

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



APPROVED

Vice-Rector for Academic Affairs

E.S. Bogomolova

31 August 2021

WORKING PROGRAM

Name of the academic discipline: **Features of the Course and Treatment of Diseases of the Oral Mucosa in Children (elective discipline)**

Specialty: **31.05.03 Dentistry**

Qualification: **Dentist**

Department: **Pediatric Dentistry**

Mode of study: **Full-time**

Labor intensity of the academic discipline: **72 academic hours**


Nizhny Novgorod
2021

The working program has been developed in accordance with the Federal State Educational Standard for the specialty 31.05.03. "Dentistry", approved by Order of the Ministry of Science and Higher Education of the Russian Federation No. 988 of August 12, 2020

Developers of the working program:

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The program was reviewed and approved at a meeting of the Department of Pediatric Dentistry, protocol No. ____ dated 01 June 2021

Head of the Department of Pediatric Dentistry, MD, Associate Professor Kosyuga Svetlana Yurievna  (print name)

(signature)

01 June 2021

AGREED
Deputy Head of EMA

 Lovtsova L.V.
(signature)

01 June 2021

1. Goals and objectives of mastering the discipline

The discipline of pediatric dentistry is particularly complex and multi-component, where the specialist acts like a dentist and thinks like a pediatrician, so the preparation of such a doctor requires maximum efforts, time and energy. Children's age has many features both in the manifestation and course of pathological processes in the maxillofacial region, and in methods of treatment. The dentist is required to know the age-related anatomy and physiology of the child; the ability to understand the manifestations of pathology at different ages; the ability to choose methods for the prevention of dental diseases in children and determine the timing of their conservative or surgical treatment.

The therapeutic section of pediatric dentistry combines a number of oral diseases in children and adolescents (periodontal tissue diseases, pathology of the oral mucosa and tongue), which are subject to conservative or surgical treatment. Often this complex etiopathogenetic treatment is carried out with the participation of various additional specialists (orthodontists, orthopedists, gastroenterologists, allergists, etc.).

Practical skills acquired at the Department of Pediatric Dentistry, are the basis for all subsequent creative activity of a dentist.

1.1. Target disciplines.

The elective discipline program is aimed at an in-depth study of pediatric dentistry preparation of a dentist for independent professional activities in outpatient practice and the provision of medical, diagnostic, preventive, advisory, organizational assistance to children with major dental diseases and injuries of the maxillofacial region, taking into account the individual and anatomical and physiological characteristics of the child's body using modern achievements of medical science and practice.

Theoretical knowledge and manual skills acquired in the preclinical course allow for a deeper and more complete mastering of the diagnosis and treatment of major dental diseases in children, taking into account the anatomical and physiological characteristics of the child's body and their impact on the clinical course of major dental diseases in children and adolescents.

For better assimilation of theoretical material and practical skills, the educational process is as close as possible to the real work environment at a pediatric dental appointment, both in the therapeutic and surgical sections of pediatric dentistry and pediatric maxillofacial surgery.

Practical classes are held both on phantoms and simulators, and in direct work with children with major dental diseases, as well as with their parents, which is of great importance in the formation of competencies in the preventive, diagnostic, therapeutic, psychological and pedagogical activities of the future dentist children's and allows students to acquire the appropriate manual skills.

1.2. The tasks of studying the discipline:

- to acquaint the student with the anatomical and physiological characteristics of the child's body, their influence on the clinical course of the main dental diseases in children and adolescents;
- to acquaint with the features of the clinical course, diagnosis and treatment of these diseases, their outcomes depending on the age of the child, the possibilities of rehabilitation after illnesses (medical and social) and ways of its implementation;

- to acquaint the student with the methods of prevention of major dental diseases;
 - to teach the student to perform individual medical manipulations;
 - teach students how to communicate with children and adolescents of different ages and their relatives and interaction with the team and colleagues;
 - familiarization of students with the organization of work with medications and compliance with the rules for their storage in the nursery dental clinic
 - familiarization of students with office work in the nursery dental clinic

As a result of studying the discipline

STUDENT SHOULD KNOW:

- stages of development of pediatric dentistry, the role of leading scientists in the development of the discipline, the basics of organizing dental care for children in the Russian Federation.
- principles of dental office equipment for children's dental appointments;
- features of the anatomical structure of the teeth, soft tissues of the face, jaw and facial bones in childhood;
 - physiological characteristics of individual organs and systems of the child's body;
 - examination methods that allow diagnosing diseases of the teeth, oral mucosa and periodontal disease in children of different age and sex groups, taking into account their anatomical and physiological characteristics;
- features of the clinical manifestation of the main dental diseases teeth, oral mucosa and periodontium in children and adolescents;
- substantiation of patient management tactics, methods of treatment and prevention, determination of the prognosis of diseases of the teeth, oral mucosa and periodontal disease in children of different age and sex groups, taking into account their anatomical and physiological characteristics;
- the main methods of therapeutic treatment for diseases of the teeth, oral mucosa and periodontal disease in children of different age and sex groups, taking into account their anatomical and physiological characteristics;
- possible errors and complications arising in the treatment of caries, its complications, dental diseases of non-carious origin, their elimination and treatment in children;
- features of the clinical manifestation of the main surgical dental diseases and injuries of the maxillofacial region in children and adolescents;
- existing methods of diagnosis and treatment, main dental diseases and injuries of the maxillofacial area in children and adolescents, methods of their prevention and ways of rehabilitation of the child in different age periods;
- principles of medical examination of children with diseases and injuries of the maxillofacial region in a pediatric dental clinic.
- basics of planning, implementation, evaluation of the effectiveness of the program for the prevention of dental diseases among the child population.
- the influence of hereditary and environmental factors on the occurrence of major dental diseases in children;
- principles of medical examination, organizational forms of carrying out planned sanitation of the oral cavity in children;
- principles of diagnosis, treatment and prevention of dental anomalies in childhood;

STUDENT SHOULD BE ABLE TO:

- conduct a survey of children of different age groups;
- establish psychological and verbal contact with a healthy and sick child;
- establish emotional and psychological contact with the child and his parents;

- evaluate the neuropsychic development of the child, his physical and intellectual development;
- draw up a medical card of the primary patient;
- conduct studies of the skin, visible mucous membranes, oral mucosa, pharynx;
- record the dental formula of permanent and temporary teeth in accordance with the international designation system;
- determine the hygienic state of the oral cavity using the Fedorov-Volodkina, Green-Vermillion, RNR, etc. indices;
- determine the intensity of caries using the indexes KPU, KP of teeth and surfaces;
- determine the state of periodontal tissues using CPI, PMA, etc.;
- to carry out diagnostics and differential diagnostics in diseases of the teeth, oral mucosa and periodontal disease in children;
- prepare carious cavities of IV classes in teeth of temporary, mixed and permanent bites (on phantoms, models, in patients);
- to fill carious cavities of all classes on phantoms and models with filling materials of various groups of temporary, mixed and permanent bites;
- carry out the necessary endodontic measures in the teeth of temporary, mixed and permanent bites (on phantoms, models, in patients, on extracted teeth with formed and unformed roots);
- carry out methods of vital staining of enamel demineralization foci;
- cover teeth with fluoride-containing gel and varnish;
- carry out sealing of fissures of teeth;
- carry out filling of all types of carious cavities with modern filling and restoration materials;
- to restore the anatomical shape of the tooth with various filling materials;
- carry out the imposition of medical, insulating pads;
- to carry out a biological method of pulp treatment in permanent teeth;
- carry out pulpotomy with medications in temporary teeth;
- carry out vital amputation of the pulp in permanent teeth;
- carry out pulp devitalization with necrotic and mummifying pastes in temporary teeth;
- carry out the extirpation of the pulp;
- determine the "working" length of the root canal (clinical, electronic and radiovisiographic method) in temporary and permanent teeth;
- carry out the removal of the decay of the root and crown pulp with periodontitis in formed and unformed teeth;
- to carry out apexification in permanent teeth with stopped root formation;
- carry out instrumental and antiseptic treatment of the root canal;
- seal the root canals of the teeth with pastes, gutta-percha, hard pins;
- remove supra- and subgingival mineralized dental deposits;
- prescribe and use drugs in the age dosage;
- prescribe vitamin therapy, immunomodulatory therapy and medications that stimulate the nonspecific defense of the child's body;
- read survey radiographs of the jaw bones, orthopantomograms, panoramic and intraoral radiographs, contrast radiographs;
- identify children with severe dentoalveolar anomalies and deformities and refer them to an orthodontist to provide specialized assistance and take them to a dispensary;
- to carry out application anesthesia;
- carry out resuscitation;
- evaluate the results of various methods of examination of patients with diseases of the teeth, oral mucosa and periodontal disease in children;

- conduct hygiene classes with children and their parents in outpatient settings, in childcare facilities and schools.
- draw up a medical record of the primary surgical patient;
- assess the neuropsychic development of the child, physical and intellectual development, his general condition;
- explain the specifics of the clinical course of various inflammatory diseases and injuries of the maxillofacial region (MFA), based on the anatomical and physiological characteristics of the child's body;
- observe sanitary standards, use personal protective equipment correctly;
- assess the child's condition based on the examination data and the results of additional research methods, taking into account the diagnosis;
- choose the method of anesthesia depending on the type and volume of surgical intervention;
- provide emergency assistance in emergency situations;
- decipher intraoral (sight) radiographs and radiographs of the bones of the facial skeleton (in frontal and lateral projections, panoramic, orthopantomograms);
- perform an operation to remove a temporary and permanent tooth in children according to various indications;
- to carry out differential diagnostics of various inflammatory diseases among themselves and with other diseases;
- determine the place of treatment of the child (clinic, hospital) and the amount of surgical care;
- to conduct a differential diagnosis of inflammatory diseases of the salivary glands among themselves and with diseases of the maxillofacial area similar in clinical course;
- draw up a scheme for the examination, treatment and medical examination of children with chronic nonspecific parenchymal parotitis and salivary stone disease;
- conduct a survey of patients with pathology of the temporomandibular joint (TMJ) according to a certain algorithm;
- choose the most informative methods of additional examination of children with primary bone and functional diseases of the TMJ;
- make a preliminary diagnosis and draw up a plan for the examination and treatment of children with primary bone and functional diseases of the TMJ;
- assess the child's condition based on the examination data and the results of additional research methods, taking into account the diagnosis;
- provide emergency pre-hospital care for various types of trauma to the maxillofacial area, determine the associated injury, indications for hospitalization;
- to carry out differential diagnostics of various tumors and tumor-like formations of soft tissues and bones of the maxillofacial area in children;
- choose the most informative method of additional research for various nosological forms;
- make a preliminary clinical diagnosis and refer the child to a specialized medical facility;
- determine the indications for operations cystotomy and cystectomy for odontogenic inflammatory cysts of the upper and lower jaw, determine the place of treatment of the child (clinic, hospital);
- make a preliminary diagnosis after a clinical examination of children with congenital pathology of the maxillofacial area;
- draw up a treatment and medical examination plan for a specific patient with congenital pathology, indicating the specialists involved in the medical and social rehabilitation of such patients;
- determine the indications for outpatient operations for congenital pathology of the oral mucosa (logopedic, orthodontic) depending on the age of the child.

STUDENT SHOULD OWN:

- methods for examining a child in a dental clinic (external examination, palpation of regional lymph nodes, examination of the temporomandibular joint, examination of the mouth);
- ability to draw up medical documentation;
- methods of application, infiltration anesthesia on the upper jaw; infiltration and conduction anesthesia in the lower jaw in children and adolescents;
- methods of preparation, mechanical and drug treatment and filling of carious cavities
- methods of mechanical and drug treatment of root canals
- Root canal filling techniques
- methods of treatment of caries, pulpitis, apical periodontitis in children and adolescents
- methods of treatment of non-carious lesions of hard dental tissues
- methods of treatment of periodontal diseases
- methods of treatment of diseases of the oral mucosa and lips
- methods of professional oral hygiene
- remotherapy techniques
- fissure sealing techniques
- to carry out the operation of removing a temporary and permanent tooth in children according to various indications;
- provide emergency care in emergency conditions (fainting, collapse, shock) at a children's surgical outpatient appointment;
- conduct bimanual palpation of the temporomandibular joint, clinical examination of the function of the joints (opening the mouth, displacement of the lower jaw, sound symptoms of disorders, etc.);
- to suture the skin and mucous membrane of the oral cavity with PHO (primary surgical treatment);
- to make splints-kappa from quick-hardening plastic,
- to produce a wire-composite tire;
- conduct an external examination of the maxillofacial area, trunk, extremities, palpation of the maxillofacial area, examination of the mouth (the condition of the mucous membrane, alveolar processes, tongue, soft and hard palate, position of the teeth, palpation examination of soft tissues, jaw and facial bones to identify signs of tumor growth (presence of pigmented spots on the skin, vascular pattern, symptoms of compression, pouring, etc.);
- conduct an external examination of the face and neck for the detection of congenital malformations of the maxillofacial area;
- resolve the issue of hospitalization of the child and issue a referral to a specialized institution.

To fulfill this position, the teacher sets himself the following tasks:

1. By your personal example, demeanor, appearance, examination technique and communication with the patient - to demonstrate the student the basic provisions that must be observed in communication with the patient, the ability to get in touch with him.
2. Demonstrate in practice a sample of consistent methodical examination of the child, as far as possible to show 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 conducting health education work (issuing health bulletins, brochures, writing lectures and conversations on topical dental topics for patients).

6. The study of diseases of hard tissues of the tooth, pulp, periodontium, 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, with an emphasis 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 PLO VO organization.

2.1. Pediatric Dentistry refers to the section of professional disciplines of the educational standard of higher medical education.

Elective discipline: "Peculiarities of the course and treatment of diseases of the oral mucosa in children" is studied by students of the Faculty of Dentistry in the 5th year. The discipline includes a training module: therapeutic pediatric dentistry

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

2.2.1. Foreign language

Knowledge - General medical terms in English and Latin. Dental medical terms in English and Latin.

Skills - understand dental medical terms in English and Latin.

Skills – use common medical and dental medical terms in English and Latin.

2.2.2 Human anatomy.

Knowledge - the anatomical structure, blood supply and innervation of the maxillofacial region in children of different ages.

Skills - to evaluate the bite of its types at different age periods, the anatomical structure of temporary and permanent teeth and MFR in children.

Skills - to determine the norm and pathology of bite in children of different ages, to determine the timing of eruption of temporary and permanent teeth.

2.2.3. Histology and Embryology.

Knowledge - histology of the oral cavity and teeth, embryology of the oral cavity and teeth.

Ability to determine the histological structure of oral tissues.

Skills - to identify histological changes in the tissues of the oral cavity in normal and pathological processes.

2.2.4. normal physiology.

Knowledge - the functions of teeth and their role in the body.

Skills - to identify changes in the tooth pulp, periodontal inflammation and age-related changes.

Skills - methods for registering pain in dental caries and its complications.

2.2.5. Microbiology.

Knowledge - Microflora of the oral cavity. Infection. Physiology of microorganisms. Immunity.

Skills - methods of taking swabs and scrapings of the microflora of the oral cavity.

Skills - to determine the microflora of the oral cavity in normal and pathological conditions.

2.2.6. Biochemistry.

Knowledge - Properties and composition of saliva. Amino acids of hard tissues of teeth and pulp. Protein metabolism in hard tissues of teeth.

Skills - to identify changes in the composition and properties of saliva, changes in the structure of hard tissues of teeth.

Skills - to determine the pH of saliva, the remineralizing ability of saliva, the permeability of hard dental tissues.

2.2.7. 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.

2.2.8. 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.

2.2.9. Pharmacology.

Knowledge - Antiseptics in the pediatric dentistry clinic.

Enzymes. Antibiotics. Antimicrobial and antiparasitic agents. Means that affect tissue metabolism. Antiallergic drugs. 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.

2.2.10. Topographic anatomy and operative surgery.

Knowledge - topographic anatomy of the head and neck.

Skills - to determine the spread of purulent infection, ways of spreading metastases.

Skills - to identify the area of spread of inflammation, to identify the area of spread of the tumor process

2.2.11. Pediatrics

Knowledge - Features of the physical and mental development of the child. Features of nutrition of children of the first year of life, children of preschool and school age.

Skills - to assess the physical and mental development of the child, to determine the nature of the child's nutrition.

Skills - to identify deviations in the physical and mental development of the child, to propose a scheme for rational nutrition of the child in different age periods for the formation of oral health.

2.2.12 Propaedeutic dentistry

Knowledge – Prevention of caries and non-carious lesions.

Prevention of periodontal diseases.

Prevention of diseases of the oral mucosa.

Skills - to evaluate the values and criteria of oral hygiene indices, as well as indices and criteria for the prevalence and intensity of major dental diseases.

Skills - to determine the indexes of assessment of oral hygiene.
 Indices and criteria for assessing the prevalence and intensity of major dental diseases.

2.2.13. Therapeutic dentistry

Knowledge - clinic, diagnosis and treatment of major dental diseases in children and adolescents.

Skills - to assess the state of the oral cavity in children and adolescents with major dental diseases and choose treatment tactics.

Skills – to diagnose and treat major dental diseases in children and adolescents.

2.2.14 Surgical dentistry and maxillofacial surgery

Knowledge - Features of anesthesia in surgical dentistry.

Inflammatory diseases and traumatic injuries of the maxillofacial region. Reconstructive and plastic surgery in the face and neck.

Skills - to determine the methodology for anesthesia in surgical dentistry, to determine the tactics for inflammatory diseases and traumatic injuries of the maxillofacial region.

Skills - to perform anesthesia in the maxillofacial region, provide dental care for inflammatory diseases and traumatic injuries of the maxillofacial region.

2.2.15. Orthopedic dentistry (orthodontics and pediatric prosthetics)

Knowledge - Organization of orthodontic care for children. Types of dental anomalies. Classifications. Etiology.

Skills - to assess the state of bite in children of different ages.

Skills - to conduct an examination of children with orthognathic bite and dentoalveolar anomalies, to diagnose and treat dentoalveolar anomalies.

3. Requirements for the results of mastering the program of the discipline of choice: "Peculiarities of the course and treatment of diseases of the oral mucosa in children."

As a result of mastering the program of the discipline of choice: “Peculiarities of the course and treatment of diseases of the oral mucosa in children”, the student develops competencies:

Universal:

UK-1. The ability to carry out a critical analysis of problem situations based on a systematic approach, to develop an action strategy.

Professional:

PC-1. Ability to diagnose dental diseases and pathological conditions of patients.

PC-2. Ability to take measures to prevent dental diseases.

PC-5. Application of the basic principles of organizing the provision of dental care in medical organizations and their structural divisions.

PC-6. Carrying out diagnostics of dental diseases and pathological conditions of patients.

PC-8. Conducting a medical examination.

PC-9. Treatment of patients with dental diseases.

PC-12. Participation in solving research and scientific-applied problems in the field of health and medical sciences.

4. The results of mastering the discipline and indicators of achieving competence.

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

No . p / p	Comp etency Code	The content of the competence (or part of it)	Code and name of the indicator of achievement of competence	As a result of studying the discipline, students should:		
				Know	Be able to	Own
on	UK-1	The ability to	ID-1 UK-1. Able to	basic	analyze the	clinical

e.		abstract thinking, analysis, synthesis.	carry out a critical analysis of problem situations based on a systematic approach, develop an action strategy	principles and algorithms for the analysis and synthesis of information in the professional medical activity of a pediatric dentist	situation and systematize the information data received for each specific clinical case in pediatric dentistry	thinking, synthesis of the obtained data and analysis of the situation depending on the specific clinical case in pediatric dentistry
2.	PC-1	Ability to diagnose dental diseases and pathological conditions of patients	ID-1. PC-1. The ability and readiness to implement a set of measures aimed at maintaining and strengthening health and including the formation of a healthy lifestyle for the patient (their relatives / legal representatives). Prevention of the occurrence and (or) spread of dental diseases, their early diagnosis, identification of the causes and conditions for the occurrence and development, as well as prevention.	the basics of carrying out preventive measures to form the dental health of children and adolescents, the influence of hereditary factors and environmental factors on the occurrence of major dental diseases among the child population.	conduct lectures, talks, discussions about the factors affecting the dental health of children and adults, the causes of major dental diseases among children and adolescents, measures to prevent dental diseases in the family and in society.	methods of dental education, methods of auditory, speech, illustrative motivation for the formation of dental health of children and their parents.

3.	PC-2	Ability to take measures to prevent dental diseases	ID-1 PC-2. The ability and willingness to conduct preventive medical examinations, medical examinations of various categories of citizens and the implementation of dispensary observation of patients with dental pathology	the basics of planning and conducting preventive medical examinations, medical examinations and the implementation of dispensary observation of children and adolescents with dental pathology.	conduct preventive medical examination and carry out dispensary observation of children and adolescents with dental diseases.	methods of preventive dental examination of the maxillofacial area in children and adolescents of different ages and methods of dispensary observation in children and adolescents with different nosological forms of dental diseases.
4.	PC-5	Application of the basic principles of organizing the provision of dental care in medical organizations and their structural divisions.	ID-1 PC-5. The ability and willingness to use social and hygienic methods for collecting and medical and statistical indicators of dental morbidity, indicators of the quality of dental care.	Rules for registration and features of maintaining medical records, including in the form of an electronic document, in medical organizations of a dental profile. Rules of work in medical information systems and information and telecommunication network "Internet".	Prepare work plan and work report. Fill in medical documentation, including in the form of an electronic document, and control the quality of its maintenance. To analyze the medical and statistical indicators of the incidence of dental	Drawing up a work plan and a report on their work. Maintaining medical records, including in the form of an electronic document. Monitoring the performance of official duties by medical personnel. The use of information systems in the field of

				<p>Job responsibilities of medical workers in medical organizations of the dental profile. Organization of the work of dental offices, equipment and equipment of dental offices, departments and clinics. Labor protection, safety and fire safety requirements, emergency procedures.</p>	<p>diseases. To use information systems in the field of healthcare and the information and telecommunications network "Internet" in their work. Supervise the performance of the duties of the medical staff at their disposal. Use in the work of personal data of patients and information constituting a medical secret.</p>	<p>healthcare and the information and telecommunication network "Internet". Use in the work of personal data of patients and information constituting a medical secret.</p>
5.	PC-6	Carrying out diagnostics of dental diseases and pathological conditions of patients.	ID-1 PC-6. The ability to determine in patients the main pathological conditions, symptoms, syndromes of dental diseases, nosological forms in accordance with the International Statistical Classification of Diseases and Related Health Problems, X view.	pathological physiology and pathological anatomy, clinic, diagnostics and differential diagnostics, nosological forms of the main dental diseases in children and adolescents in accordance with ICD-10.	to determine in patients the main pathological conditions, symptoms, syndromes, nosological forms of dental diseases in children and adolescents.	methods determination of pathological conditions, symptoms, syndromes of dental diseases and their nosological forms in children and adolescents.
6.	PC-8	Conducting a	ID-1. PC-8.	The proce-	Determine	Conduct-

		medical examination	Willingness to conduct an examination of temporary disability, participate in a medical and social examination, ascertain the biological death of a person	<p>procedure for issuing certificates of incapacity for work. Medical indications for referral for medical and social examination.</p> <p>Requirements for the preparation of medical documentation.</p>	<p>the signs of temporary care for a sick child suffering from a dental disease.</p> <p>Prepare medical documentation for referral of children with dental diseases to federal state institutions of medical and social expertise.</p>	<p>ing an examination of temporary disability to care for a sick child suffering from a dental disease.</p> <p>Registration of the necessary medical documentation for conducting a medical and social examination in federal state institutions of medical and social examination.</p> <p>Referral of children and adolescents with dental diseases for medical and social expertise.</p> <p>Issuance of a certificate of incapacity for work, including to persons caring for a sick family member.</p>
7.	PC-9	Carrying out	ID-1. PC-9. Willing-	Indications	Determine	She has

		<p>treatment of patients with dental diseases</p>	<p>ness to determine the need for the use of natural healing factors, drug, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment</p>	<p>and contraindications for the use of natural healing factors, drug, non-drug therapy and other methods in children and adolescents with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment; efficacy and safety of non-drug therapy; features of the interaction of methods of non-drug therapy in patients with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment; algorithm for performing physiotherapy procedures.</p>	<p>the indications and contraindications for the use of natural healing factors, drug, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment; evaluate the effectiveness and safety of non-drug therapy; to analyze the features of the interaction of methods of non-drug therapy in patients with diseases of the maxillofacial region in need of medical rehabilitation and spa treatment</p>	<p>practical experience in: determining indications and contraindications for the use of natural healing factors, drug, non-drug therapy and other methods in children and adolescents with diseases of the maxillofacial region who need medical rehabilitation and spa treatment; evaluation of the effectiveness and safety of non-drug therapy; analysis of the features of the interaction of methods of non-drug therapy in patients with diseases of the maxillofacial region in need of</p>
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						medical rehabilitation and spa treatment; performing physiotherapy procedures.
8.	PC-12	Participation in solving research and scientific-applied problems in the field of health and medical sciences.	ID-1. PC-12. 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.	Fundamentals of evidence-based medicine; the main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information; basic principles of medical research.	Search for medical information based on evidence-based medicine; interpret the data of scientific publications; critically evaluate modern methods of diagnosis, prevention and treatment of diseases from the perspective of evidence-based medicine; justify your choice of methods for diagnosing, preventing and treating dental diseases; prepare a presentation for the public presentation of medical information, the results of scientific	Has practical experience: Development of algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine; search and interpretation of medical information based on evidence-based medicine; public presentation of medical information based on evidence-based medicine;

					research.	partial participation in scientific research.
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5. Volume of academic discipline and types of educational work

The total complexity of the discipline is 2 credits. units (72hours)

Type of study work	Volume of hours
Lectures, Seminars, Practical exercises using DOT and EOS	44
Independent work of the student	28

5.1. Distribution of topics of lectures and practical classes using DOT and EOS:

SEMESTER 10 THERAPEUTIC DENTISTRY OF CHILDREN	
Anatomical and physiological features of the structure of the oral mucosa in children of different ages. Classification of diseases of the oral mucosa. Prevention of diseases of the oral mucosa in children and adolescents, forms and methods of prevention. Methods of examination of children with diseases of the oral mucosa.	6
Traumatic injuries of the oral mucosa in children. Features of the clinical picture, diagnosis, differential diagnosis, modern methods of treatment.	7
Viral oral infections in children. Acute herpetic stomatitis in children. Chronic recurrent herpes. Clinic, diagnostics, differential diagnostics, modern methods of treatment. Prevention.	7
Candidiasis. Etiology, pathogenesis, diagnosis, differential diagnosis, modern methods of treatment. Prevention.	6
Manifestations of acute infectious diseases on the oral mucosa in children. Differential diagnosis, principles of treatment. Manifestations of HIV on the oral mucosa in children and adolescents.	6
Allergy manifestations on the oral mucosa in children, diagnosis, differential diagnosis, modern methods of treatment. Manifestations in the oral cavity in children with somatic diseases: gastrointestinal tract; endocrine system; blood diseases; of cardio-vascular system.	6
Cheilitis. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, treatment. Glossitis. Etiology, pathogenesis, clinic, diagnostics, differential diagnostics, treatment.	6
TOTAL	44

** types of independent work: work with literary and other sources of information on the section under study, including in an interactive form, performing tasks provided for by the work program (group and (or) individual) in the form of writing case histories, abstracts,*

essays, preparing reports, speeches; preparation for participation in classes in an interactive form (role-playing and business games, trainings, game design, computer simulation, discussions), work with electronic educational resources posted on the educational portal of the University, preparation of term papers, etc.

5.2. Distribution of student independent work (SIW) by types:

No.	Name of the type of independent work of students	Volume in Ah	
		Semester	AF
1	<p>Work with lecture material, providing for the study of lecture notes and educational literature;</p> <ul style="list-style-type: none"> - 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 “Tumors and tumor-like formations of the maxillofacial region in children. Methods of treatment. Clinical examination and rehabilitation» 	9	28

** types of independent work: work with literary and other sources of information on the section under study, including in an interactive form, performing tasks provided for by the work program (group and (or) individual) in the form of writing case histories, abstracts, essays, preparing reports, speeches; preparation for participation in classes in an interactive form (role-playing and business games, trainings, game design, computer simulation, discussions), work with electronic educational resources posted on the educational portal of the University, preparation of term papers, etc.*

6. Summary in didactic units

p / no.	Competency Code	Name of the discipline section	The content of the section in didactic units
1.	UK-1 GPC-11 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Anatomical and physiological features of the structure of the oral mucosa in children of different ages.	Anatomical and physiological features of the structure of the oral mucosa in children of different ages. Prevention of diseases of the oral mucosa in children and adolescents, forms and methods of prevention. Methods of examination of children with diseases of the oral mucosa. Preparation of medical documentation.
2.	UK-1 PC- 1 PC- 2 PC-5 PC-6 PC-8	Features of the course and diagnosis of traumatic injuries of the oral mucosa in children of different ages.	Features of clinical manifestations, diagnosis and differential diagnosis of various traumatic injuries of the oral mucosa in children and adolescents. Methods of treatment of injuries of the oral mucosa in children, depending on the type and

	PC-9 PC-12		duration of the traumatic factor.
3.	UK-1 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Features of the course, diagnosis and treatment of lesions of the oral mucosa in viral and bacterial infections in children.	Features of the clinical picture of lesions of the oral mucosa in children with viral and bacterial infections. Diagnostic methods and differential diagnosis of viral and bacterial infections and their manifestations on the oral mucosa in children. Methods of treatment of lesions of the oral mucosa in children with viral and bacterial infections and their prevention.
4.	UK-1 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Features of the course and treatment of lesions of the oral mucosa in children with specific infections.	Features of the clinical picture of lesions of the oral mucosa in children with specific infections. Diagnostic methods and differential diagnosis of specific infections and their manifestations on the oral mucosa in children. Methods of treatment of lesions of the oral mucosa in children with specific infections and their prevention.
5.	UK-1 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Features of the course and treatment of lesions of the oral mucosa in children caused by allergic reactions.	Features of the clinical picture of lesions of the oral mucosa in children with allergic reactions and general somatic diseases with an allergic component. Methods of diagnosis, differential diagnosis and treatment of lesions of the oral mucosa in children with allergic reactions and general somatic diseases with an allergic component.
6.	UK-1 CPC-11 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Features of the course and treatment of lesions of the oral mucosa in children with general somatic pathology.	Features of the clinical picture of lesions of the oral mucosa in children with diseases of various organs and systems (cardiovascular, nervous systems, diseases of the gastrointestinal tract, blood, skin, etc.). Methods of diagnosis, differential diagnosis and treatment of diseases of the mucous membrane of the mouth and lips in children with diseases of various organs and systems.
7.	UK-1 PC- 1 PC- 2 PC-5 PC-6 PC-8 PC-9 PC-12	Features of the course and treatment of diseases of the mucous membrane of the tongue and the red border of the lips in children.	Features of the clinical picture of glossitis and cheilitis in children. Methods of diagnosis, differential diagnosis and treatment of diseases of the mucous membrane of the tongue and lips in children

SUBJECTS OF SUMMARY

1. Anatomical and physiological features of the structure of the oral mucosa in children in different age periods.
2. Primary and secondary elements of lesions of the oral mucosa.
3. Principles of prevention of viral diseases of the oral mucosa in children.

4. Principles of prevention of candidiasis of the oral mucosa in children
5. Manifestations of infectious mononucleosis in children. Diagnosis, differential diagnosis, principles of treatment.
6. Manifestations of diphtheria in the oral cavity in children. Diagnosis, differential diagnosis, principles of treatment.
7. Manifestations of scarlet fever in the oral cavity in children. Diagnosis, differential diagnosis, principles of treatment.
8. Manifestations of drug-induced stomatitis in the oral cavity in children. Diagnosis, differential diagnosis, principles of treatment.
9. Acute and chronic mechanical trauma of the oral mucosa in children. Clinical manifestations, diagnosis, methods of treatment.
10. Features of the clinical picture of lesions of the oral mucosa in children with diseases of the gastrointestinal tract.
11. Features of the clinical picture of lesions of the oral mucosa in children with blood diseases.
12. Differential diagnosis of acute inflammatory diseases of the oral mucosa.
13. Methods of treatment of lesions of the oral mucosa in children with specific infections (tuberculosis, syphilis) and their prevention.
14. New drugs in the treatment of viral diseases of the oral mucosa in children.
15. New drugs in the treatment of candidiasis of the oral mucosa in children
16. Treatment of lesions of the oral mucosa in children with allergic reactions and general somatic diseases with an allergic component.
17. Methods of examination of children with diseases of the oral mucosa.
18. Methods for the diagnosis and treatment of tongue glossitis in children.
19. Methods of diagnosis and treatment of cheilitis in children.
20. Methods of treatment of injuries of the oral mucosa in children, depending on the type and duration of the traumatic factor.

QUESTIONS FOR SELF-EDUCATION

Anatomical and physiological features of the development of the child's body in different age periods.

Anatomical and physiological features of the structure of the maxillofacial region in children of different ages.

Manifestation of chemical burns on the oral mucosa in children. Tactics of dentist.

Chronic mechanical trauma of the oral mucosa in children. mild leukoplakia. Etiology, clinic, differential diagnosis, treatment.

Thermal burns of the oral mucosa in children. Clinic, diagnostics, treatment.

Acute herpetic gingivostomatitis in children. Etiology, pathogenesis, clinic, diagnostics, differential diagnosis, treatment, prevention.

Candidiasis. Etiology, pathogenesis, clinic, diagnostics, differential diagnosis, treatment.

Ulcerative necrotic gingivitis in children. Etiology, pathogenesis, clinic, diagnostics, differential diagnosis, treatment.

Radiation damage to the oral mucosa in children. Clinic, diagnostics, differential diagnosis,

treatment.

Acute mechanical trauma of the oral mucosa in children. Clinical manifestations, diagnosis, treatment.

Medical stomatitis. Clinic, diagnostics, differential diagnostics, treatment.

Recurrent aphthous stomatitis. Clinic, differential diagnosis, principles of treatment.

Multiform exudative erythema. Clinic, differential diagnostics, principles of treatment.

The manifestation of acute infectious diseases on the oral mucosa. (chickenpox, measles, scarlet fever, infectious mononucleosis, diphtheria), tactics of a dentist.

Lip diseases in children. Classification, clinic, diagnosis, differential diagnosis, treatment.

Diseases of the tongue in children. Classification. Clinic, diagnostics, differential diagnostics, treatment.

Damage to the oral mucosa caused by tuberculosis and syphilitic infection. Dentist tactics.

Manifestations on the oral mucosa in blood diseases in children. Clinic, diagnostics. Dentist tactics.

Changes in the oral mucosa in diseases of the gastrointestinal tract, hypovitaminosis. Clinic, diagnostics. Dentist tactics.

Clinical examination of children at a dentist at a therapeutic appointment.

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

7.1. List of basic literature*:

No.	Name according to bibliographic requirements	Number of copies	
		At the department	In library
1	Pediatric therapeutic dentistry: textbook / ed. L. P. Kiselnikova. - Moscow: Litterra, 2009. - 208 p. : ill., tab., color. ill.; (Algorithms for diagnosis and treatment;)	one	twenty
2	Atlas of dental diseases in children. Tutorial +1 electronic disk T.F. Vinogradov. – 2nd edition. M.: MEDpress-inform, 2010-168s.: Il.tv.	one	one

**the list of basic literature should contain textbooks published over the past 10 years (for the disciplines of the humanitarian, social and economic cycle over the past 5 years), textbooks published over the past 5 years.*

7.2. List of additional literature*:

No.	Name according to bibliographic requirements	Number of copies	
		At the	In library

		department	
1	Pediatric therapeutic dentistry: national guidelines + electronic disk / ed. VC. Leontiev, L.P. Kiselnikova. - M.: GEOTAR-Media 2010. - 896 p.: - (national leadership)	one	one
2	S.Yu. Kosyuga, I.N. Chuprunova, G.V. Krivulina. Guidelines for work practice in therapeutic dentistry of childhood for students of the Faculty of Dentistry. Nizhny Novgorod, NGMA.-2012.-106p.	5	90

**additional literature contains additional material to the main sections of the program of the discipline.*

7.3. List of guidelines for classroom and independent work of students:

No.	Name according to bibliographic requirements	Number of copies	
		At the department	In library
1	Dental diseases: caries, non-carious lesions, pulpitis, periodontitis: Textbook for students of dental faculties / ed. I.M. Makeeva. - Rostov-on-Don: Phoenix, 2007. - 141 p. 616.31 B-792 Ab/scient*		one
2	Borisenko, A.V. Dental caries: A practical guide / A.V. Borisenko. - Kyiv: Book plus, 2005. - 416 p. 616.31 B-825 Ab/scient*		one
3	Dental caries: textbook / N.V. Zablotskaya [i dr.]. - M. : GEOTAR-Media, 2009. - 80 p. 616.31 K-23 Ab / scientific *		one
4	Dental caries (etiology, clinic, treatment, prevention) / L.M. Lukins; Ed. organization Nizhny Novgorod State Medical Academy. - 4th ed. - Nizhny Novgorod: NGMA, 2004. - 186 p. 616.31 L-841 Ab/scientific, c/o		one
5	Korchagin, V.V. Treatment of dental caries in young children / V.V. Korchagin. - M. : MEDpress-inform, 2008. - 168 p. 616.31 K-703 Ab/scient*		one
6	Lobovkina, L.A. Algorithm for aesthetic restoration of anterior and posterior teeth: monograph / L.A. Lobovkina, A.M. Romanov. - M.: MEDpress-inform, 2008. - 48 p. 616.31 L-683 Ab/scient*		one
7	Lobovkina, L.A. Romanov A.M. Algorithm for aesthetic restoration of anterior and posterior teeth: monograph / L.A. Lobovkina, A.M. Romanov. - M. : MEDpress-inform, 2008. - 48 p. 616.31 L-683 Ab/scient*		one
8	Mamedova, L.A. Dental caries and its complications (from antiquity to the present): Textbook for students. stomat. faculties of medical Universities / L.A. Mammadov. - M.: Medical book, 2002. - 192 p. 616.31 M-221 Ab/scientific, c/o		one
9	Nikolaev, A.I. Preparation of carious cavities: modern tools,		one

	techniques, quality criteria / A.I. Nikolaev. - M. : MEDpress-inform, 2006. (2006) - 208 p. 616.31 N-632 Ab/scient*		
10	Complications of caries. Clinic, diagnosis, treatment, prevention: textbook / ed. E.N. Ivanova. - Rostov-on-Don: Phoenix, 2007. - 158 p. 616.31 O-747 Ab / scientific		one
11	Saifullina, Kh.M. Dental caries in children and adolescents: Textbook / Kh.M. Saifullin. - Ed. revised and additional .. - M. : MEDpress, 2000. - 96 p. 616.31 C-149 Ab / scientific *		one
12	Khomenko, L.A. Clinical and radiological diagnosis of diseases of the teeth and periodontium in children and adolescents: a guide for doctors / L.A. Khomenko, E.I. Ostapko, N.V. Bidenko. - M. : Book plus, 2004. - 200 p. 616.31 Kh-76 Ab/scient*		one
13	Epidemiology, prevention and treatment of major dental diseases in children: materials of a scientific and practical conference dedicated to the 30th anniversary of the Department of Pediatric Dentistry of the Tver State Medical Academy and the 85th anniversary of its founder, Professor R.D. Novoselov. Tver January 23-24, 2004 / ed. B.N. Davydov. - Tver: RIC TGMA, 2004. -300 p. 616.31 E-71 Ab / scientific		one
14	Akhmetzyanova, G.R. Evaluation of the anti-cariogenic effect of nutrition on the condition of teeth in childhood: abstract of the thesis. dis. ... cand. medical sciences: 14.00.21 / G.R. Akhmetzyanov. - Kazan: B.I., 2009. - 19 p. A-38296		one
15	Bagdasarova, O.A. The choice of a rational system for the prevention of dental caries in schoolchildren: abstract of the thesis. dis. ... cand. honey. Sciences: 14.00.21 / O.A. Bagdasarov. - Samara: B.I., 2009. - 26 p. A-37845		one
16	Bakashvili, N.T. Clinical and laboratory assessment of composites using dental photopolymerization devices of halogen and photodiode types: author. dis. ... cand. honey. Sciences: 14.00.21 / N.T. Bakashvili. - Krasnoyarsk: B.I., 2009. - 22 p. A-38663		one
17	Bakhmudov, M.B. The incidence of caries in the teeth of pregnant women and ways to improve the organization of therapeutic and preventive measures (based on the examination of pregnant women in Derbent): abstract of the thesis. dis. ... cand. honey. Sciences: 14.01.14 / M.B. Bakhmudov. - Stavropol: B.I., 2010. - 22 p. A-39155		one
18	Brusnitsyna, E.V. Clinical rationale for the prevention of caries in prematurely erupted premolars: Ph.D. dis. ... cand. medical sciences: 14.01.14 / E.V. Brusnitsyn. - Ekaterinburg: B.I., 2010. - 24 p. A-39146		one
19	Gutova, Yu.S. Influence of post-bonding on the quality of restorations in surgical and restorative treatment of hard tissues of the tooth using composite filling materials: Ph.D. dis. ... cand. honey. Sciences: 14.00.21 / Yu.S. Gutov. - M. : B.i., 2008. - 26 p. A-37516		one
20	Demina, R.R. Dental caries in young children, risk factors, prevention. : autoref. dis. ... cand. honey. Sciences: 14.00.21 / R.R. Demina. - Samara: B.i., 2006. - 22 p. A-35273		one
21	Dubrova, N.A. Risk assessment and individual prediction of		one

	the results of treatment of complicated caries: Ph.D. dis. ... cand. medical sciences: 14.01.14 / N. A. Dubrova. - Yekaterinburg: B.I., 2010. - 24 p. A-38829		
22	Ioshchenko, E.S. Forecasting and individual prevention of dental caries in children: Ph.D. dis. ... cand. medical sciences: 14.01.14 / E.S. Ioshchenko. - Yekaterinburg: B.I., 2010. - 22 p. A-39030		one
23	Kitaeva, E.V. The use of Imudon in the complex prevention of dental caries in children and adolescents living in a large industrial city: author. dis. ...cand. medical sciences: 14.01.14 / E.V. Kitaev. - N. Novgorod: B.I., 2010. - 26 p. A-38967		one
24	Piskarev, Yu.A. Clinical and organizational substantiation of the technology for the prevention of dental caries in children by fluoridation of milk: author. dis. ... cand. honey. Sciences: 14.00.21 / Yu.A. Piskarev. - Kazan: B.I., 2008. - 21 p. A-37599		one
25	Chagai, A.A. Clinical and experimental substantiation of the choice of methods of restoration of teeth in the treatment of uncomplicated caries: Ph.D. dis. ... cand. honey. Sciences: 14.00.21 / A.A. Chagay. - Yekaterinburg: B.i., 2007. A-36507		one
26	Yakimova, Yu.Yu. Scientific substantiation of medical and social prevention of dental caries in preschool children, taking into account antenatal risk factors: author. dis. ..cand. honey. Sciences: 14.00.33; 14.00.21 / Yu.Yu. Yakimov. - Kazan: B.I., 2006. - 22 p. A-35647		one
27	Popruzhenko, T.V. Efficiency and safety of using fluorine-containing products in children's preschool institutions of the Republic of Belarus for the prevention of caries in temporary teeth / T.V. Popruzhenko, O.V. Minchenya // Medicine. - 2006. - No. 2. - S. 66-68.		one
28	Dental diseases: caries, non-carious lesions, pulpitis, periodontitis: Textbook for students of dental faculties / ed. THEM. Makeev. - Rostov-on-Don: Phoenix, 2007. - 141 p. 616.31 B-792 Ab/scient*		one
29	Ivanov, V.S. Inflammation of the dental pulp / V.S. Ivanov, Yu.A. Vinnichenko, E.V. Ivanova. - M. : Medical Information Agency, 2003. - 264 p. 616.31 I-20 Ab/nauch, C/z		one
30	Leus, P.A. Diseases of the teeth and oral cavity: textbook / P.A. Leus, A.A. Goreglyad, I.O. Chudakov. - 2nd ed., stereotypical. - Minsk: Higher School, 2001. - 288 p. 616.31 L-529 Ab/scient*		one
31	Lukinykh, L.M. Pulpit (clinic, diagnosis, treatment): Textbook / L.M. Lukinykh, L.V. Shestopalova. - 3rd ed. - N.Novgorod: NGMA, 2004. - 88 p. 616.31 L-841 Ab/scientific, C/z		one
32	Lutskaya, I.K. Endodontics: a practical guide / I.K. Lutskaya, I.G. Chukhrai, N.V. Novak. - M.: Medical literature, 2009. - 197 p. 616.31 L-869 Ab / scientific		one
33	Complications of caries. Clinic, diagnosis, treatment, prevention: Textbook / ed. E. N. Ivanova. - Rostov-on-Don: Phoenix, 2007. (2007) - 158 p. (Medicine for you) 616.31 O-747 Ab / scientific		one
34	Ambulatory surgical dentistry. Modern methods / V.M. Bezrukov [i dr.]. - M. : Medical Information Agency, 2002. - 76		one

	p. 616.31 A-613 Ab/scientific		
35	Artyushkevich, A.S. Clinical periodontology / A.S. Artyushkevich, E.K. Trofimova, S.V. Latyshev. - Minsk: Interpressservis; Urajay, 2002. - 303 p. 616.31 A-867Ab/scient*		one
36	Grudyanov, A.I. Guided tissue regeneration technique. Planting materials / A.I. Grudyanov, P. V. Chupakhin. - M. : Medical Information Agency, 2007. - 64 p. 616.31 G-90Ab/scient*		one
37	Ivanov, A.S. Infectious apical periodontitis. Anatomical and topographical aspects of the dentoalveolar segment: Textbook / A. S. Ivanov and R. K. Drozdova. - St. Petersburg. : SPbGMA, 2000. - 40 p. 616.31 I-21Ab/scientific		one
38	Leus, P.A. Diseases of the teeth and oral cavity: Textbook / P. A. Leus, A. A. Goreglyad and I. O. Chudakova. - 2nd ed., stereotypical. - Minsk: Higher School, 2001. - 288 p. : tv. (For medical schools) 616.31 L-529 Ab / scientific *		one
39	Lukinykh, L.M. Apical periodontitis: A textbook for the postgraduate system. education of doctors /L.M. Lukinykh, Yu. N. Livshits. - 2nd ed.M.: Medicine, 2004. - 92 p. 616.31 L-841 Ab/scientific		one

7.4. List of guidelines for teachers:

No.	Name according to bibliographic requirements	Number of copies	
		On the department	In library
1	Dental diseases: caries, non-carious lesions, pulpitis, periodontitis: Textbook for students of dental faculties / ed. I.M. Makeeva. - Rostov-on-Don: Phoenix, 2007. - 141 p. 616.31 B-792 Ab/scient*		one
2	Borisenko, A.V. Dental caries: A practical guide / A.V. Borisenko. - Kyiv: Book plus, 2005. - 416 p. 616.31 B-825 Ab/scient*		one
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5	Korchagin, V.V. Treatment of dental caries in young children / V.V. Korchagin. - M. : MEDpress-inform, 2008. - 168 p. 616.31 K-703 Ab/scient*		one
6	Lobovkina, L.A. Algorithm for aesthetic restoration of anterior and posterior teeth: monograph / L.A. Lobovkina, A.M. Romanov. - M. : MEDpress-inform, 2008. - 48 p. 616.31 L-683 Ab/scient*		one
7	Mamedova, L.A. Dental caries and its complications (from antiquity to the present): Textbook for students. stomat. faculties of medical Universities / L.A. Mammadov. - M.: Medical book; Nizhny Novgorod: NGMA, 2002. - 192 p. 616.31 M-221 Ab/scientific, c/o		one
8	Nikolaev, A.I. Preparation of carious cavities: modern tools,		one

	techniques, quality criteria / A.I. Nikolaev. - M. : MEDpress-inform, 2006. (2006) - 208 p. 616.31 N-632 Ab/scient*		
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14	Bagdasarova, O.A. The choice of a rational system for the prevention of dental caries in schoolchildren: abstract of the thesis. dis. ... cand. honey. Sciences: 14.00.21 / O.A. Bagdasarov. - Samara: B.I., 2009. - 26 p. A-37845		one
15	Bakashvili, N.T. Clinical and laboratory assessment of composites using dental photopolymerization devices of halogen and photodiode types: author. dis. ... cand. honey. Sciences: 14.00.21 / N.T. Bakashvili. - Krasnoyarsk: B.I., 2009. - 22 p. A-38663		one
16	Bakhmudov, M.B. The incidence of caries in the teeth of pregnant women and ways to improve the organization of therapeutic and preventive measures (based on the examination of pregnant women in Derbent): abstract of the thesis. dis. ... cand. honey. Sciences: 14.01.14 / M.B. Bakhmudov. - Stavropol: B.I., 2010. - 22 p. A-39155		one
17	Brusnitsyna, E.V. Clinical rationale for the prevention of caries in prematurely erupted premolars: Ph.D. dis. ... cand. medical sciences: 14.01.14 / E.V. Brusnitsyn. - Ekaterinburg: B.I., 2010. - 24 p. A-39146		one
18	Gutova, Yu.S. Influence of post-bonding on the quality of restorations in surgical and restorative treatment of hard tissues of the tooth using composite filling materials: Ph.D. dis. ... cand. honey. Sciences: 14.00.21 / Yu.S. Gutov. - M. : B.i., 2008. - 26 p. A-37516		one
19	Demina, R.R. Dental caries in young children, risk factors, prevention. : autoref. dis. ... cand. honey. Sciences: 14.00.21 / R.R. Demina. - Samara: B.i., 2006. - 22 p. A-35273		one
20	Dubrova, N.A. Risk assessment and individual prediction of the		one

	results of treatment of complicated caries: Ph.D. dis. ... cand. medical sciences: 14.01.14 / N. A. Dubrova. - Ekaterinburg: B.I., 2010. - 24 p. A-38829		
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22	Kitaeva, E.V. The use of Imudon in the complex prevention of dental caries in children and adolescents living in a large industrial city: author. dis. ...cand. medical sciences: 14.01.14 / E.V. Kitaev. - N. Novgorod: B.I., 2010. - 26 p. A-38967		one
23	Piskarev, Yu.A. Clinical and organizational substantiation of the technology for the prevention of dental caries in children by fluoridation of milk: author. dis. ... cand. honey. Sciences: 14.00.21 / Yu.A. Piskarev. - Kazan: B.I., 2008. - 21 p. A-37599		one
24	Chagai, A.A. Clinical and experimental substantiation of the choice of methods of restoration of teeth in the treatment of uncomplicated caries: Ph.D. dis. ... cand. honey. Sciences: 14.00.21 / A.A. Chagay. - Yekaterinburg: B.i., 2007. A-36507		one
25	Yakimova, Yu.Yu. Scientific substantiation of medical and social prevention of dental caries in preschool children, taking into account antenatal risk factors: author. dis. ..cand. honey. Sciences: 14.00.33; 14.00.21 / Yu.Yu. Yakimov. - Kazan: B.I., 2006. - 22 p. A-35647		one
26	Volozhin, A.I. Immunomodulatory activity of dental materials / A.I. Volozhin, A.A. Babakhin // Dentistry. - 2006. - T. 85, No. 1. - S. 18-20.		one
27	Gazhva, S.I. Mistakes and complications in endodontic treatment of complicated caries / S.I. Gazhva, V.A. Kucher // Nizhny Novgorod Medical Journal. - 2008. - No. 2. - S. 31-32.		one
28	Goncharenko, A.S. Characteristics of the state of the dentoalveolar system in children suffering from hereditary rickets-like diseases / A.S. Goncharenko, P.V. Novikov, V.M. Elizavrova // Russian Bulletin of Perinatology and Pediatrics. - 2006. - T. 51, No. 1. - S. 20-22.		one
29	The intensity of cariesworkers with harmful working conditions at the Lermontov hydrometallurgical plant / Ya.N. Garus [et al.] // Russian Dental Journal. - 2005. -№ 6. - S. 37-38.		one
30	Levenets, A.A. Prevention of dental caries in children with dentoalveolar anomalies and deformities at the stages of orthodontic treatment / A.A. Levenets, E.A. Bril // Russian Dental Journal. - 2006. - No. 1. - S. 33-35.		one
31	Lukinykh, L.M. Comparative study of the effectiveness of the use of dentin-sealing liquid, gluftored and calcimol in the treatment of deep caries / L.M. Lukinykh, S.M. Tolmacheva, Yu.G. Koryakina // Nizhny Novgorod Medical Journal - 2006. - No. 8 - P. 231-235.		one
32	Popruzhenko, T.V. Efficiency and safety of using fluorine-containing products in children's preschool institutions of the Republic of Belarus for the prevention of caries in temporary teeth / T.V. Popruzhenko, O.V. Minchenya // Medicine. - 2006. - No. 2. - S. 66-68.		one
33	Gel standardization fortreatment of deep caries / A.L.		one

	Golovanenko, [et al.] // Chemical and pharmaceutical journal: scientific, technical and industrial journal. - 2006. - T. 40, No. 4. - S. 54-56.		
34	Tolmacheva, S. M. Monitoring the incidence of dental caries among students of the Dental Faculty of the Nizhny Novgorod State Medical Academy / S.M. Tolmacheva, N.V. Tiunova, N.V. Kruglova // Nizhny Novgorod Medical Journal. - 2008. - No. 2. - S. 126-128.		one
35	Filippov, S.V. Prevalence and intensity of dental caries in children of Yakutsk Republic of Sakha (Yakutia) / S.V. Filippov, R.I. Mikhailova // Russian Dental Journal. - 2005. - No. 6. - S. 41-42.		one
36	Chuprunova, I.N. Dental caries and the level of oral hygiene in children of primary school age / I.N. Chuprunova, E.D. Pyatov. - Nizhny Novgorod Medical Journal - 2008. - N2 - S. 137-139.		one
37	Epidemiological indicators of caries and its complications based on the results of a survey of the population Essentukov / Ya.N. Garus [et al.] // Russian Dental Journal. - 2005. - No. 6. - S. 35-36.		one
38	The effectiveness of polyoxidonium at chronic gingivitis in children with hereditary and congenital somatic pathology / A.D. Tsaregorodtsev [et al.] // Immunology. - 2006. - No. 1. - S. 23-25.		one
39	Heinrich-Wellzien, R. Endodontic treatment of milk teeth. General aspects, indications and contraindications / R. Heinrich-Wellzien, J. Kuhnisch // Quintessence. - 2005. - No. 4. - S. 13-20.		one
40	Dental diseases: caries, non-carious lesions, pulpitis, periodontitis: Textbook for students of dental faculties / ed. THEM. Makeev. - Rostov-on-Don: Phoenix, 2007. - 141 p. 616.31 B-792 Ab/scient*		one
41	Ivanov, V.S. Inflammation of the dental pulp / V.S. Ivanov, Yu.A. Vinnichenko, E.V. Ivanova. - M. : Medical Information Agency, 2003. - 264 p. 616.31 I-20 Ab/nauch, C/z		one
42	Leus, P.A. Diseases of the teeth and oral cavity: textbook / P.A. Leus, A.A. Goreglyad, I.O. Chudakov. - 2nd ed., stereotypical. - Minsk: Higher School, 2001. - 288 p. 616.31 L-529 Ab/scient*		one
43	Lukinykh, L.M. Pulpit (clinic, diagnosis, treatment): Textbook / L.M. Lukinykh, L.V. Shestopalova. - 3rd ed. - N. Novgorod: NGMA, 2004. - 88 p. 616.31 L-841 Ab/scientific, C/z		one
44	Lutskaya, I.K. Endodontics: a practical guide / I.K. Lutskaya, I.G. Chukhrai, N.V. Novak. - M.: Medical literature, 2009. - 197 p. 616.31 L-869 Ab / scientific		one
45	Complications of caries. Clinic, diagnosis, treatment, prevention: Textbook / ed. E. N. Ivanova. - Rostov-on-Don: Phoenix, 2007. (2007) - 158 p. (Medicine for you) 616.31 O-747 Ab / scientific		one
46	Ambulatory surgical dentistry. Modern methods / V.M. Bezrukov [i dr.]. - M. : Medical Information Agency, 2002. - 76 p. 616.31 A-613 Ab/scientific		one
47	Artyushkevich, A.S. Clinical periodontology / A.S. Artyushkevich, E.K. Trofimova, S.V. Latyshev. - Minsk: Interpressservis; Urajay, 2002. - 303 p. 616.31 A-867 Ab/scient*		one

48	Grudyanov, A.I. Guided tissue regeneration technique. Planting materials / A.I. Grudyanov, P. V. Chupakhin. - M. : Medical Information Agency, 2007. - 64 p. 616.31 G-90Ab/scient*		one
49	Ivanov, A.S. Infectious apical periodontitis. Anatomical and topographical aspects of the dentoalveolar segment: Textbook / A. S. Ivanov and R. K. Drozdova. - St. Petersburg. : SPbGMA, 2000. - 40 p. 616.31 I-21Ab/scientific		one
50	Leus, P.A. Diseases of the teeth and oral cavity: Textbook / P. A. Leus, A. A. Goreglyad and I. O. Chudakova. - 2nd ed., stereotypical. - Minsk: Higher School, 2001. - 288 p. : tv. (For medical schools) 616.31 L-529 Ab / scientific *		one
51	Lukinykh, L.M. Apical periodontitis: a textbook for the postgraduate system. education of doctors / L.M. Lukinykh, Yu. N. Livshits. M.: Medicine. - 2004. - 92 p. 616.31 L-841 Ab/scientific		one

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

No./p	Teaching aid, monograph	The authors)	Edition
1	Guidelines for work practice in therapeutic dentistry of childhood for students of the Faculty of Dentistry.	L.M. Lukinykh L.N. Kazarina <i>S.Yu. Kosyuga</i> <i>I.N. Chuprunova</i> <i>MM. Ratsyuk</i>	Nizhny Novgorod, NGMA.-2003.-38s.
2.	Diseases of the mucous membrane of the oral cavity and lips in children.	/ Ed. L.N. Kazarina <i>S.Yu. Kosyuga</i> <i>I.N. Chuprunova</i> <i>G.V. Krivulina</i>	Nizhny Novgorod, NGMA. - 2004. - p. 264.
3.	Diseases of the oral cavity.	/ Ed. L.M. Lukinykh <i>S.Yu. Kosyuga</i> <i>I.N. Chuprunova</i>	Nizhny Novgorod, Nizhny Novgorod Publishing House. state honey. Academy, 2004.-510s.
4.	Periodontal disease (clinic, diagnosis, treatment and prevention).	L.M. Lukinykh E.N. Zhulev <i>I.N. Chuprunova</i>	Nizhny Novgorod, Nizhny Novgorod Publishing House. state honey. academy, 2005.-322p.
5.	Guidelines for work practice in therapeutic pediatric dentistry for students of the faculty of teaching foreign students.	<i>S.Yu. Kosyuga</i>	Nizhny Novgorod, NGMA.-2008.-32p.

6.	Guidelines for work practice in therapeutic dentistry of childhood for students of the Faculty of Dentistry.	<i>S.Yu. Kosyuga</i> <i>I.N. Chuprunova</i> <i>G.V. Krivulina</i>	Nizhny Novgorod, NGMA.-2012.-106p.
7	Prevention and treatment of caries in temporary teeth (monograph)	<i>O.V. Kolesova,</i> <i>S.Yu. Kosyuga</i> <i>L.N. Kazarina</i>	Nizhny Novgorod, NGMA.-2015.-98s.
8	Manual for industrial (clinical) practice of the direction "Assistant to the pediatric dentist"	<i>S.N. Gromov,</i> <i>S.Yu. Kosyuga,</i> <i>O.A. Makarchuk,</i> <i>O.Sh. Ryabova,</i> <i>E.V. Kolotova</i>	Nizhny Novgorod, PIMU-2019.-100p.

7.5. Electronic educational resources used in the process of teaching the discipline:

7.5.1. Internal Electronic Library System of the University (VEBS)

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
Internal Electronic Library System (VEBS) PIMU	Proceedings of PIMU staff (textbooks, manuals, collections of tasks, methodological manuals, laboratory work, monographs, etc.)	Access by individual login and password from any computer and mobile device	Not limited

7.5.2. Electronic educational resources purchased by the university

No.	<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>	<i>Number of users</i>
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	Not 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	Not limited
3.	Database "Electronic	Educational and	Access by individual	Not limited

	Library System "Bukap"	scientific medical literature of Russian publishing houses, incl. translated editions. The collection of subscription publications is formed point by point.	login and password from any computer and mobile device. From university computers - access is automatic.	
4.	Electronic periodicals in the database "SCIENTIFIC ELECTRONIC LIBRARY eLIBRARY"	Electronic medical magazines	Access - from the computers of the university.	Not limited

7.5.3. Open Access Resources

<i>Name of the electronic resource</i>	<i>Brief description (content)</i>	<i>Access conditions</i>
Federal Electronic Medical Library (FEMB)	Includes electronic analogues of printed publications and original electronic publications that have no analogues recorded on other media (dissertations, abstracts, books, magazines, etc.). [Electronic resource] - Access mode: http://neb.rf/	from any computer on the Internet
Scientific electronic library eLIBRARY.RU	The largest Russian information portal in the field of science, technology, medicine and education, containing abstracts and full texts of scientific articles and publications. [Electronic resource] - Access mode: https://elibrary.ru/	from any computer on the Internet.
Scientific electronic library of open access CyberLeninka	Full texts of scientific articles with annotations published in scientific journals in Russia and neighboring countries. [Electronic resource] - Access mode: https://cyberleninka.ru/	from any computer on the Internet
Russian State Library (RSL)	Abstracts for which there are copyright agreements with permission for their open publication [Electronic resource] - Access mode: http://www.rsl.ru/	from any computer on the Internet
Reference and legal system "Consultant Plus"	Federal and regional legislation, judicial practice, financial advice, legislative comments, etc. [Electronic resource] - Access mode: http://www.consultant.ru/	from any computer on the Internet

8. Logistics support of discipline.

Lectures with the use of DOT and EOS:

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

Tables and albums.

1. Tables, posters

- 1.1 Elements of lesions of the oral mucosa
- 1.2 Clinical manifestations of acute herpetic stomatitis in children
- 1.3 Classification of diseases of the oral mucosa
- 1.4 Clinical manifestations of diphtheria in the oral cavity.
- 1.5. Clinical manifestations of drug-induced stomatitis.

Presentations, transparencies, albums, videos:

1. Presentation

- 1.1. Acute herpetic stomatitis in children. Clinic, diagnosis, treatment.
 - 1.2. Recurrent aphthous stomatitis. Clinic, diagnosis, treatment.
 - 1.3. Candidiasis. Etiology, pathogenesis, clinic, diagnostics, differential diagnosis, treatment.
 - 1.4. Multiform exudative erythema. Clinic, diagnosis, treatment.
 - 1.5. Infectious diseases and their manifestations on the oral mucosa. (chickenpox, measles, scarlet fever, infectious mononucleosis, diphtheria), diagnosis, treatment.
 - 1.6. Anesthesia in the practice of pediatric dentistry.
 - 1.7. Methods of examining a patient in a pediatric dentistry clinic.
 - 1.8. Cheilitis. Clinic, diagnosis, treatment.
 - 1.9. Glossitis. Clinic, diagnosis, treatment.
 - 1.10. Traumatic injuries of the oral mucosa in children. Clinic, diagnosis, treatment.
2. Color and black and white slides
 - 2.1. Manifestation of HIV infection.
 - 2.2. Candidiasis. Oral manifestations in children.
 - 2.3. Herpes simplex virus. Manifestations of acute and chronic herpetic infection in the oral cavity in children.
 - 2.4. Manifestations of infectious diseases in the oral cavity in children.
 - 2.5. Injuries of the oral mucosa in children.

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

Workshops:

1. Dental rooms equipped with the necessary equipment and equipment.
2. X-ray room.
3. Sterilization.

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 assortment, endodontic instruments in assortment, surgical forceps for removing temporary and permanent teeth, elevators, curettage spoons, spatulas, 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. Apparatus Apexlocator.
10. Apparatus Sikod
11. Amalgamator.
12. Tonometer.
13. Phonendoscope.

14. Assistant's chair.
15. Dentist's chair.
16. Dentist's table.
17. Dental unit (DabiAtlant, AA389A, Azimuth 100).
18. MiniPierson.
19. Assist.
20. Televisions and VCRs.
21. 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 and items.
4. Prevention of dental caries
5. Prevention of periodontal diseases.
6. Prevention of diseases of the oral mucosa in children.
7. Prevention of inflammatory diseases of the maxillofacial region
8. Rules for disinfection and sterilization of dental instruments.
9. A set of orthopantomograms and intraoral radiographs.
10. Treatment, prevention of periodontal and oral mucosa diseases.
11. Recommended literature on pediatric dentistry.

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. Children's skull
9. Teenage skull
- ten. Embryogenesis of facial tissues
11. Models of jaws.
12. Chicken thighs for learning and performing suturing techniques
13. Pig heads for demonstration of operations on the periodontium, oral mucosa, study and implementation of tooth extraction techniques and outpatient surgery techniques.

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

1. Set of electronic presentations
2. 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, negatoscope, boards and others

9. 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.

9.1. Examples of educational technologies in an interactive form:

No.	Section name	Forms of classes using active and interactive educational technologies
1	Anatomical and physiological features of the structure of the oral mucosa in children of different ages. Methods of dental examination of children and adolescents. Dental and medical documentation.	Role-playing game
2	Features of the course and diagnosis of traumatic injuries of the oral mucosa in children of different ages.	Seminar-discussion
3	Features of the course, diagnosis and treatment of lesions of the oral mucosa in viral and bacterial infections in children.	Lecture - visualization
	Features of the course and treatment of lesions of the oral mucosa in children with specific infections.	Visualization Lecture
4	Features of the course and treatment of lesions of the oral mucosa in children caused by allergic reactions.	Seminar-discussion
6	Features of the course and treatment of lesions of the oral mucosa in children with general somatic pathology.	Lecture - visualization
7	Features of the course and treatment of diseases of the mucous membrane of the tongue and the red border of the lips in children.	Seminar-discussion

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.

- determining the goal of the game, developing a game scenario depending on the topic of the lesson: studying the clinic, diagnosis, differential diagnosis of generalized periodontitis, of varying severity;
- instructing the participants: the moderator (the role of the 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 features of their behavior, depending on the role. The educational tasks of each are determined based on the game roles.

Immersion in 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 performers of the roles, encourages discussion, gives the participants the opportunity to defend individual positions, determines the level of assimilation of knowledge, professional skills and abilities on this topic.

Seminar-discussion

Preparatory stage.

During the preparation period (7–10 days before the seminar), during independent work, a speaker, co-speaker are determined and the leaders of the initiative groups for each issue are determined. Each leader prepares a 5-7 minute speech in advance, revealing the relevance and significance of the issue under consideration, its main problems. The composition of the expert group consisting of two people is determined to take into account the performances and give individual marks. During this period, a trainee is also

assigned to lead the seminar.

His responsibilities include:

- observance of the time limit allotted for each question; - management of the discussion of the issue (whom to give the floor for the report, ensuring order and discipline when discussing the issue); - providing assistance to each group responding to interrogations, etc.

Main stage.

The seminar begins with an introductory speech by the teacher. After that, it is desirable to hear and discuss the report, as well as hear the opponent. Then the teacher determines the composition of the initiative group on the first question. After determining the composition of the group, he, together with the leader of the seminar, 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 organizing work on such a seminar is the following: the 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 did not receive proper coverage, etc.). Then all subsequent questions of the seminar are discussed in the same way.

The final stage:

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

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

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

Item	Software	number of licenses	Type of software	Manufacturer	Number in the unified	Contract No. and date
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no.					register of Russian software	
1	Wtware	100	Thin Client Operating System	Kovalev Andrey Alexandrovich	1960	2471/05-18 from 28.05.2018
2	MyOffice is Standard. A corporate user license for educational organizations, with no expiration date, with the right to receive updates for 1 year.	220	Office Application	LLC "NEW CLOUD TECHNOLOGIES"	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 Subscription	
5	Yandex. Browser		Browser	«Yandex»	3722	
6	Subscription to MS Office Pro for 170 PCs for FGBOU VO "PIMU" of the Ministry of Health of Russia	170	Office Application	Microsoft		23618/HN10 030 LLC "Softline Trade" from 04.12.2020

10. List of changes to the working program (to be filled out by the template)

Federal State Budgetary Educational Institution of Higher Education
"Privolzhsky Research Medical University"
Ministry of Health of the Russian Federation
(FSBEI HE "PRMU" of the Ministry of Health of Russia)

Department of
Name of the department

CHANGE REGISTRATION SHEET

working program for the academic discipline
NAME OF THE ACADEMIC DISCIPLINE

Field of study / specialty / scientific specialty: _____

name)

(code,

Training profile: _____

(name) - for master's degree programs

Mode of study: _____

full-time/mixed attendance mode/extramural

Position	Number and name of the program section	Contents of the changes made	Effective date of the changes	Contributor's signature
1				

Approved at the department meeting

Protocol No. _____ of _____ 20__

Head of the Department

department name, academic title

signature

print name