of dental caries in the antenatal period of child development. Prevention in the neonatal and thoracic period. Theoretical substantiation and etiopathogenetic ways of prevention of dental caries. Integrated system of prevention, development, implementation and evaluation of the effectiveness of the prevention program.	2
3	Enamel caries (Superficial caries). Pathological anatomy. Clinic, diagnostics, differential diagnostics, modern methods of treatment. Features of preparation and filling of cavities 1, 2, 3, 4, 5,6 Black classes. Dentin caries (Medium caries. Deep caries). Pathological anatomy. Clinic, diagnostics, differential diagnostics, modern methods of treatment. Indications and contraindications for the choice of treatment method. Medicines used in the clinic of therapeutic dentistry for antiseptic treatment, degreasing and dehydration of the carious cavity.	2
4	Features of filling teeth with deep carious cavities. Therapeutic pads used in the treatment of caries located within the peripulpal dentin. Composition, properties, method and technique of application and application. Physico-chemical properties of pastes, their effect on the dental pulp. Clinic, diagnostics, differential diagnostics of caries. Pathological anatomy. Premedication and local anesthesia in the preparation of carious cavities. Treatment, modern aspects. Features of preparation and filling of cavities of 1, 2, 3, 4, 5, 6 Black classes. Mistakes and complications arising in the treatment of dental caries. Methods for their prevention and elimination. Analysis of the effectiveness of treatment.	2
I	TOTAL (total - AH)	8

	6 SEMESTER	
1	The structure of the dental pulp. Physiological data on the dental pulp. Changes in the pulp during aging and pathological conditions. Pulpitis (K04.0). Etiology. Pathogenesis. Classification of pulpitis. Pathological anatomy of pulpitis.	
2	Initial pulpitis K04.00 (Pulp hyperemia) - K04.00. Clinic, diagnostics, differential diagnostics. Pathological anatomy of initial pulpitis. Modern methods of treatment of initial pulpitis. Acute pulpitis (K04.01). Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Providing emergency care. Modern methods of treatment of acute pulpitis. Purulent pulpitis (Pulp abscess) - K04.02. Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Providing	
3	emergency care. Modern methods of treatment of purulent pulpitis. Chronic pulpitis (K04.03). Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Modern methods of treatment. Chronic ulcerative pulpitis (K04.04). Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Modern methods of treatment.	
4	Chronic hyperplastic pulpitis (Pulp polyp) - K04.05. Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Modern methods of treatment. Pulp necrosis (pulp gangrene) - K04.1. Clinic, diagnostics, differential diagnostics. Pathological anatomy of pulpitis. Modern methods of treatment.	
5	Mistakes and complications arising in the treatment of pulpitis by the biological method. Their prevention and elimination. Forecast. Mistakes and complications arising in the treatment of pulpitis with the use of arsenic paste. Their prevention and elimination. Arsenic antidotes, application in the practice of therapeutic dentistry. Forecast.	
	TOTAL (total - AH)	
1	Anatomical and physiological data on periodontium. Histology and physiology of the periodontium. Functions of periodontitis. Anatomical and physiological features of the periodontal structure in normal conditions and in various pathological conditions. Classification. Etiology of apical periodontitis. The pathogenesis of periodontitis. Pathological anatomy and pathological histology. Classification of apical periodontitis. Acute apical periodontitis. Clinic, diagnostics, differential diagnostics. Modern methods of treatment. Absolute and relative indications and contraindications for the preservation of the tooth as an organ. Outcome, forecast. Sharp pain. Providing emergency care for acute periodontitis. Treatment planning. Modern methods of treatment of acute apical periodontitis. Exodus. Forecast. Choice of method of treatment of acute forms of apical periodontitis. Modern methods of treatment of acute apical periodontitis.	2
2	Principles and stages of treatment of acute apical periodontitis, modern aspects. Chronic apical periodontitis. Modern methods of treatment. Clinic, diagnostics, differential diagnostics. Modern methods of treatment. Absolute and relative indications and contraindications for the preservation of the tooth as an organ. Outcome, forecast. Root cyst (periapical, apical, lateral). Clinic, diagnostics, differential diagnostics. Modern methods of treatment. Absolute and relative indications and contraindications for the preservation of the tooth as an organ. Outcome, forecast. Periapical abscess without fistula. Clinic, diagnostics, differential diagnostics. Modern methods of treatment. Absolute and relative indications and contraindications for the preservation of the tooth as an organ. Outcome, forecast. General condition of a patient with periodontitis. Acute pain, emergency care.	2

4	as a fully functioning system and each organ separately. Forecast. Periodontitis. Clinic, diagnosis, differential diagnosis of periodontal disease, modern methods of treatment: local and general, depending on the severity and stage of periodontal	2
	as a fully functioning system and each organ separately. Forecast.	
	The definition of the defined at presenting the defined by stern and the tooth	
I	Modern methods of treatment aimed at preserving the dentoalveolar system and the tooth	
	methods of treatment.	
	periodontitis: local and general. Therapeutic, surgical and orthopedic etiopathogenetic	
	histology. Clinic of periodontitis, diagnostics, differential diagnostics. Principles of complex individualized, etiopathogenetic treatment. Modern methods of treatment of	
	generalized. Etiology, pathogenesis, pathomorphology, pathological anatomy, pathological	
3	Periodontitis: acute, chronic, exacerbation of chronic, remission stage, localized,	2
	diagnosis, differential diagnosis, treatment: local and general. Forecast.	
	ulcerative. Ulcerative necrotic gingivostomatitis Vincent. Etiology, pathogenesis, clinic,	
	clinic, diagnosis, differential diagnosis, treatment: local and general. Forecast. Gingivitis is	
_	treatment: local and general. Forecast. Gingivitis hypertrophic. Etiology, pathogenesis,	_
2	Gingivitis is catarrhal. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis,	2
	depending on the accompanying pathology.	
	qualitative changes in its composition in periodontal pathology. Etiology and pathogenesis of periodontal diseases. Epidemiology of periodontal disease. Features of the course	
	research methods. Classification of periodontal diseases. Gingival fluid, quantitative and	
	condition of the periodontium - hygienic and periodontal indices, basic and additional	
	Methods of examination of patients with periodontal diseases. Criteria for assessing the	
1	Periodontium. Structure, functions. Definition. Anatomical and physiological features.	2
	8 SEMESTER	
	TOTAL (total - AH)	10
	classification, clinic, diagnosis, differential diagnosis, treatment, prevention. Forecast.	10
	hyperesthesia. pathological erasure. wedge defect. Erosion of hard tissues. Etiology,	
	origin that occurs after teething. Pathology that occurs after teething. Enamel	
	diagnosis, differential diagnosis, treatment, prevention. Damage to the teeth of non-carious	
	treatment, prevention. Hereditary malformations of teeth. Etiology, classification, clinic,	
	hyperplasia, fluorosis. Etiology, classification, clinic, diagnosis, differential diagnosis,	
5	Dental lesions of non-carious origin that occur before teething. Hypoplasia, enamel	2
	therapeutic dentistry clinic. Outcome, forecast. Legal aspects.	
	contraindications for tooth-preserving operations and preservation of a part of the tooth as a fully functioning organ. Preparing a patient for a tooth-preserving operation in a	
	Legal aspects. Tooth-preserving operations. Absolute and relative indications and	
	Forecast.	
	Complications in the treatment of periodontitis and ways to eliminate them.	
	their prevention and elimination.	
	Indications and contraindications for the preservation of the tooth as an organ. Methods for	
	infection. Modern methods of treatment.	
	Chronic odontogenic focus. Chronic stomatogenic focus. Elimination of a chronic focus of	
	condition of the patient.	
	contraindications for the use of various methods of treatment, depending on the general	
	Chroniointoxication, etiology, clinic, diagnostics, differential diagnostics. Indications and	_
4	Odontogenic chroniointoxication.	2
	age periods in normal and apical periodontitis.	
	endodontic treatment. Reading and description of radiographs of teeth and jaws in different	
	dentistry. X-ray examination of the patient. Indications. Contraindications. X-ray control of endodontic manipulations in the treatment of apical periodontitis. Quality control of	
	method of carrying out, course of treatment. Radiography in the practice of therapeutic	
	depophoresis, anodal galvanization, IGNLaser, UHF-therapy, fluctuorization. Indications,	
	dentistry. Physical methods of treatment: diathermocoagulation, electrophoresis,	
3	Physical methods of treatment of periodontitis. Radiography in the practice of therapeutic	2
	preservation of the tooth as an organ. Outcome, forecast.	
	methods of treatment. Absolute and relative indications and contraindications for the	
	Periapical abscess with fistula. Clinic, diagnostics, differential diagnostics. Modern	

	diament Idiamethia mariadantal diament diamentias differential	
	disease. Forecast. Idiopathic periodontal disease. Clinic, diagnostics, differential diagnostics, modern methods of treatment: local and general, depending on the severity of	
	periodontal disease.	2
5	Mistakes and complications arising in the treatment of periodontal diseases. Methods for	2
	their prevention and elimination.	
	Forecast. 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.	10
	TOTAL (total - AH)	10
	9 SEMESTER	
1	The mucous membrane of the oral cavity. Examination of a patient with diseases of the	2
	oral mucosa. Anatomical, histological and physiological data on the oral mucosa and the	
	red border of the lips. The structure of the mucosa. Mucosal functions. Pathological	
	processes of the mucous membrane. Morphological elements of the lesion.	
	Basic and additional methods of examination of patients with diseases of the oral mucosa,	
	features of the examination. The value of saliva for the oral mucosa.	
2	Traumatic damage to the oral mucosa. Classification of diseases of the oral mucosa	2
	(MGMSU). Traumatic lesions due to mechanical, chemical, physical effects. Etiology,	
	pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention.	
	Leukoplakia. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics.	
	Treatment. Prevention.	
3	Infectious diseases of the oral mucosa.	2
	Simple vesicular versicolor. Shingles. Flu. Etiology, pathogenesis, clinic, diagnostics,	
	differential diagnostics. Prevention. Treatment of lichen simplex, herpes zoster, influenza.	
4	Candidiasis. Classification. Etiology, pathogenesis, clinic, diagnostics, differential	2
-	diagnostics. Treatment. Prevention.	_
5	Syphilis. Tuberculosis. Gonorrhea. HIV infection. AIDS. Etiology, pathogenesis, clinic,	2
	diagnosis, differential diagnosis, manifestations on the mucous membrane of the oral	
	cavity and the red border of the lips. Modern methods of general and local treatment.	
	Manifestations of the disease on the oral mucosa. Clinic, diagnostics, differential	
	diagnostics. The role of a dentist in diagnosis, modern methods of treatment.	
6	Allergic diseases:	2
	MEE. Multiform exudative erythema. Etiology. Clinic, diagnostics, differential	
	diagnostics. Treatment. Prevention. Pemphigus. Etiology, pathogenesis, clinic, diagnostics,	
	differential diagnostics. Treatment. Prevention.	
7	Allergic diseases:	2
	HRAS.	
	Chronic recurrent aphthous stomatitis. Etiology, clinic, diagnostics, differential	
	diagnostics. Treatment. Prevention. Catarrhal, hemorrhagic, erosive, ulcerative necrotic	
	stomatitis, glossitis of an allergic nature. Etiology, pathogenesis, clinic, diagnostics,	
	differential diagnostics. Treatment. Prevention.	
8	Anomalies and diseases of the tongue:	2
	Desquamative glossitis.	_
	Folded tongue.	
	Classification of diseases of the tongue, etiology, pathogenesis, clinic, diagnosis,	
	differential diagnosis, modern methods of treatment of language anomalies and diseases.	
	Black "hairy" tongue.	
	Rhomboid glossitis.	
	Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of	
	treatment of language anomalies and diseases. Glossalgia, stomalgia. Etiology,	
	pathogenesis. Clinic, diagnostics, differential diagnostics, modern methods of treatment	
	and prevention.	
9	HEILIT: Exfoliative. Glandular. Allergic. Meteorological. Actinic. Etiology, pathogenesis,	2
7		
	clinic, diagnosis, differential diagnosis of cheilitis. Modern methods of local and general	

	treatment. Prevention of lip diseases. Atopic. Plasma cell. Eczematous. Chronic fissure of the lip. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis of cheilitis. Modern methods of local and general treatment. Prevention of lip diseases.	
10	Lichen planus. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention. Pemphigus. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention.	2
	Changes in the oral cavity in some systemic diseases. Catarrhal, hemorrhagic, erosive, ulcerative necrotic stomatitis, glossitis with hypo- and beriberi, diseases of the gastrointestinal tract, diseases of the cardiovascular system, diseases of the endocrine system, diseases of the blood and hematopoietic organs. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention.	2
	Physiotherapy of dental diseases. Galvanization. Medicinal electrophoresis. The use of drug electrophoresis. Physical methods for the prevention, diagnosis and treatment of caries and non-carious lesions of hard dental tissues. impulse current. Diadynamic, sinusoidal modulated and fluctuating currents. Electroodontodiagnostics. Alternating currents of high frequency. Variable electromagnetic fields of high and ultrahigh frequency. ultrasound therapy. Physiotherapy of periodontal diseases and oral mucosa, caries and its complications.	2
	TOTAL (total - AH)	24
	10 SEMESTER	
	Dental caries. Cariogenic situation in the oral cavity, methods for its detection and elimination. classification of caries. Etiopathogenetic rationale for the treatment and prevention of dental caries. Exogenous and endogenous prevention. Modern methods of treatment and prevention of caries. Modern etiopathogenetic methods and methods of restoration of permanent teeth with modern filling materials.	2
	Pulpitis. Classification, clinic, diagnostics, differential diagnostics. Modern methods of treatment. Modern etiopathogenetic methods and methods of restoration of permanent teeth subjected to primary and repeated endodontic treatment using modern filling materials.	2
	Periodontitis. Classification, clinic, diagnostics, differential diagnostics. Modern methods of treatment. Modern etiopathogenetic methods and methods of restoration of permanent teeth subjected to primary and repeated endodontic treatment using modern filling materials. Irrigation of the root canal system. Modern methods of root canal irrigation. Obturation of root canals. Choice of root canal obturation technique. Materials for obturation of root canals.	2
	Periodontal diseases: Gingivitis (catarrhal, hypertrophic, erosive). Classification, clinic, diagnostics, differential diagnostics. Modern methods of treatment. Modern etiopathogenetic methods and methods of prevention. Periodontal diseases: Periodontitis. Idiopathic periodontal disease. Classification, clinic, diagnostics, differential diagnostics. Modern methods of treatment. Modern etiopathogenetic methods and methods of prevention. Periodontitis. Classification, clinic, diagnostics, differential diagnostics. Modern methods of treatment. Modern etiopathogenetic methods and methods of prevention.	2
5	HIV. Syphilis. Etiology, pathogenesis, clinic in the oral cavity, modern methods of treatment. Exodus. Specific diseases: tuberculosis, actinomycosis, gonorrhea. Etiology, pathogenesis, manifestations in the oral cavity. Modern methods of treatment. Management tactics at the dentist's appointment.	2
6	Dentistry for pregnant women. Indications and contraindications for anesthesia. Tactics of management of this group of patients with various pathologies of oral mucosa.	2
7	Whitening. Types of bleaching Conducting methods. Indications and contraindications for whitening.	2
8	Tactics of the behavior of a dentist in case of sensitivity of the teeth after the procedure. Mistakes and complications in teeth whitening.	2
	Colorimetry. Color in the practice of a dentist. The choice of filling material according to	2

	color scales.	
10	Tactics of a doctor in diseases of the oral mucosa. Modern methods of treatment and diagnosis of all types of diseases of the oral mucosa. Clinical cases in the disease of oral mucosa. Xerostomia. Causes and manifestations in the oral cavity. Modern methods of dealing with it. Prevention of xerostomia.	2
11	Innovative systems in dentistry. Modern methods of X-ray examination.	2
12	CT scan. Indications and contraindications for radiography. Reading radiographs.	2
	TOTAL (total - AH)	24

6.2.2. The thematic plan of laboratory practicums (if this type of classes is stipulated in the curriculum)

In accordance with the Federal State Educational Standards, they are not provided.

6.2.3. Thematic plan of practicals

No	6.2.3. Thematic plan of practicals Name of the topics of practicals	Volume in
		AH
	4 SEMESTER	
1	The history of the development of therapeutic dentistry. Therapeutic dentistry, as the	6
	main dental discipline. Achievements in therapeutic dentistry. Relationship between	
	restorative dentistry and other medical disciplines. Tasks of therapeutic dentistry in the treatment and prevention of dental diseases. The contribution of domestic scientists to	
	the development and progress of therapeutic dentistry.	
2	Organization of dental care in Russia. Organizational structure of dental clinics and	6
	dental therapeutic department. Dental office, its equipment. Dental instrumentation.	
2	Issues of ergonomics and scientific organization of labor. Safety engineering.	
3	Methods of examination of a dental patient in the clinic of therapeutic dentistry. Inspection. Detection of caries in the white spot stage (Aksamit method). Interview.	6
	Filling out a medical card of a dental patient. Accounting and reporting documentation	
	of a dentist. Ethics and deontology in therapeutic dentistry.	
4	Sterilization of dental instruments. Ways and methods.	6
5	Cariogenic situation in the oral cavity. Dental plaque, its role in the occurrence of dental	6
	caries and periodontal disease. General principles for eliminating a cariogenic situation.	
	Ways to increase the resistance of enamel. A comprehensive program for the prevention of dental caries and periodontal disease. Endogenous and exogenous, drug and non-	
	drug prevention of dental caries and periodontal disease.	
6	Oral hygiene is a method of preventing dental caries and periodontal disease.	6
	Individual, rational, controlled oral hygiene. Determination of the index of oral hygiene.	
7	Technique of detection and removal of dental deposits. Professional oral hygiene. Final lesson. Solving clinical situational problems of 3 and 4 levels of complexity.	6
	TOTAL (total - AH)	42
	5 SEMESTER	42
1		6,5
1	Examination of a dental patient. Tooth deposits. Kinds. Influence on surrounding tissues.	0,3
	Patient's complaints. History of the development of the disease. Transferred and	
	concomitant diseases. Tolerance of drugs. Examination of the patient: external,	
	condition of the lymph nodes. Examination of the oral cavity; condition of the mucous	
	membrane, teeth, palpation, probing, percussion, X-ray diagnostics, etc. Medical record of a dental patient (form No. 043 / y), filling rules. A sheet of daily records of the work	
	of a dentist (form No. 043 / y), finning rules. A sheet of daily records of the work of a dentist (form No. 037 / y). Consolidated record of the work of a dentist (form No.	
	039/2u-88). Rules for filling out documentation.	
	Localization of carious cavities, the frequency of lesions of individual groups of teeth.	
	KPU index, kp, KPU + kp. Caries intensity and prevalence. Determination of indicators	
	of oral hygiene.	

		T
	Dental deposits. Classification: non-mineralized dental and mineralized dental deposits.	
	Theories of dental plaque formation. Influence on surrounding tissues.	
	Instruments for removing dental deposits (Zags set, Gracie hooks). Ultrastomy, its	
	purpose, removal of dental plaque using an ultrastomy. Rules for the removal of dental	
	deposits. Medications for removing plaque, the properties of these drugs.	
	Professional oral hygiene.	
2	Caries. Etiology, pathogenesis.	6,5
	Classification. Definition of dental caries. Classification of dental caries.	
	ICD-10 (ICB-S). Caries susceptibility, caries resistance, definition, cariogenic situation	
	in the oral cavity. enamel permeability. The role of microorganisms and carbohydrates	
	in the occurrence of a carious process (dental plaque, its significance for the	
	development of caries). Modern ideas about the causes and mechanism of development	
	of caries. The role of general and local factors.	
	Cariogenic situation in the oral cavity. Methods for its detection and prevention.	
3	Caries in the spot stage: caries in the white spot stage, caries in the pigmented spot	6,5
	stage.	
	Treatment and prevention of caries in the stain stage. Methods for detecting caries in	
	the stain stage. Morphological changes in tooth tissues at various stages of development	
	of the carious process according to light, electron, polarization microscopy. Clinic,	
	diagnosis, differential diagnosis of caries in the stain stage.	
	Treatment of caries in the stain stage is complex: general and local. Indications for oral	
	administration of drugs. Preparations for enamel remineralization in case of caries in	
	the stain stage, methodology. Measures aimed at eliminating the cariogenic situation,	
	causing an increase in the resistance of tooth tissues. Prevention of caries (endogenous,	
	exogenous).	
4	Superficial caries (Enamel caries).	6,5
	ICD-10 (ICB-S). Clinic, diagnostics, differential diagnostics, treatment of superficial	
	caries.	
5	Medium caries (dentine caries). Clinic, diagnostics, differential diagnostics, treatment	6,5
	of secondary caries. Premedication and local anesthesia in the preparation of carious	
	cavities.	
6	Deep caries. (pulp hyperemia). ICD-10 (ICB-S). Clinic, diagnosis, differential	6,5
	diagnosis, treatment and prevention of deep caries.	
7	Mistakes and complications arising in the treatment of caries. Mistakes and	6,5
	complications arising from the diagnosis, preparation of a carious cavity, drug treatment	
	of a carious cavity, the placement of an insulating pad and a permanent filling. Ways to	
	eliminate and prevent errors and complications arising in the treatment of caries.	
8	Final lesson. Solving clinical situational problems of 3 and 4 levels of complexity.	6,5
	Manual and theoretical knowledge on the topic "Caries".	
	TOTAL (total - AH)	52
	6 SEMESTER	
1	Anatomical and topographic features, histology and physiology of the dental pulp.	6
	Pulpitis.	
	Age-related changes in the dental pulp. Dystrophic changes associated with local and	
	general factors. Changes in the dental pulp during aging and pathological conditions.	
	Etiology, pathogenesis of pulpitis. Pathological histology of various forms of pulpitis.	
	Pathological anatomy. Classification. ICD-10 (ICB-S).	
2	Pulpitis. Acute forms of pulpitis. ICD-10 (ICB-S). Pulpitis.	6
_	Purulent pulpitis (Pulp abscess). Clinic, diagnosis, differential diagnosis of acute	
	pulpitis. Modern Aspects. Initial pulpitis - K04.00 (Pulp hyperemia - K04.00). Clinic,	
	diagnostics, differential diagnostics. Acute pulpitis - K04.01. Clinic, diagnostics,	
	differential diagnostics. Purulent pulpitis (Pulp abscess) - K04.02. Clinic, diagnosis,	
	differential diagnosis of purulent pulpitis - K04.02. Chine, diagnosis,	
3	Pulpitis. Chronic forms of pulpitis. ICD-10(C). Chronic pulpitis. Chronic ulcerative	6
3	pulpitis. Chronic pulpitis - K04.03. Chronic ulcerative pulpitis - K04.04. Clinic,	
	diagnostics, differential diagnostics. Modern aspects of diagnosis and treatment.	
	dugnostics, unrecentur diagnostics, prodern aspects of diagnosis and treatment.	<u> </u>

4	Chronic hyperplastic pulpitis (Pulp polyp) - K04.05.	6
+	Pulp necrosis (pulp gangrene) - K04.1. Clinic, diagnostics, differential diagnostics.	U
5	Pulpitis. Treatment. Modern successful endodontics. Apexlocation. Apex locator in the	6
	practice of therapeutic dentistry. Biological method of treatment of pulpitis: complete	
	preservation, partial preservation of the pulp. Indications, methods, drugs.	
	Surgical methods of treatment of pulpitis:	
	1. Devital extirpation of the pulp.	
	2. Devital amputation. Indications, methodology. Rules for applying arsenic paste.	
	Arsenic antidotes.	
6	Pulpitis. Treatment. Endodontic instruments. Modern successful endodontics. Absolute	6
	and relative indications and contraindications for this or that method of treatment. The	
	choice of treatment method. Comparative evaluation of all methods of treatment of	
	pulpitis. Modern endodontics, methods, means, equipment. The method of vital pulp extirpation - indications, technique, drugs. Possible	
	complications in the treatment of pulpitis under anesthesia, their prevention and	
	elimination. Treatment of teeth with difficult root canals.	
7	Mistakes and complications arising in the treatment of pulpitis. Their prevention and	6
'	elimination.	
	Forecast.	
	Final lesson. Solution of situational clinical problems, thematic tests. Reading	
	radiographs. Reception of thematic patients.	
	TOTAL (total - AH)	42
	7 SEMESTER	
1	Periodontium. Anatomy. Physiology. The structure and function of the periodontium.	4
	Anatomical and physiological data on periodontitis, pathological anatomy, pathological	
	physiology, pathological pathomorphology. Clinical and radiological characteristics of	
	healthy periodontium. Anatomical and physiological features of the periodontal	
	structure in normal conditions and in various pathological conditions.	
	Etiology, pathogenesis of periodontitis, classification. ICD-10 (ICD-S).	
	Pathological histology of various forms of periodontitis. Periodontitis, definition.	
2	Acute apical periodontitis	5
	ICD-10 (ICD-S). Acute apical periodontitis, intoxication phase and exudation phase,	
	pathogenesis, clinic, diagnostics, differential diagnostics. Treatment of acute apical periodontitis.	
	Sharp pain. Providing emergency care for acute periodontitis. Treatment planning.	
3	Periapical abscess without fistula. ICD-10 (ICB-S). Clinic, diagnostics, differential	5
5	diagnostics. Modern methods of treatment of periapical abscess without fistula.	3
	Absolute and relative indications and contraindications for the preservation of the tooth	
	as an organ. Exodus. Forecast.	
	Providing emergency care for acute periodontitis.	
4	Chronic apical periodontitis. ICD-10 (ICB-S). Etiology, pathogenesis, clinic,	5
	diagnostics, differential diagnostics. Modern methods of treatment. Absolute and	
	relative indications and contraindications for the preservation of the tooth as an organ.	
	Exodus. Forecast. X-ray method of research in the diagnosis of apical periodontitis. The	
	use of X-ray examination to monitor the performance of endodontic manipulations and	
	the effectiveness of the treatment.	
	Reading radiographs of teeth and jaws at various age periods in normal and	
5	pathological conditions. Periopical charges with figure ICD 10 (ICP S) Clinic diagnostics differential	5
5	Periapical abscess with fistula ICD-10 (ICB-S). Clinic, diagnostics, differential	3
	diagnostics. Modern methods of treatment of periapical abscess with fistula. Absolute and relative indications and contraindications for the preservation of the tooth as an	
	organ. Exodus. Forecast.	
	X-ray examination. Electroodontometry (EOD).	
6	Root cyst (periapical, apical, lateral).	5
	Modern methods of treatment of apical periodontitis.	-
	ICD-10 (ICB-S). Etiology, pathogenesis, clinic, diagnostics, differential diagnostics.	

	Modern methods of treatment. Absolute and relative indications and contraindications	
	for the preservation of the tooth as an organ. Exodus. Forecast. Treatment of acute and	
	chronic forms of apical periodontitis. Medical and physical treatments. Indications and	
	contraindications for conservative treatment.	
	Modern filling materials for temporary and permanent filling of root canals.	
7	Tooth-preserving operations. Absolute and relative indications and contraindications for	5
	the preservation of the tooth as an organ. The technique of tooth-preserving operations	
	in the treatment of apical periodontitis of permanent teeth: corono-radicular separation,	
	hemireplantation, resection of the root apex, granulectomy, root amputation,	
	hemisection. Exodus. Forecast.	
	Replantation, transradicular hemisection as a method of periodontitis treatment.	
	Preparation for treatment, indications, contraindications. Mistakes and complications	
	arising from replantation and hemisection.	
	Physical methods of treatment.	
	Legal aspects.	
0		5
8	Mistakes and complications arising in the diagnosis and differential diagnosis of apical	3
	periodontitis. Ways to prevent and eliminate. Absolute and relative indications and	
	contraindications for the preservation of the tooth as an organ. Exodus. Forecast.	
9	Odontogenic chroniointoxication.	5
	Odontogenic chronic focus.	
	Dental chronic focus. Etiology, pathogenesis, clinic, diagnostics, differential	
	diagnostics, treatment. Absolute and relative indications and contraindications for the	
	preservation of the tooth as an organ. Prevention. Exodus. Forecast.	
10	Final lesson	4
	On the topic "Apical periodontitis". Solution of situational problems, tests. Reception of	
	thematic patients.	
	TOTAL (total - AH)	48
	8 SEMESTER	
1	The structure of the periodontium. Anatomical structures, histological structure of the	4
1	periodontium, functions of the periodontium. Gingival fluid, quantitative and qualitative	7
	changes in its composition in periodontal pathology. Physiological data on the	
	periodontium. The prevalence of periodontal disease in different population groups.	
	Examination of a patient with periodontal pathology. Criteria for assessing the	
	1	
	condition of the periodontium. Reading radiographs of teeth and jaws at various age	
2	periods in normal and pathological conditions.	
2	Classification of periodontal diseases. Definition, etiology, pathogenesis, classification	4
	of periodontal diseases. Gingivitis is catarrhal. The role of general and local factors in	
	the etiology of gingivitis. Etiology, pathogenesis, clinic, diagnosis, differential	
	diagnosis, treatment: local and general. Prevention of gingivitis.	
3	Gingivitis hypertrophic. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis,	4
	treatment: local and general. Prevention of gingivitis.	
4	Gingivitis is ulcerative. Ulcerative-necrotic gingivostomatitis Vincent. Etiology,	4
	pathogenesis, clinic, diagnosis, differential diagnosis, treatment: local and general.	
1	1	
	Prevention of gingivitis.	
5-6	Prevention of gingivitis. Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential	4
5-6		4
5-6	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential	4
5-6	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic).	4
5-6	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment.	4
5-6	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and	4
5-6 7-8	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	4
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	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions. Idiopathic periodontal disease with progressive periodontal lysis. Rapidly progressive periodontitis. Features of clinical manifestations, modern methods of treatment.	
	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions. Idiopathic periodontal disease with progressive periodontal lysis. Rapidly progressive periodontitis. Features of clinical manifestations, modern methods of treatment. Reading radiographs of teeth and jaws at various age periods in normal and	
7-8	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions. Idiopathic periodontal disease with progressive periodontal lysis. Rapidly progressive periodontitis. Features of clinical manifestations, modern methods of treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	4
	Periodontitis. Definition, etiology, pathogenesis, clinic, diagnostics, differential diagnostics. The principle of complex treatment (medication, surgery, orthopedic). Prevention, methods and means. Medical examination. Modern aspects in the choice of complex, individualized, etiopathogenetic treatment. Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions. Idiopathic periodontal disease with progressive periodontal lysis. Rapidly progressive periodontitis. Features of clinical manifestations, modern methods of treatment. Reading radiographs of teeth and jaws at various age periods in normal and	

dontal diseases. Organization of medical and ntal pathology. Clinical examination of patients of the teeth that arose before teething: hereditary and formations of teeth. It dental diagnosis, prevention, treatment. It dental tissues. Hyperesthesia, pathological of hard tissues. Etiology, clinic, diagnostics, ment. Exodus. Forecast. In all problems, tests. Computer testing. SEMESTER Cal data on the oral mucosa and the red border sa. Methods of examination of a patient with the mouth and lips. Pathological processes that elements.	4,6 4,6 4,6 54 4,9
hods and means. The value of oral hygiene in dontal diseases. Organization of medical and ntal pathology. Clinical examination of patients of the teeth that arose before teething: hereditary and a fitter that arose before teet	4,6 4,6 4,6 54
dontal diseases. Organization of medical and ntal pathology. Clinical examination of patients of the teeth that arose before teething: hereditary and a fitter that arose before teething: hereditary and a fitter teeth that arose before teething: hereditary and a fitter teeth that arose before teething: hereditary and a fitter teething and a fitter teething and the same and the red border same teething. SEMESTER Cal data on the oral mucosa and the red border same mouth and lips. Pathological processes that elements.	4,6 4,6 4,6 54
f the teeth that arose before teething: hereditary and formations of teeth. It dental tissues. Hyperesthesia, pathological of hard tissues. Etiology, clinic, diagnostics, ment. Exodus. Forecast. It hall problems, tests. Computer testing. SEMESTER Cal data on the oral mucosa and the red border sa. Methods of examination of a patient with the mouth and lips. Pathological processes that elements.	4,6 4,6 54
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sa. Methods of examination of a patient with ne mouth and lips. Pathological processes that elements.	
ne mouth and lips. Pathological processes that elements.	
elements.	
ane. Chemical injury of the mucous membrane.	4,9
ne. Etiology, pathogenesis, clinic, diagnostics,	
of treatment.	
clinic, diagnostics, differential diagnostics,	4,9
	4.0
	4,9
	4,9
diassification, crime, diagnostics, differential	4,7
Leavity. Chronic recurrent arhthous stomatitis.	4,9
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gy, pathogenesis, clinic, diagnosis, differential	4,9
ic, diagnosis, differential diagnosis, treatment.	4,9
	4.0
as differential diagnostics and dam motheds of	4,9
cs, differential diagnostics, modern methods of	
liagnosis differential diagnosis treatment	4,9
magnosis, differential diagnosis, treatment.	٦,)
liagnosis, differential diagnosis, treatment:	4,9
differential diagnostics modern methods of	4,9
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of diagnostics and treatment. Prevention.	
on our of the control of the	
	gy, pathogenesis, clinic, diagnosis, differential ic, diagnosis, differential diagnosis, treatment. cs, differential diagnostics, modern methods of diagnosis, differential diagnosis, treatment: diagnosis, differential diagnosis, treatment: diagnosis, differential diagnosis, treatment:

13	Catarrhal, hemorrhagic, erosive, ulcerative necrotic stomatitis, glossitis with hypo- and beriberi, diseases of the gastrointestinal tract, diseases of the cardiovascular system, diseases of the endocrine system. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention.	4,9
14	Etiology, pathogenesis, clinic, diagnostics, differential diagnostics. Treatment. Prevention.	4,9
15	Physiotherapy of dental diseases. Galvanization. Medicinal electrophoresis. The use of drug electrophoresis. Physical methods for the prevention, diagnosis and treatment of caries and non-carious lesions of hard dental tissues.	4,9
16	impulse current. Diadynamic, sinusoidal modulated and fluctuating currents. Electroodontodiagnostics. Alternating currents of high frequency. Variable electromagnetic fields of high and ultrahigh frequency. ultrasound therapy. Physiotherapy of periodontal diseases and oral mucosa, caries and its complications.	4,9
17	Final lesson. Solution of clinical situational problems, tests. Reception of thematic patients.	4,9
	TOTAL (total - AH)	84
	10 SEMESTER	
	Caries. Caries. Classification. Clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention. Pulpitis. Classification. Clinic, diagnostics, differential diagnostics, modern principles and methods of treatment, prevention. Periodontitis. Classification. Clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention.	5,2
	Periodontitis. Classification. Clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention.	5,2
	Periodontal disease. Classification. Gingivitis. Catarrhal gingivitis. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, treatment, prevention. Hypertrophic gingivitis. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of treatment. Prevention. Ulcerative necrotizing gingivitis. Etiology, pathogenesis, clinic, diagnostics, differential	5,2
	diagnostics, modern methods of treatment. Prevention. Periodontal disease. Periodontitis. Idiopathic periodontal disease. Periodontitis. Classification. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention. Medical examination.	5,2
	Idiopathic periodontal disease. Classification. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention.	5,2
	Periodontitis. Classification. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of treatment, prevention. Medical examination.	5,2
	Infectious and venereal diseases of the oral mucosa: 1. Viral. 2. Venereal. 3. Mycoses. 4. Ulcerative-necrotic gingivo-stomatitis of Vincent. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, treatment, prevention. 5. HIV infection. AIDS. Etiology, pathogenesis, clinic, manifestations in the oral cavity, diagnosis, differential diagnosis, treatment, prevention. 6. Tuberculosis. Etiology, pathogenesis, clinic, manifestations in the oral cavity, diagnosis, differential diagnosis, treatment, prevention. 7. Simple vesicular deprive. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, treatment, prevention. 8. Syphilis. 9. Gonorrhea. Etiology, pathogenesis, clinic, manifestations in the oral cavity, diagnosis, differential diagnosis, treatment, prevention. 10. Candidiasis. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis, treatment, prevention. Chronic recurrent aphthous stomatitis.	5,2

Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, modern methods of	
treatment. Prevention.	5.0
Multiform exudative erythema. Pemphigus.	5,2
Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment. Prevention.	
Lichen planus. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics,	5,2
modern methods of treatment.	
Glossitis. Glossalgia.	5,2
* Desquamative glossitis.	
* Folded tongue.	
* Black hairy tongue.	
* Rhomboid tongue.	
*Microglossia.	
*Macroglossia. Etiology, pathogenesis, clinic, diagnosis of glossitis, differential	
diagnosis, treatment, prevention.	
Cheilite. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment:	5,2
a) exfoliative cheilitis,	
b) glandular cheilitis,	
c) contact allergic cheilitis,	
d) meteorological cheilitis,	
e) actinic cheilitis,	
e) atopic cheilitis,	
g) eczematous cheilitis,	
h) plasma cell cheilitis,	
i) cracked lips.	
Modern complex individualized, etiopathogenetic methods of treatment and prevention.	
Changes in the oral mucosa in some systemic diseases of internal organs and systems.	
I. Endocrine diseases.	
2. Diseases of the gastrointestinal tract.	
3. Diseases of the cardiovascular system.	
4. Diseases of the blood system and hematopoietic organs.	
5. Diseases of the nervous system.	
Manifestations in the oral cavity, clinic, diagnosis, differential diagnosis, treatment.	
Final lesson. Testing. Individual control of knowledge and practical skills for each	5,2
student.	
TOTAL (total - AH)	62

6.2.4. Thematic plan of seminars (if this type of classes is stipulated in the curriculum)

№	Name of seminar topics	Volume in AH		
		semester	AH	
1	Work with lecture material, which includes the development of lecture notes and educational literature, work with electronic educational resources posted on the educational portal of the University; - search (selection) and review of literature and electronic sources of information on the problem, writing an abstract (essay, report, scientific article) on a given problem; -doing homework for the lesson; - performing home control work (solving problems, doing exercises); - study of the material submitted for independent study (separate topics, paragraphs);	4	28	

	T		
	-practicum on academic discipline using software;		
	– preparation for practical exercises;		
	– preparation for the control work;		
	- preparation for the test on the topics:		
	The history of the development of therapeutic		
	dentistry.		
	Organizational structure of dental care		
	Prevention of dental diseases		
	Methods of examination of the patient. Dental and		
	medical documentation. Sterilization of dental		
	instruments.		
	Prevention of dental caries. Oral hygiene.		
2	Work with lecture material, which includes the	5	48
	development of lecture notes and educational		
	literature, work with electronic educational		
	resources posted on the educational portal of the		
	University;		
	T		
	- search (selection) and review of literature and		
	electronic sources of information on the problem,		
	writing an abstract (essay, report, scientific article)		
	on a given problem;		
	-doing homework for the lesson;		
	– performing home control work (solving		
	problems, doing exercises);		
	- study of the material submitted for independent		
	study (separate topics, paragraphs);		
	-practicum on academic discipline using software;		
	practicular of academic discipline using software,preparation for practical exercises;		
	– preparation for the control work;		
	- preparation for the test on the topic "Dental		
	caries.		
	Treatment of dental caries.		
3	Work with lecture material, which includes the	6	30
	development of lecture notes and educational		
	literature, work with electronic educational		
	resources posted on the educational portal of the		
	University;		
	- search (selection) and review of literature and		
	electronic sources of information on the problem,		
	writing an abstract (essay, report, scientific article)		
	on a given problem;		
	-doing homework for the lesson;		
	- performing home control work (solving		
	problems, doing exercises);		
	– study of the material submitted for independent		
	study (separate topics, paragraphs);		
	-practicum on academic discipline using software;		
	– preparation for practical exercises;		
	– preparation for the control work;		
	- preparation for the test on the topic "Pulpitis".		
4	Work with lecture material, which includes the	7	41
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	development of lecture notes and educational		
	literature, work with electronic educational		
	resources posted on the educational portal of the		
	University;		
	- search (selection) and review of literature and		
	- search (selection) and review of literature and electronic sources of information on the problem,		

	writing an abstract (essay, report, scientific article)		
	on a given problem;		
	-doing homework for the lesson;		
	- performing home control work (solving		
	problems, doing exercises);		
	– study of the material submitted for independent		
	study (separate topics, paragraphs);		
	-practicum on academic discipline using software;		
	– preparation for practical exercises;		
	– preparation for the control work;		
	- preparation for the test on the topic		
	"Periodontitis".		
5	Work with lecture material, which includes the	8	53
	development of lecture notes and educational	0	33
	literature, work with electronic educational		
	1		
	resources posted on the educational portal of the		
	University;		
	- search (selection) and review of literature and		
	electronic sources of information on the problem,		
	writing an abstract (essay, report, scientific article)		
	on a given problem;		
	-doing homework for the lesson;		
	– performing home control work (solving		
	problems, doing exercises);		
	- study of the material submitted for independent		
	study (separate topics, paragraphs);		
	-practicum on academic discipline using software;		
	- preparation for practical exercises;		
	preparation for the control work;		
	- preparation for the control work, - preparation for the test		
	- writing a case history on the topic "Periodontal		
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	disease. Gingivitis. Periodontitis. Periodontitis.		
	Idiopathic diseases. Pathology of hard tissues of the		
	tooth of non-carious origin.		
6	Work with lecture material, which includes the	9	72
	development of lecture notes and educational		
	literature, work with electronic educational		
	resources posted on the educational portal of the		
	University;		
	- search (selection) and review of literature and		
	electronic sources of information on the problem,		
	writing an abstract (essay, report, scientific article)		
	on a given problem;		
	-doing homework for the lesson;		
	- performing home control work (solving		
	problems, doing exercises);		
	- study of the material submitted for independent		
	study (separate topics, paragraphs);		
	-practicum on academic discipline using software;		
	– preparation for practical exercises;		
	- preparation for the control work;		
	- preparation for the test on the topic "Diseases of		
	the oral mucosa. Physical methods in the treatment		
	and prevention of dental diseases.		
7	Work with lecture material, which includes the	10	58
	development of lecture notes and educational		
	literature, work with electronic educational		
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resources posted on the educational portal of the	
University;	
- search (selection) and review of literature and	
electronic sources of information on the problem,	
writing an abstract (essay, report, scientific article)	
on a given problem;	
-doing homework for the lesson;	
– performing home control work (solving	
problems, doing exercises);	
– study of the material submitted for independent	
study (separate topics, paragraphs);	
 practicum on academic discipline using software; 	
preparation for practical exercises;	
preparation for the control work;	
- preparation for the test and certification on the	
topic "Diseases of the oral mucosa".	
TOTAL (total - AH)-330	

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

$N_{\underline{0}}$	Types and topics of SIW	Semester
	Writing articles, preparing reports for scientific conferences on the topic "Organizational structure of dental care. Prevention of dental diseases. Methods of examination of the patient. Dental and medical documentation. Sterilization of dental instruments. Prevention of dental caries. Oral hygiene.»	4
	Writing articles, preparing reports for scientific conferences on the topic "Dental caries. Treatment of dental caries.	5
	Writing articles, preparing reports for scientific conferences on the topic "Pulpitis".	6
	Writing articles, preparing reports for scientific conferences on the topic "Periodontitis".	7
	Writing articles, preparing reports for scientific conferences on the topic "Periodontal Diseases. Gingivitis. Periodontitis. Periodontitis. Idiopathic diseases. Pathology of hard tissues of the tooth of non-carious origin.	8
	Writing articles, preparing reports at scientific conferences on the topic "Diseases of the oral mucosa. Physical methods in the treatment and prevention of dental diseases.	9
	Writing articles, preparing reports at scientific conferences on the topic "Diseases of the oral mucosa".	10

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

		7. Types of assessment form			8 11-11-11	Assessment formats			
№	Se mes ter No.	Types of	control	Name of section of academic discipline		Competence codes	types	number of test questions	number of test task options
1	Current monito ring	Control of mastering the topic							
1.		ring t	Monitoring the student's individual work						

	Mid-	Exam/ Credit			
	term				
2.	assess				
	ment				

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. Dental pulp. Histological structure, innervation, blood supply, main functions.

Situational task in therapeutic dentistry No. 1

Patient K, 35 years old, an accountant by profession, turned to the Department of Therapeutic Dentistry with complaints of dryness and burning of the lips, pain in the buccal mucosa on the right, aggravated by talking and eating.

Objectively: the regional lymph nodes are enlarged, painful, mobile, soft-elastic consistency, the red border of the upper and lower lips is hyperemic, edematous, covered with small grayish scales, the skin and mucous membrane of the upper and lower lips, as well as the corners of the mouth of a physiological color, without pathological elements. On the mucous membrane of the cheek on the right there is an ulcer with uneven edges, covered with fibrinous plaque, painful on palpation. Crowns 1.5, 1.6 are partially destroyed, there are sharp edges, percussion is positive, the mucous membrane in the projection area of the tops 1.5, 1.6 is hyperemic, edematous. EDI 1.5 - 150 μ A, 1.6. - 200 μ A.





- 1. Make a preliminary diagnosis.
- 2. Carry out differential diagnostics.
- 3. Make a treatment plan.

Situational task in therapeutic dentistry No. 2

Patient B, 39 years old, went to the dentist with complaints of bleeding gums and pain when chewing solid food, inability to eat irritating food, pain when swallowing, dry mouth. The doctor clarified that in recent days the patient had been feeling unwell, sweating, flies flickering before his eyes, in the evenings the temperature rose to 37.6 degrees, chills.

On examination: the skin and visible mucous membranes are pale. On the mucous membrane of the oral cavity, in places, small-pointed hemorrhagic rashes, ulcerations, necrotic plaque on the tonsils, the gums are loosened, hyperplastic, bleeding, their palpation is painful. The mucous membrane of the tongue is hyperemic, edematous, covered with densely soldered gray-white plaques that form an uneven surface, which are not removed when scraped, and an erosive bleeding surface is exposed when forcefully removed.

Submandibular and cervical lymph nodes are enlarged 15 * 20 mm, painful, dense-elastic consistency, not soldered to each other and the skin.





- 1. Highlight the main syndromes in the patient's condition.
- 2. Your preliminary diagnosis.
- 3. What diagnostic methods can confirm your assumption.
- 4. Treatment tactics of a dentist in this situation.

Test tasks:

1. THERAPEUTIC FACTOR IN DIATHERMOCOAGULATION IS

electromagnetic oscillations of the microwave, decimeter, centimeter range of microwaves exposure to a constant or alternating low-frequency magnetic field in continuous or intermittent modes alternating current of high frequency, small voltage, large strength and density alternating sinusoidal current of high frequency, high voltage and power up to 10 W

sinusoidal alternating current of low strength and low voltage, randomly varying in amplitude and frequency

- 2. TECHNICAL DEVICE EMITTING IN THE FORM OF A DIRECTIONAL BEAM COHERENT POLARIZED MONOCHROMATIC ELECTROMAGNETIC RADIATION IS A LASER.
- 3. INDICATIONS FOR DEPOPHORESIS

pregnancy

severe infection of the dentin

unsuccessful treatment of the tooth with "traditional methods festering jaw cyst

treatment of teeth with "problem" canals

4. FUNCTIONALITY OF LEBAB MEASURES IN PERIODONTITIS

laser therapy, removal of dental deposits, elimination of traumatic factors, surgical intervention removal of dental deposits, elimination of traumatic factors, surgical intervention, laser therapy removal of dental deposits, laser therapy, elimination of traumatic factors, surgical intervention removal of dental deposits, elimination of traumatic factors, laser therapy, surgical intervention elimination of traumatic factors, laser therapy, surgical intervention

1. FOR ELECTROODONTODIAGNOSTICS USED







5. GENERAL CONTRAINDICATIONS TO PHYSIOTHERAPY

malignant neoplasms and suspicion of their presence, including hemoblastoses

hormonally active tumors in women in the growth stage, or in a condition requiring surgical treatment (mastopathy, endometriosis, uterine fibroids)

cachexia

4.

systemic blood diseases

neuralgia

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 = $45 \,\mu$ 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, there is an expansion of the periodontal fissure throughout.





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

An example of test tasks:

1. THE METHOD OF TRANSILLUMINATION IS BASED

on the assessment of shadow formations resulting from the passage of a cold beam of light harmless to the body through the object of study

on the impact on a biological object with a therapeutic purpose by electromagnetic radiation of the optical range, which has such properties as coherence, monochromaticity, polarization and directionality of the radiation flux

on the combined effect on the body of direct current and medicinal substances

on the influence of a direct impulse current of a half-sinusoidal shape with a frequency of 50 and 100 Hz on the impact on the central nervous system with short-duration rectangular pulses (0.2–2 ms), amplitude and frequency (10–130 Hz)

2. INDICATIONS FOR THE TRANSILLUMINATION METHOD

diagnosis of dental caries, pulpitis detection of gingival dental deposits, cracks in the enamel for quality control of preparation of cavities for filling, filling and removal of dental deposits in the frontal group of teeth

all of the above

3. CONTRAINDICATIONS TO ELECTROODONTODIAGNOSIS

tooth covered with a metal or plastic crown

filling adjacent to the gum

conduction or infiltration anesthesia

anesthesia

instrument broken in the canal

4. DIRECT PULSE CURRENT OF A HALF-SINE FORM WITH A FREQUENCY OF 50 AND 100 Hz

- THIS IS diadynamic therapy.

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.

EXAMINATION TICKET No. 2

- 1. Disinfection, pre-sterilization cleaning and sterilization of dental instruments in practical dentistry.
- 2. Pulpitis. Classifications, etiology, pathogenesis.
- 3. Catarrhal gingivitis of moderate severity. Clinic, diagnostics, differential diagnostics, modern methods of treatment.

EXAMINATION TICKET No. 3

- 1. Oral fluid, its composition, properties, role and significance for the oral cavity.
- 2. Initial hyperemia of the pulp. Clinic, diagnostics, differential diagnostics.
- 3. Hypertrophic gingivitis, edematous form. Clinic, diagnostics, differential diagnostics, modern methods of treatment.

Situational task in therapeutic dentistry No. 1

Patient O., 36 years old, turned to the dental clinic with complaints of itching, burning, soreness in the gums, bleeding gums. From the anamnesis: ulcerative colitis, biliary dyskinesia.

Objectively: The mucous membrane of the marginal gums of the upper and lower jaws is hyperemic, with a cyanotic tinge, edematous, bleeds on probing, a large amount of dental deposits, periodontal pockets up to 4 mm deep, pathological mobility of the 1st degree. Tooth 2.4 - there is a shallow carious cavity on the medial surface, EOD = 5 μ A, tooth 2.6 - there is a white spot on the occlusal surface, probing and percussion are painless, EDI = 2 μ A, tooth 1.7 - on the medio-occlusal surface - a deep carious cavity in within the peripulpal dentin, a cold stimulus leads to a rapidly passing pain.



1. Make a preliminary diagnosis.

- 2. Carry out differential diagnostics.
- 3. Prescribe general and local treatment for these diseases

1. PHYSICAL FACTORS USED IN THE BIOLOGICAL METHOD OF TREATMENT OF PULPITIS

laser therapy

SMT therapy

transchannel electrophoresis

depophoresis

diathermocoagulation

2. FOR DIAGNOSIS OF CARIES USE

electrodiagnostics

transillumination method

diadynamometry

magnetotherapy

ultrasound therapy.

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.

Example:

- 1. The system of state, social, hygienic and medical measures aimed at ensuring high level of dental health and prevention of dental diseases
- 1) medical examination
- 2) sanitation of the oral cavity
- 3) prevention
- 2. The method of health care for the population, including the necessary complex of wellness social and hygienic measures are
- 1) medical examination
- 2) sanitation of the oral cavity
- 3) prevention

3. POSSIBILITY OF LEBAB MEASURES IN PERIODONTITIS

laser therapy, removal of dental deposits, elimination of traumatic factors, surgical intervention removal of dental deposits, elimination of traumatic factors, surgical intervention, laser therapy surgical intervention

removal of dental deposits, elimination of traumatic factors, laser therapy, surgical intervention elimination of traumatic factors, laser therapy, surgical intervention

Situational task in therapeutic dentistry No. 1

Patient T., 63 years old, went to the dentist with complaints of dryness and burning sensation in the mouth, bleeding gums.

From the anamnesis: for almost 7 years she has been using partial removable dentures for the lower and upper jaws. Frequent nosebleeds.

Objectively: the skin is pale, stretching of the corners of the mouth reveals linear erosions covered with translucent soft scales. The red border of the upper and lower lips is dry, hyperemic. In the oral cavity on the dorsal surface of the tongue, the filiform papillae are atrophied. The oral mucosa is edematous, atrophied, the epithelium is thinned, multiple petechiae and hemorrhages. Teeth 2.3, 3.3 - under stamped crowns, the necks of the teeth are exposed, probing is slightly painful. In the blood test - a sharp decrease in the number of platelets, giant platelets, prolongation of bleeding time.





- 1. Make a preliminary diagnosis.
- 2. Carry out differential diagnostics.
- 3. What is the histological picture in this disease.
- 4. Make a treatment plan.
- 7.2. Examples of evaluation tools:
- 1.EXAMINATION TICKET (example)
- 1. Contact point. Kinds. 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 the survey.
- 3. Make a comprehensive plan for the treatment and prevention of this disease.
- 7.3. 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. POSSIBILITY OF LEBAB MEASURES IN PERIODONTITIS

laser therapy, removal of dental deposits, elimination of traumatic factors, surgical intervention removal of dental deposits, elimination of traumatic factors, surgical intervention, laser therapy removal of dental deposits, laser therapy, elimination of traumatic factors, surgical intervention removal of dental deposits, elimination of traumatic factors, laser therapy, surgical intervention elimination of traumatic factors, laser therapy, surgical intervention

Situational task in therapeutic dentistry No. 1

Patient T., 63 years old, went to the dentist with complaints of dryness and burning sensation in the mouth, bleeding gums.

From the anamnesis: for almost 7 years she has been using partial removable dentures for the lower and upper jaws. Frequent nosebleeds.

Objectively: the skin is pale, stretching of the corners of the mouth reveals linear erosions covered with translucent soft scales. The red border of the upper and lower lips is dry, hyperemic. In the oral cavity on the dorsal surface of the tongue, the filiform papillae are atrophied. The oral mucosa is edematous,

atrophied, the epithelium is thinned, multiple petechiae and hemorrhages. Teeth 2.3, 3.3 - under stamped crowns, the necks of the teeth are exposed, probing is slightly painful. In the blood test - a sharp decrease in the number of platelets, giant platelets, prolongation of bleeding time.





- 5. Make a preliminary diagnosis.
- 6. Perform differential diagnosis.
- 7. What is the histological picture in this disease.
- 8. Make a treatment plan.

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

8.1. Key literature references

No	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Therapeutic dentistry. Part 2: Periodontal disease: a		33
	textbook for universities 2 / Barer G. M.; Publisher: GEOTAR-Media, 2008	6	
2	Atlas of diseases of the oral cavity / Langle R. P.; Publisher: GEOTAR-Media, 2008	1	32
3	Therapeutic dentistry. Guide to practical exercises: study guide / Maksimovsky Yu. M.; Publisher: GEOTAR-Media, 2011	1	102
4	Therapeutic dentistry: a textbook for students. med. universities / Borovsky E.V.	1	54
5	Publisher: Medical News Agency, 2011	1	5
6	Physiotherapy in the practice of therapeutic dentistry: teaching aid / Lukinykh L.M.; Ed. Nizhny State Medical Academy, 2015	1	33

8.2. Further reading

No	Name according to bibliographic requirements	Number of copies	
		at the department	in the library
1	Dryness in the mouth. Classification. Differential diagnosis. Treatment: textbook / Assumption OA; Ed.: NGMA, 2007	2	37
2	Phantom course of therapeutic Phantom course of therapeutic dentistry / Nikolaev AI; Publisher: MEDpress-inform, 2009	1	96
3	Guidelines for work practice in therapeutic dentistry "Doctor's assistant / Lukinykh L. M.; Ed.: NGMA, 2010	6	65
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. med. Universities / Borovsky E.V.; Publisher: Medical Information Agency, 2011	1	54
7	Test tasks in therapeutic dentistry / Lukinykh L. M.; Ed. Nizhny State Medical Academy, 2013	3	5
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

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

 N_2 Teaching aid, monograph The author(s) Edition

No	Teaching aid, monograph	The author(s)	Edition
1	Catarrhal gingivitis. Etiology, clinic, treatment. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI1992 24p.
2	Reading radiographs of teeth and jaws. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI 1992 27p.
3	Scheme of clinical examination of the patient and writing an academic medical history. (Guidelines for students)	L.M. Lukinykh	Nizhny Novgorod, NGMI 199228p.
4	Periodontal disease (guidelines for students). Part 1	L.M. Lukinykh	Nizhny Novgorod, NGMA. - 199343p.
5	Periodontal disease (guidelines for students). Part 2	L.M. Lukinykh	Nizhny Novgorod, NGMA. - 199346 p.
6	Diseases of the oral mucosa mouth. (Tutorial)	L.M. Lukinykh S.I. Gazhva L.N. Kazarina Yu.N. Livshits MM. Poleshchuk L.V. Shestopalova L.I. Krasulova and others.	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 1993211p.
7	Guidelines for industrial practice for students of the Faculty of Dentistry on the prevention of dental diseases.	L.M. Lukinykh S.I. Gazhva	Nizhny Novgorod, NGMA199416 p.
8	Guidelines for students of the Faculty of Dentistry on the production practice of pediatric dentistry.	L.M. Lukinykh L.N. Kazarina	Nizhny Novgorod, NGMA199418 p.
9	Guidelines for students of the Faculty of Dentistry for practical work in therapeutic dentistry.	L.M. Lukinykh L.N. Kazarina	Nizhny Novgorod, NGMA199531 p.
10	Organization of therapeutic dental care in the armed forces in peacetime and	L.M. Lukinykh	Nizhny Novgorod, NGMA. -199624 p.

	wartime.		
11	Dental caries.	L.M. Lukinykh S.I. Gazhva L.N. Kazarina	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 1996128 p.
12	Guidelines for students of the Faculty of Dentistry to	L.M. Lukinykh L.N. Kazarina	Nizhny Novgorod, NGMA199734p.
13	Treatment and prevention of dental caries. (Tutorial)	L.M. Lukinykh	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 1998168 p.
14	Guidelines for foreign students of the Faculty of Dentistry to work practice in therapeutic dentistry.	L.M. Lukinykh	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 199832 p.
15	Guidelines for students of the 2nd year of the Faculty of Dentistry to the industrial practice "Nurse of a Dental Institution".	L.M. Lukinykh Y.N. Livshits N.N. Shakerova S.R. Sorokin	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 199810 p.
16	Dental caries (etiology, clinic, treatment, prevention).	L.M. Lukinykh	N. Novgorod: 2nd edition, Nizhegorod Publishing House. state med. Academy, 1999185 p.
17	Non-surgical treatment of periradicular jaw cyst. Monograph	L.M. Lukinykh G.D. Ovrutsky Yu.N. Livshits	Library of the practical doctorM.: Medicine1999118s.
18	Apical periodontitis. (Tutorial)	L.M. Lukinykh Yu.N. Livshits	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 199992.S.
19	Pulpitis (Clinic, diagnosis, treatment).	L.M. Lukinykh L.V.Shestopalova	Nizhny Novgorod: Nizhegorod Publishing House. state med. academy, 199988s.
20	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	Nizhny Novgorod: Nizhegorod Publishing House. state med. Academy, 199944 p.
21	Diseases of the oral mucosa.	L.M. Lukinykh L.N. Kazarina S.I. Gazhva L.V.Shestopalova Yu.N.Livshits	Nizhny Novgorod: Nizhegorod Publishing House. state med. academy, 2000p. 57-160.
22	Dental caries (etiology, clinic, treatment, prevention).	L.M. Lukinykh	N. Novgorod: 3rd edition, Nizhegorod Publishing House. state med. Academy, 2001185 p.
23	Pulpitis (Clinic, diagnosis, treatment).	L.M. Lukinykh L.V. Shestopalova	N. Novgorod: 2nd edition, Nizhegorod Publishing House. state med. Academy, 200288s.
24	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 med. Academy, 200344p.
25	Physiotherapy in the practice of therapeutic	L.M. Lukinykh	Nizhny Novgorod,

	dentistry.	O.A. Uspenskaya	NGMA200336p.
26	Reading radiographs of teeth and jaws at various age periods in normal and	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod, NGMA200340p.
	pathological conditions.	O.A. Ospeliskaya	NOMA200340p.
27	Guidelines for production practice in	L.M. Lukinykh	Nizhny Novgorod,
	therapeutic dentistry of childhood for students of the Faculty of Dentistry.	L.N. Kazarina S.Yu. Kosyuga	NGMA200338s.
	students of the faculty of Bentistry.	I.N. Chuprunova	
		M.M. Ratsyuk	
28	Prevention of dental caries and diseases periodontal. Monograph	L.M. Lukinykh	M.: Medical book, 2003 196s.
29	Dental caries. Etiology, clinic, treatment, prevention.	L.M. Lukinykh	N. Novgorod: 4th edition, Nizhegorod Publishing House. state med. 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	L.M. Lukinykh	Nizhny Novgorod, NGMA.
	the Faculty of Dentistry to work practice in therapeutic dentistry.	E.V. Kitaeva	- 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 med.
			Academy, 200492.S.
34	Pulpitis (Clinic, diagnosis, treatment). (Tutorial)	L.M. Lukinykh L.V. Shestopalova	N. Novgorod: 3rd edition, Nizhegorod Publishing House. state med. Academy, 200488C.
35	Dentist and patient: rights, obligations, a responsibility. Monograph	N.N. Bondarenko	M.: Medical book, 2004 96 p.
36	Diseases of the oral cavity.	/ Ed. L.M. Lukinykh	Nizhny Novgorod, Nizhny Novgorod Publishing House. state med. Academy, 2004510s.
37	Civil-legal bases of medical activity. Guidelines	N.N. Bondarenko	Nizhny Novgorod, Nizhny Novgorod Publishing House. state med. 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 med. Academy, 200544p.
39	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 2nd edition, NGMA200536s.
40	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, NGMA200540s.
41	Periodontal disease (clinic, diagnosis, treatment and prevention).	L.M. Lukinykh E.N. Zhulev I.N. Chuprunova	Nizhny Novgorod, Nizhny Novgorod Publishing House. state med. academy, 2005322p.

42	Legal literacy of dentists. Monograph	A.V. Demina	Moscow, Medical Book
	g	G.A. Pashinyan	Publishing House, 2005
		L.M. Lukinykh	160p.
43	Forensic stomatological identification of a	G.A. Pashinyan L.M.	Moscow, Medical Book
	person (state and development prospects).	Lukinykh	Publishing House, 2005
	Monograph	G.N. Karpov	157p.
44	Dental diseases during pregnancy and their	S. M. Tolmacheva	Moscow, Medical Book
	prevention. Monograph	L.M. Lukinykh	Publishing House, 2005
			150p.
45	Dental complications that developed after	L.I. Egorova	Moscow, Medical Book
	radiation and chemoradiotherapy (Clinical	L.M. Lukinykh	Publishing House, 2006
	course, treatment and prevention of		155p.
	candidiasis that developed against the		
	background of mucositis). Monograph.		
46	Physiotherapy in the practice of therapeutic	L.M. Lukinykh	Nizhny Novgorod: 3rd
	dentistry.	O.A. Uspenskaya	edition, NGMA2006
			36s.
47	Reading radiographs of teeth and jaws at	L.M. Lukinykh	Nizhny Novgorod: 2nd
	various age periods in normal and	O.A. Uspenskaya	edition, NGMA200640s.
	pathological conditions.		
48	Establishing the age and gender of a person	G.A. Pashinyan	Moscow, Medical Book
	by the degree of tooth wear, taking into	L.M. Lukinykh	Publishing House, 2007
	account the presence of a number of	A.A. Plishkin	104 p.
	pathological conditions and harmful		
40	working conditions. Monograph	O 4 II 1	NY 1 NY 1
49	Dryness in the mouth. Classification,	O.A. Uspenskaya	Nizhny Novgorod:
	differential diagnosis, treatment	A.A. Plishkin	Publishing House of
		N.V. Kazarina	NizhGMA, 200731 p.
50	Una conital condidicate and bacterial	E.A. Shevchenko	Ni-han Namanada
50	Urogenital candidiasis and bacterial	E.A. Shevchenko A.A. Artifeksova	Nizhny Novgorod:
	vaginosis.	A.A. Artifeksova O.A. Uspenskaya	NizhGMA Publishing House, 200727 p.
51	Dentistry for pregnant women.	O.A. Uspenskaya	Nizhny Novgorod:
31	Dentistry for pregnant women.	E.A. Shevchenko	Publishing House of
		N.V. Kazarina	NizhGMA, 2008 24 p.
52	Clinical and expert assessment of errors	S.I. Gazhva	Nizhny Novgorod:
32	and complications in the practice of a	E.S. Tuchik	Publishing House of
	pediatric dentist.	HER. Abramova	NizhGMA, 2008300 p.
	podanie domisii	N.N. Bondarenko	1 (1211-21) 11 2, 2000. 200 p.
53	Guide to Forensic Dentistry.	Ed. G.A. Pashinyan	M: LLC
54	Scheme of clinical examination of the	L.M. Lukinykh	Medical Information
	patient and writing a medical record of a		Agency, 2009528 p.
	dental patient.		3,
55	Dentist and patient: legal reality.	N.N. Bondarenko	Nizhny Novgorod, Nizhny
			Novgorod Publishing
			House. state med.
			Academy, 2009 72p.
56	Guidelines for the production practice in	L.M. Lukinykh	Moscow, Publishing house
	therapeutic dentistry "Assistant to the	S. M. Tolmacheva	Medical book, Publishing
	dentist's therapist."	L.I. Egorova	house
		E.V. Kitaeva	
57	Apical periodontitis. Tutorial	L.M. Lukinykh	"Dentistry", 2009124 p.
		L.I. Egorova	
58	Methodical Instructions for the clinical	L.M. Lukinykh	Nizhny Novgorod:
	practice in therapeutic stomatology for the	L.I. Egorova	Publishing house of
	3-d year students of the stomatologycal	CM. Tolmacheva	NizhGMA, 201044 p.

	faculty "THE ASSISTANT OF STOMATOLOGICAL THERAPEUTIST".		
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: Nizhny Novgorod Publishing House. state med. Academy, 2010120 p.
60	Guidelines for the production practice in therapeutic dentistry "Assistant to the dentist's therapist."	L.M. Lukinykh CM. Tolmacheva L.I. Egorova E.V. Kitaeva	Nizhny Novgorod: NizhGMA Publishing House, 201035 p.
61	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: Publishing house of NizhGMA, 201040 p.
62	Scheme of clinical examination of the patient and writing a medical record of a dental patient.	L.M. Lukinykh	Nizhny Novgorod, Nizhny Novgorod Publishing House. state med. Academy, 201172p.
63	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh O.A. Uspenskaya	Nizhny Novgorod: 5th edition, NGMA201136s.
64	Physiotherapy in the practice of therapeutic dentistry.	L.M. Lukinykh OA. Uspenskaya E.A. Shevchenko	Nizhny Novgorod: 6th edition, NGMA201252s.
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, NGMA201244p.
66	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, NGMA201344p.
67	Urogenital infection and infertility (monograph)	Shevchenko E.A., Artifeksova A.A., Uspenskaya O.A.	Nizhny Novgorod: Publishing house of NizhGMA, 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: Publishing house of NizhGMA, 2013 272 pages.
70	Optimization of complex treatment of inflammatory periodontal diseases: (monograph)	L.M. Lukinykh, N.V. Kruglova -	N. Novgorod: NizhGMA Publishing House, 2013 - 122 p.; ill.
71	Lichen planus of the oral mucosa: etiology, pathogenesis, clinic, modern methods of treatment (monograph)	Lukinykh L.M., Tiunova N.V.	Nizhny Novgorod: Publishing house of NizhGMA, 2013 116 p.
72	Reading radiographs of teeth and jaws at various age periods in normal and pathological conditions (textbook).	Lukinykh L.M. Uspenskaya O.A.	Tutorial. 6th edition). Publishing house NGMA. Nizhny Novgorod, 2014. 42 p.

73	Physiotherapy in the practice of therapeutic dentistry (educational manual)	Lukinykh L.M. Uspenskaya O.A. Shevchenko E.A.	Teaching aid. 2nd edition. Nizhny Novgorod: NizhGMA Publishing House, 2014.—52 p.
74	Irrigation of the root canal system (educational manual).	Lukinykh L.M., Tiunova N.V., Egorova L.I., Zhdanova M.L., Yartseva A.V.	Publishing house NGMA. Nizhny Novgorod, 2014 36 p.
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	Erythema multiforme exudative (educational manual)	L.M. Lukinykh, O.A. Uspenskaya, E.A. Shevchenko.	Nizhny Novgorod: Publishing house of NizhGMA, 2015 44 p., ill.
78	Chronic recurrent aphthous stomatitis (textbook)	O.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).	Lukinykh L.M., Tiunova N.V., Egorova L.I., Zhdanova M.L., Yartseva A.V.	Publishing house NGMA. Nizhny Novgorod, 2015 60 p.
80	Precancerous diseases of the oral mucosa and the red border of the lips (textbook).	Lukinykh 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 at different age periods in normal and pathological conditions (textbook)	O.A. Uspenskaya, L.M. Lukinykh	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
85	Halitosis. (Tutorial.)	O.A. Uspenskaya, N.V. Tiunova	ISBN 978-5-7032-1077-2.
86	Apical periodontitis (Tutorial).	Lukinykh L.M., Egorova L.I., Tiunova N.V., Zhdanova M.L.	Publishing house NGMA. Nizhny Novgorod, 2016 174p.
87	Orofacial system: the art of clinical diagnosis. (Tutorial).	E.N. Zhulev, V.D. Troshin, O.A. Uspenskaya, N.V. Tiunova.	N. Novgorod, Publishing house of NizhGMA, 2016 88 pages

8.3. Electronic educational resources for teaching academic subjects 8.3.1. Internal Electronic Library System of the University (IELSU)

No	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Internal Electronic Library System (VEBS) PIMU	, , , , , , , , , , , , , , , , , , , ,	individual login	No limited
		collections of tasks, methodological manuals,	and password	
		laboratory work,	from any computer and	
		monographs, etc.)	mobile device	

8.3.2.	Electronic educational resource	ces acquired by the University		
№	Name of the electronic resource	Brief description (content)	Access conditions	Number of users
1	Database "Medicine. Healthcare (VO) and "Medicine. Healthcare (SPO)" as part of the database "Electronic library of a technical university (ELS "Student Consultant"	Textbooks and teaching aids for higher medical and pharmaceutical education.	Access by individual login and password from any computer and mobile device	No limited
2	Database "Doctor's Consultant. Electronic Medical Library»	National guidelines, clinical guidelines, textbooks, monographs, atlases, reference books, etc.	Access by individual login and password from any computer and mobile device	No limited
3	Database "Electronic Library System "Bukap"	Educational and scientific medical literature of Russian publishing houses, incl. translated editions. The collection of subscription publications is formed point by point.	Access by individual login and password from any computer and mobile device. From university computers - access is automatic.	No limited
4	Electronic periodicals in the database "SCIENTIFIC ELECTRONIC LIBRARY eLIBRARY"	Electronic medical magazines	Access - from the computers of the university.	No limited

8.3.3 Open access resources

№	Name of the electronic resource	Brief description (content)	Access conditions
1	Electronic articles and abstracts	Electronic medical magazines	No limited
2	Clinical recommendations of the Ministry of Health of the Russian Federation	Protocols for the management of various dental nosologies	No limited
3	Standards of Care http:www.rspor.ru/	Medical care standards	No limited

4	State Register of Medicines http://www.drogreg.ru/Bases/ WebReestrQuery.asp	List of commonly used drugs	No limited
5	Federal State Institution Scientific Center for Expertise of Medicinal Products of Roszdravnadzor http://www.regmed.ru	Circulation of medicines	No limited
6	Pharmaceutical Information Foundation http://drugreg.ru	Medications	No limited
7	Russian Encyclopedia of Medicines http://rlsnet.ru	Medications	No limited
8	Handbook Vidal. http://www.vidal.ru	Medications	No limited
9	STAR-Dental Association of Russia www.e-stomatology.ru	Guidelines	No limited
10	Website of the Chief Freelance Dentist of the Ministry of Health of the Russian Federation www.msmsu.ru	Laws	No limited
11	Interregional Society of Evidence-Based Medicine Specialists http://www.osdm.org/index.php	Promotion of scientific achievements in medical practice	No limited
12	Moscow Center for Evidence- Based Medicine http://evbmed.fbm.msu.ru/	Server of the Moscow Center for Evidence-Based Medicine and Pharmacotherapy	No limited
13	European Association of Scientists, Educators and Dental Professionals www.ed-academy	Dental education, scientific activity	No limited
14	Russian Medical Academy of Postgraduate Education www.rmappo.ru/	Information about the departments and departments, scientific subdivisions. Selection committee.	No limited
15	American Dental Association of Dentists www.americandental.ru/index.h tml?page=23	International standards and requirements for dental products	No limited

9. Logistics support of discipline.

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

Workshops:

- 1. Dental rooms equipped with the necessary equipment and equipment No. 5
- 2. X-ray room
- 3. Sterilization

Lectures:

1. Set of electronic presentations

Lecture hall, screen, projector, laptop, screen, TV, video camera, slidescope, VCR, PC, video and DVD players, monitors, sets of slides, tables / multimedia visual materials in various sections of the discipline, videos, boards, etc.

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

Tables and albums.

- 1. Classification of caries.
- 2. Classification of pulpitis.
- 3. Classification of periodontitis.
- 4. Classification of periodontal diseases.
- 5. Classification of diseases of the oral mucosa.
- 6. Indexes:
- a) periodontal index PI;
- b) hygiene index according to Fedorov-Volodkina, Green-Vermillion;
- c) simplified index of oral hygiene;
- d) PMA index.
- e) CPITN index
- 7. Endodontics.
- 8. Rules and stages of preparation of carious cavities.
- 9. Flap operation.
- 10. Open curettage.
- 11. Closed curettage.
- 12. The structure of enamel.
- 13. The structure of dentin.
- 14. The structure of cement.
- 15. Artistic restoration of teeth grades 1-6 Black.
- 16. Endodontic manipulations in difficult and impassable, previously sealed (with pastes, gutta-percha) root canals.

Presentations, transparencies, albums, videos:

- 1. Caries and its complications (pulpitis, periodontitis).
- 2. Prevention of caries.
- 3. Periodontal disease (gingivitis, periodontitis, periodontal disease, idiopathic diseases).
- 4. Diseases of the oral mucosa.
- 5. Non-carious lesions of the teeth.
- 6. Anesthesia in the practice of therapeutic dentistry.
- 7. Methods of examination of the patient in the clinic of therapeutic dentistry.
- 8. Carifee dentistry.
- 9. High technologies in the practice of therapeutic dentistry (cofferdam, gutta-percha, Thermophiles, Ribbond, fiberglass pins, etc.).

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 and carious cavities.
- 3. Dry oven, autoclave.
- 4. Germicidal lamp.
- 5. Bixes for sterilization.
- 6. Negatoscope.
- 7. Odontosensimeter, Digitest.
- 8. Apparatus Diathermocoagulator.
- 9 Hydromassage apparatus.
- 10. Ultradent apparatus.
- 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 dental caries and periodontal disease.
- 6. A set of orthopantomograms and intraoral radiographs.
- 7. Treatment, prevention of periodontal diseases and oral mucosa.

Training dummies:

- 1. Teeth with carious 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).
- 7. Phantom jaws and toothbrushes for rational oral hygiene.
- 8. Pig heads for the demonstration of periodontal surgery.

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

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

non-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.

Examples of educational technologies in an interactive form:

№	Section name	Forms of classes using active	
		and interactive educational technologies	
1	Periodontal disease. Gingivitis. Periodontitis. Periodontitis.	Role-playing game	
	Idiopathic diseases.		
2	Prevention of dental diseases	Seminar-discussion	
3	Methods of examination of the patient. Dental and medical	business game	
	documentation.		
4	Pathology of hard tissues of the tooth of non-carious origin	Role-playing game	
5	Dental caries	Role-playing game	
6	Prevention of dental caries	Seminar-discussion	
7	Treatment of dental caries	Role-playing game	
8	Pulpitis	Seminar-discussion	
9	Periodontitis	Seminar-discussion	
10	Diseases of the oral mucosa	Lecture - visualization	
11	Physical methods in the treatment and prevention of dental	Lecture - visualization	

	diseases	
12	Periodontal disease. Gingivitis. Periodontitis. Periodontitis. Idiopathic diseases.	Role-playing game

Role play design. The methodology of the game can be demonstrated on the example of simulating a clinical situation - generalized periodontitis of varying severity (it can be mild, moderate or severe). 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 generalized periodontitis, of varying severity;
- instructing participants: the moderator (the role of a teacher or educator) names the topic of the lesson, determines its significance, draws students' attention to the need to highlight five competencies (especially legal aspects) that should be analyzed on this particular topic.
- distribution of roles, determination of the peculiarities 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 select 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 generalized periodontitis. 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 - generalized periodontitis of a certain severity.

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 (X-ray, osteometry, Kulazhenko test, etc.) 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 generalized periodontitis.

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, enables participants to defend individual positions, determines the level of assimilation of knowledge, professional skills and abilities on a given topic.

Seminar-discussion

Preparatory stage.

During the preparation period (7–10 days before the seminar), during independent work, a speaker, cospeaker 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 appointed to lead the seminar.

His responsibilities include:

- compliance with the time limit for each question;
- management of the discussion of the issue (whom to give the floor for the report, ensuring order and discipline in the discussion of the issue);
- 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, takes his place at two tables facing 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 the organization of work at such a seminar is the following: trainees should solve the problems posed by themselves as often as possible.

Speaking about the method of setting questions and answering them, it should be noted that the person asking the question 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 have not received 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, participants are introduced to the meaning, goals and objectives of the game being played, the general rules, consulting and briefing. However, if necessary, the game may be preceded by a lecture or conversation on the topic "Methods of examining a patient. 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, lecture plans and practical classes, schedules, a list of practical skills and abilities of the student, questions for exams, etc.

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

Ite	Software	number of	Type of software	Manufacture r	Number in the unified	Contract No. and date
m no.		licenses			register of Russian software	
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovic h	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLO GIES"	283	without limitation, with the right to receive updates for 1 year.
3	LibreOffice		Office Application	The Document Foundation	Freely distributed software	
4	Windows 10 Education	700	Operating systems	Microsoft	Azure Dev Tools for Teaching Subscriptio n	
5	Yandex. Browser		Browser	«Yandex»	3722	

6	Subscription to				23618/HN100
	MS Office Pro				30 LLC
	for 170 PCs for				"Softline
	FGBOU VO				Trade" from
	"PIMU" of the				04.12.2020
	Ministry of		Office		
	Health of Russia	170	Application	Microsoft	

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