

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



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"18" November 2024

**PROGRAM
STATE FINAL ATTESTATION
OF GRADUTES IN SPECIALITY
31.05.03 DENTISTRY**

Qualification: Dentist

**Nizhny Novgorod
2024**

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PROGRAM
of State Final Attestation of graduates in the specialty
31.05.03 "Dentistry"

1. General Provisions.

State Final Attestation of graduates in the specialty 31.05.03 "Dentistry" is carried out in accordance with

- the Federal State Educational Standard approved by order of the Ministry of Science and Higher Education of the Russian Federation dated August 12, 2020 No. 984.
- The procedure for organizing and implementing educational activities in higher education educational programs – bachelor's degree programs, master's degree programs, specialty programs, approved by Order No. 301 of the Ministry of Education and Science of the Russian Federation dated April 5, 2017;
- The procedure for conducting the state final certification of educational programs of higher education – bachelor's degree programs, specialty programs and master's degree programs, approved by Order No. 636 of the Ministry of Education and Science of the Russian Federation dated June 29, 2015;
- The procedure for developing approximate basic educational programs, conducting their examination and maintaining a register of approximate basic educational programs, approved by Order No. 594 of the Ministry of Education and Science of the Russian Federation dated May 28, 2014;
- Professional standard "Dentist", approved by the order of the Ministry of Labor and Social Protection of Russia dated May 10, 2016 No. 227 n.

2. Goals and objectives of the SFA.

2.1. The state final attestation is carried out in order to determine the compliance of the results of mastering the basic professional educational programs by students in the specialty 31.05.03

"Dentistry" in accordance with the Federal State Educational Standard.

2.2. In the process of FSA, the graduate's readiness to carry out professional activities and related tasks is assessed:

preventive activities:

prevention of the occurrence of diseases among the population through preventive and antiepidemiological measures;

participation in preventive medical examinations, medical supervision;

collection and medical statistical analysis of information about the indicators of dental morbidity of various age and gender groups of the population and its impact on their health;

diagnostic activities:

diagnosis of dental diseases and pathological conditions of patients;

diagnosis of emergency conditions;

conducting an examination of temporary disability and participating in other types of medical examination;

treating activities:

providing dental healthcare in outpatient conditions and conditions of the day hospital;

participation in the provision of medical healthcare in emergency situations, including medical evacuation;

rehabilitation activities:

participation in the medical rehabilitation and sanatorium treatment of patients with dental diseases;

psychological and pedagogical activity:

formation of motivation among the population, patients and their family members aimed at preserving and strengthening their own health and the health of others;

teaching patients basic hygienic measures of a health-improving nature, contributing to the prevention of dental diseases and health promotion;

organizational and managerial activities:

application of the basic principles of the organization of dental care in medical organizations and their structural divisions;

creation of favorable conditions in dental medical organizations for the stay of patients and the work of employees;

maintaining documentation in the field of their professional activity;

organization of medical examination;

participation in the organization of assessment of the quality of dental care for patients;

compliance with the basic requirements of information security;

research activities:

analysis of scientific literature and official statistical reviews, participation in statistical analysis and public presentation of the results obtained;

participation in solving individual research and scientific-applied tasks in the field of healthcare and medical sciences on diagnosis, treatment, medical rehabilitation and prevention

3. Requirements to the graduate of medical university in the specialty

31.05.03 "Dentistry"

Graduate student must possess the following universal competencies (UC):

UC-1. Able to carry out a critical analysis of problem situations based on a systematic approach, to develop a strategy of actions;

UC-2. Able to manage a project at all stages of its life cycle;

UC-3. Able to organize and manage the work of the team, developing a team strategy to achieve the goal;

UC-4. Able to apply modern communication technologies, including in a foreign language(s), for academic and professional interaction;

UC-5. Able to analyze and take into account the diversity of cultures in the process of intercultural interaction;

UC-6. Able to determine and implement the priorities of his own activities and ways to improve it on the basis of self-assessment and lifelong education;

UC-7. Able to maintain the proper level of physical fitness to ensure full-fledged social and professional activities;

UC-8. Able to create and maintain safe living conditions in everyday life and in professional activities, including in the event of emergencies and military conflicts;

UC-9. Able to use basic defectological knowledge in social and professional spheres

UC-10. Able to make informed economic decisions in various areas of life;

UC-11. Able to form an intolerant attitude to corrupt behavior.

Graduate student must possess the following general professional competencies (GPC):

GPC-1. Able to implement moral and legal norms, ethical and deontological principles in professional activity;

GPC-2. Able to analyze the results of his own activities to prevent professional mistakes;

GPC-3. Able of countering the use of doping in sports and combating it;

GPC-4. Able to carry out and monitor the effectiveness of preventive measures, the formation of a healthy lifestyle and sanitary and hygienic education of the population;

GPC-5. Able to conduct a patient examination in order to establish a diagnosis when solving professional tasks;

GPC-6. Able to prescribe, monitor the effectiveness and safety of non-drug and drug treatment in solving professional tasks;

GPC-7. Able to organize work and make professional decisions in urgent conditions, in emergency situations, epidemics and in centers of mass destruction;

GPC-8. Able to use basic physic-chemical, mathematical and natural science concepts and methods in solving professional problems;

GPC-9. Able to assess morphofunctional states and pathological processes in the human body to solve professional problems;

GPC-10. Able to organize the work of junior and secondary medical personnel for the care of patients;

GPC-11. Able to implement the principles of quality management in professional activities;

GPC-12. Able to implement and monitor the effectiveness of medical rehabilitation of a dental patient;

GPC-13. Able to solve standard tasks of professional activity using information, bibliographic resources, medical and biological terminology, information and communication technologies, taking into account the basic requirements of information security.

Graduate student must possess the following professional competencies (PC):

diagnosis of dental diseases

PC 1.1 Knows:

General issues of organization of medical care for adults and children

Anatomy of the head, maxillofacial region, features of blood supply and innervation structure of teeth

Histology and embryology of the oral cavity and teeth, the main disorders of embryogenesis

Anatomical and functional state of the organs of the maxillofacial region, taking into account age

The normal and pathological physiology of the dental system, its relationship with the functional state of other body systems and the levels of their regulation

The role of oral hygiene, nutrition and the use of fluorides in the prevention of dental and periodontal diseases

Methodology for collecting anamnesis of life and diseases, complaints from children and adults (their legal representatives) with dental diseases

Goals and objectives of individual and professional oral hygiene

Hygienic indexes and methods of their determination

Methods of examination and physical examination, features of clinical dental examination in children and adults with dental diseases

Clinical picture, diagnostic methods, classification of diseases of teeth, periodontal, oral mucosa, lips in children and adults

Clinical picture, diagnostic methods, classification of diseases of the bone tissue of the jaws, peripheral nervous system of the maxillofacial region, temporomandibular joint in children and adults.

Methods of laboratory and instrumental studies for assessing the state of health, medical indications for conducting research, rules for interpreting their results, including diagnostic studies using modern technical means and digital technologies.

Medical indications and contraindications to the use of additional examination methods

Medical devices used in the provision of medical care to children and adults with dental diseases

International Statistical Classification of Diseases and Health-Related Problems (ICD)

The procedure for providing medical care to adults with dental diseases

The procedure for providing medical care to children with dental diseases

Clinical recommendations on the provision of dental care

Conditions requiring urgent medical care

Sanitary and epidemiological requirements and issues of organization of sanitary and anti-epidemic (preventive) measures in order to prevent the occurrence and spread of infectious diseases

PC 1.1 Can:

Collect complaints, anamnesis of life and disease in children and adults (their legal representatives) with dental diseases, identify risk factors and causes of

dental diseases

Interpret information received from children and adults (their legal representatives) with dental diseases

Apply methods of examination and physical examination of children and adults with dental diseases

Interpret the results of examination and physical examination of children and adults with dental diseases

Diagnose pulp and periodontal diseases, periodontal diseases, oral and lip mucosa in children and adults with dental diseases of the hard tissues of the teeth

Diagnose in children and adults with dental diseases defects of teeth, dentition, dental deformities and anomalies of teeth and jaws, complete absence of teeth and prerequisites for their development, trauma of teeth, bones of the facial skeleton and soft tissues of the maxillofacial region

Identify risk factors for cancer of the maxillofacial region in children and adults with dental diseases

Formulate a preliminary diagnosis, draw up a plan for laboratory, instrumental and additional studies in children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care, including diagnostic studies using modern technical means and digital technologies.

Direct children and adults with dental diseases to laboratory, instrumental and additional studies in accordance with the current procedures for providing dental medical care, clinical recommendations, taking into account the standards of medical care, including diagnostic studies using modern technical means and digital technologies.

Refer children and adults with dental diseases for consultations with specialist doctors in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Interpret and analyze the results of consultations by specialist doctors of children and adults with dental diseases

Justify the necessity and scope of additional examinations of patients (including X-ray methods), including with the use of modern technical means and digital technologies.

Interpret and analyze the results of basic (clinical) and additional (laboratory, instrumental) methods of examination in children and adults with dental diseases, including these radiological methods.

Carry out differential diagnostics of dental diseases in children and adults.

Formulate the final diagnosis in accordance with the International Statistical Classification of Diseases and Health-Related Problems (ICD)

Identify clinical signs of sudden acute diseases, conditions, exacerbations of chronic diseases without obvious signs of life-threatening, requiring urgent medical care.

PC1.3 Has practical experience in:

Collecting complaints, anamnesis of life and disease in children and adults (their legal representatives) with dental diseases, identify risk factors and causes of

dental diseases

Examination and physical examination of children and adults with dental diseases

Diagnostics in children and adults:

- dental caries,
- non-carious lesions,
- pulp and periodontal diseases,
- parodontium,
- mucous membrane of mouth and lips,
- dental defects,
- defects of dentition,
- dental deformities,
- anomalies of teeth and jaws,
- complete absence of teeth

Identify risk factors for cancer of the maxillofacial region in children and adults with dental diseases

Formulation of a preliminary diagnosis, drawing up a plan for instrumental, laboratory, additional studies, including diagnostic studies using modern technical means and digital technologies, consultations of specialist doctors in children and adults with dental diseases

Referrals of children and adults with dental diseases for instrumental, laboratory, additional studies, including with the use of modern technical means and digital technologies, consultations of specialist doctors for children and adults with dental diseases in accordance with the current procedures for providing dental medical care to adults and children, clinical recommendations, taking into account the standards of medical care.

Interpretation of data from additional (laboratory and instrumental) examinations of patients (including X-ray methods), including with the use of modern technical means and digital technologies.

Formulate the preliminary diagnosis in accordance with the International Statistical Classification of Diseases and Health-Related Problems (ICD)

Conduct differential diagnosis of dental diseases.

Formulate the final diagnosis in accordance with the International Statistical Classification of Diseases and Health-Related Problems (ICD)

Recognition of conditions arising from sudden acute diseases, exacerbation of chronic diseases without obvious signs of a threat to the patient's life and requiring urgent medical care.

PC 6.1 Knows:

Methodology for 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 adults with dental diseases

The procedure for providing medical care to children with dental diseases

Clinical recommendations on the provision of medical care to patients with

dental diseases

Standards of medical care

PC 6.2 Can:

Interpretate examination results, laboratory, instrumental, pathoanatomic and other studies, including diagnostic studies using modern technical means and digital technologies, in order to recognize the condition or establish the presence of or the absence of dental disease, symptoms, syndromes of dental diseases, the establishment of nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems and other regulatory documents of the Ministry of Health of the Russian Federation (Procedure for medical care, Standard of Medical care, Clinical Recommendations on medical care, etc.)

Develop treatment plans of children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

PC6.3 Has practical experience in:

Interpretation of examination results, laboratory, instrumental, pathoanatomic and other studies, including diagnostic studies using modern technical means and digital technologies, in order to recognize the condition or establish the presence of or the absence of dental disease, symptoms, syndromes of dental diseases, the establishment of nosological forms in accordance with the International Statistical Classification of Diseases and Health-related Problems and other regulatory documents of the Ministry of Health of the Russian Federation (Procedure for medical care, Standard of Medical care, Clinical Recommendations on medical care, etc.)

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 providing medical care, clinical recommendations, taking into account the standards of medical care

treatment of dental diseases

PC 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 unforeseen

Principles, techniques and methods of anesthesia, selection of the type of local anesthesia in the treatment of dental diseases

Methods of preventing or eliminating complications, side effects, adverse reactions, including serious and unforeseen, that occurred during the examination or treatment of patients with diseases of the teeth, pulp, periodontal, periodontal, oral and lip mucosa

Materials science, technologies, equipment and medical products used in

dentistry

Anatomy of the head, maxillofacial region, features of blood supply and innervation; structure of teeth; histology and embryology of the oral cavity and teeth, the main disorders of embryogenesis

PC 7.2 Can:

Develop a treatment plan for children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Select and prescribe medications, medical devices (including dental materials), dietary nutrition, therapeutic and wellness regimen for the treatment of children and adults with dental diseases in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Determine medical indications and contraindications to local anesthesia techniques of the maxillofacial region

Carry out local anesthesia (application, infiltration, conduction) in children and adults with dental diseases

Perform medical interventions, including therapeutic, in children and adults with dental diseases on an outpatient basis (excluding repeated endodontic treatment):

- individual oral and dental hygiene training, selection of oral hygiene products and items

- controlled teeth cleaning

- professional oral and dental hygiene

- injection of drugs in the maxillofacial region

- local application of remineralizing drugs in the tooth area

- deep fluoridation of tooth enamel

- sealing the fissure of the tooth with a sealant

- professional teeth whitening

- grinding of hard tooth tissues

- restoration of the tooth with a filling using dental cements, chemical curing materials, photopolymers

-restoration of teeth with violation of the contact point

- restoration of the tooth with filling material using anchor pins

- applying a devitalizing paste

- pulpotomy (amputation of the crown pulp)

- pulp extirpation

- instrumental and medical treatment of a well-traversed root canal

- temporary filling of the root canal with a drug

- filling of the root canal of the tooth with paste, gutta-percha pins

- removal of supragingival and subgingival dental deposits in the tooth area (by manual method)

- ultrasound removal of supra-gingival and subgingival dental deposits in the tooth area

- closed curettage for periodontal diseases in the tooth area

- application of a therapeutic bandage for periodontal diseases in the area of one

jaw

- prescribing 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, in children and adults with dental diseases on an outpatient basis (excluding the removal of retentive and dystopian teeth):

- tooth extraction
- removal of a temporary tooth
- permanent tooth removal
- opening and drainage of an odontogenic abscess

Carry out step-by-step sanitation of the oral cavity (excluding sanitation of the oral cavity in children in the conditions of an anesthetic manual)

Perform medical interventions, including orthopedic, in adults with dental diseases on an outpatient basis (excluding prosthetics on dental implants, technologies for automated manufacturing of orthopedic structures, complete removable plate and arc prostheses):

- obtaining anatomical and functional impressions
- restoration of the tooth with a crown
- restoration of the integrity of the dentition with fixed bridges
- prosthetics with partial removable plate prostheses
- correction of removable orthopedic construction
- removal of a non-removable orthopedic structure

Interpret the results of X-ray examinations of the maxillofacial region

Consult children and adults with diseases of the mucous membrane of the mouth and lips, to determine indications for referral to specialist doctors

Prevent or eliminate complications, side effects, undesirable reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of medicines and (or) medical devices, non-drug treatment

PC7.3 Has practical experience in:

Selection and appointment of medicines, medical devices (including dental materials) for the treatment of dental diseases in children and adults in accordance with the current procedures for the provision of medical care, clinical recommendations, taking into account the standards of medical care

Prescribing dietary nutrition, therapeutic and health regime in the treatment of dental diseases in children and adults in accordance with the current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Develop treatment plans of children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Evaluation of the results of medical interventions in children and adults with dental diseases

Selection of the type and implementation of local anesthesia (application, infiltration, conduction) in children and adults with dental diseases

Evaluation of the effectiveness and safety of the use of medicines, medical

devices and non-drug treatment in children and adults with dental diseases
Consult children and adults with diseases of the mucous membrane of the mouth and lips, to determine indications for referral to specialist doctors
Selection and appointment of medicines and medical devices, taking into account the diagnosis, age and clinical picture of dental disease in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care
Determination of methods of administration, regimen and dose of drugs
Selection and appointment of non-drug treatment for children and adults with dental diseases in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care
Prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of medicines and (or) medical devices, non-drug treatment at a dental appointment
Providing medical care to children and adults with sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an urgent form
The use of medicines and medical devices in the provision of emergency medical care

PC 9.1 Knows: indications and contraindications to the use of natural therapeutic factors, medicinal, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and sanatorium treatment; the effectiveness and safety of non-drug therapy; features of 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.

PC 9.2 Able to: determine indications and contraindications to the use of natural therapeutic factors, medicinal, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and sanatorium treatment; evaluate the effectiveness and safety of non-drug therapy; analyze the features of interaction of non-drug therapy methods in patients with diseases of the maxillofacial region, those in need of medical rehabilitation and sanatorium treatment

PC 9.1 Knows: indications and contraindications to the use of natural therapeutic factors, medicinal, non-drug therapy and other methods in patients with diseases of the maxillofacial region in need of medical rehabilitation and sanatorium treatment; the effectiveness and safety of non-drug therapy; features of 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.

emergency and emergency medical care

PC 4.1 Knows:

Principles and methods of providing medical care to patients in an emergency form in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Clinical signs of sudden cessation of blood circulation and (or) respiration

Rules of basic cardiopulmonary resuscitation

PC 4.2 Can:

Recognize conditions requiring emergency medical care, including clinical signs of sudden cessation of blood circulation and (or) breathing, requiring emergency medical care

Provide emergency medical care to patients with conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration)

Use medicines and medical devices when providing emergency medical care

Perform basic cardiopulmonary resuscitation activities

PC4.3 Has practical experience in:

Conditions requiring urgent medical care

Recognition of conditions that pose a threat to life, including a state of clinical death (stopping vital functions of the human body (blood circulation and (or) breathing) that require emergency medical care

Provide emergency medical care to patients with conditions that pose a threat to the life of patients, including clinical death (stopping vital functions of the human body (blood circulation and (or) respiration)

The use of medicines and medical devices in the provision of emergency medical care

prevention of dental diseases

PC 2.1 Knows:

Regulatory legal acts regulating the procedures for conducting preventive medical examinations and medical examinations

The main criteria of a healthy lifestyle and methods of its formation

Socio-hygienic and medical aspects of alcoholism, drug addiction, substance abuse, basic principles of their prevention

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 health-improving 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 municipal programs for the prevention of dental diseases

PC 2.2 Able to:

Carry out sanitary and hygienic education among children and adults (their legal representatives) and medical workers in order to form a healthy lifestyle and

prevent dental diseases

Carry out sanitary and educational work among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases

Form behavior in children and adults (their legal representatives) aimed at preserving and improving the level of somatic and dental health

Develop and implement programs for the formation of a healthy lifestyle, including programs to reduce alcohol and tobacco consumption, prevent and combat 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

Carry out preventive medical dental examinations of the population

Prescribe preventive measures to patients taking into account risk factors for the prevention and early detection of diseases, including cancer

Carry out the selection and appointment of medicines 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

PC 2.3 Has practical experience in:

Promotion of a healthy lifestyle and prevention of dental diseases

Conducting sanitary and educational work among children and adults with dental diseases

Formation of behavior in children and adults (their legal representatives) aimed at preserving and improving the level of somatic health

Formation of healthy lifestyle programs, including programs to reduce alcohol and tobacco consumption, prevention and control of non-medical use of narcotic drugs and psychotropic substances

Development of a plan of preventive measures and implementation of methods of group and individual prevention of dental diseases

Carrying out preventive medical dental examinations of the population taking into account age

Prescribing preventive measures for children and adults with dental diseases, taking into account risk factors, oncological and hygienic prevention in accordance with the procedures for providing medical care, clinical recommendations, taking into account the standards of medical care

Carry out the selection and appointment of medicines and non-drug methods for the prevention of dental diseases in children and adults

Conducting a dispensary examination of children and adults with dental diseases

Monitoring compliance with dental preventive measures

medical examination

PC 8.1 Knows:

The procedure for issuing disability certificates

Medical indications for referral to a medical and social examination

Requirements for registration of medical documentation

PC 8.2 Able to:

Identify signs of temporary disability in adults with dental diseases, temporary

disability to care for a sick child suffering from dental disease

Draw up medical documentation for the referral of adults and children with dental diseases to federal state institutions of medical and social expertise

PC8.3 Has practical experience in:

Identify signs of temporary disability in adults with dental diseases, temporary disability to care for a sick child suffering from dental disease

Registration of the necessary medical documentation for medical and social expertise in federal state institutions of medical and social expertise

Referrals of children and adults with dental diseases for medical and social expertise

Issuance of a disability certificate, including to persons caring for a sick family member

scientific research

PC 12.1 Knows:

Fundamentals of evidence-based medicine; main sources of medical information based on evidence-based medicine; methods and forms of public presentation of medical information; basic principles of medical scientific research

PC 12.2 Can:

Search for medical information based on evidence-based medicine;

interpret the data of scientific publications;

critically evaluate modern methods of diagnosis, prevention and treatment of diseases from the standpoint of evidence-based medicine;

justify your choice of methods of diagnosis, prevention and treatment of dental diseases;

prepare a presentation for public presentation of medical information, results of scientific research

PC 12.3 Has practical experience in:

Development of algorithms for examination and treatment of adults and children with dental diseases in accordance with the principles of evidence-based medicine;

search and interpretation of medical information based on evidence-based medicine;

public presentation of medical information based on evidence-based medicine;

partial participation in scientific research

organization and management

PC 5.1 Knows:

Rules of registration and peculiarities of maintaining medical documentation, including in the form of an electronic document, within the framework of the MIS of medical organizations of dental profile

Rules of work in medical information systems and information and telecommunication network "Internet"

Job responsibilities of medical workers in medical organizations of dental profile

Organization of dental offices, equipment and equipment of dental offices,

departments and clinics

Occupational health, safety and fire safety requirements, emergency procedures

PC 5.2 Can:

Make a work plan and a work report

Rules of registration and peculiarities of maintaining medical documentation, including in the form of an electronic document, within the framework of the MIS of medical organizations of dental profile and control the quality of its management

Analyze medical and statistical indicators of the incidence of dental diseases

Use information systems in the field of healthcare and the Internet information and telecommunication network in their work

Monitor the performance of official duties of the medical personnel at the disposal

Use personal data of patients and information constituting a medical secret in the work

PC5.3 Has practical experience in :

Drawing up a work plan and a report on your work

Maintaining medical documentation, incl. in the form of an electronic document, within the framework of the MIS of medical organizations of dental profile

Control over the performance of official duties at the disposal of medical personnel

Use of information systems in the field of healthcare and the information and telecommunications network "Internet"

Use personal data of patients and information constituting a medical secret in the work

PC 3.1 Knows:

The algorithm for carrying out anti-epidemic measures and providing medical care in the foci of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including the procedure for participation in medical evacuation.

Rules for the use of personal protective equipment.

Requirements of labor protection, fire safety, procedure for emergency situations.

PC 3.2 Can:

Follow anti-epidemic measures and provide the necessary medical assistance in the foci of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including taking part in medical evacuation.

Use personal protective equipment.

Comply with the requirements of labor protection, fire safety, emergency procedures.

PC3.3 Has practical experience in:

compliance with anti-epidemic measures and provision of necessary medical

care in the foci of dangerous infections, in case of deterioration of the radiation situation, natural disasters and other emergency situations, including medical evacuation.

Use of personal protective equipment.

Compliance with the requirements of labor protection, fire safety, emergency procedures.

PC 11.1 Knows: The legislation of the Russian Federation in the field of health protection and regulatory legal acts defining the activities of medical organizations.

General issues of the organization of medical care to the population and management in the field of public health protection, in medical organizations and their structural divisions.

Job responsibilities of employees of medical organizations.

Criteria for assessing the quality of medical care.

PC 11.2 Able to: apply the Legislation of the Russian Federation in the field of health protection and regulatory legal acts defining the activities of medical organizations,

principles of organization and management in the field of public health protection, in medical organizations and their structural divisions.

Analyze the quality of medical care, indicators of morbidity, disability and mortality of the population.

Work in information and analytical systems.

PC 11.3 Has practical experience in the application of the Legislation of the Russian Federation in the field of health protection and regulatory legal acts defining the activities of medical organizations, principles of organization and management in the field of public health protection, in medical organizations and their structural divisions.

Provide medical and statistical indicators.

Control over the fulfillment of medical appointments by medical workers holding positions of secondary and junior medical personnel.

Preparation of a report and a work plan.

sanitary and hygienic education

PC 10.1 Knows:

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 health-improving nature that promote health and prevent the occurrence of dental diseases

Etiology, pathogenesis, prevention of dental diseases

Fundamentals of preventive medicine

Methods and forms of communication organization, techniques and techniques of attracting the population to training in hygienic measures of a health-improving nature

Psychological and pedagogical bases and methods of application of technical means of training, information computer technologies, electronic educational and information resources, distance educational technologies and e-learning, including telemedicine technologies

Educational technologies and methods of teaching patients and medical workers

PC 10.2 Can:

Plan, organize and carry out activities within the framework of sanitary and hygienic education among the population, training of patients and medical workers

Carry out sanitary and educational work among children and adults with dental diseases in order to form a healthy lifestyle and prevent dental diseases

Involve medical personnel at the disposal in planning and developing the content of measures for sanitary and hygienic education among the population, training of patients and medical workers

It is reasonable to use technical means of training, information computer technologies, electronic educational and information resources, distance education technologies and e-learning, including telemedicine technologies

Carry out an analysis of the measures taken for sanitary and hygienic education among the population

PC 10.3 Has practical experience in:

Planning, organizing and conducting events within the framework of sanitary and hygienic education among the population

Planning, organizing and conducting training of patients and medical workers

Promotion of a healthy lifestyle and prevention of dental diseases

Formation of behavior in children and adults (their legal representatives) aimed at preserving and improving the level of somatic health

4. Stages and Procedure of the State Final Attestation

The sequence of the stages of attestation tests, their order, terms and duration are established by the Academic Council of Privolzhsky Research Medical University.

The program, form and conditions of the final state attestation are communicated to students no later than six months before the start of the final certification. Students should have the opportunity to familiarize themselves with the structure and samples of test tasks, for this purpose they are provided with the necessary conditions for preparing for exams.

Students who have completed the full course of study in the specialty 31.05.03 "Dentistry" and passed all tests and exams established by the curriculum are admitted to the final state attestation.

The state final certification is conducted in three stages:

the first stage is testing. On the website of distance education of PRMU there is a bank of test tasks on professional disciplines in the amount of 1000 questions and tests on social and humanitarian and natural science disciplines in the amount of 200 questions. Testing is conducted at the testing center in accordance with the schedule online. Number of tests - 100. Testing time - 60 minutes. The result is expressed as "passed" with the correct answer to more than 71 questions or "not passed".

- the second stage is checking practical training in providing emergency care in conditions:

- Sudden death in an adult
- Myocardial infarction complicated by cardiogenic shock
- Sudden death in a child
- Childbirth in out-of-hospital conditions

and special professional skills.

The assessment of practical training is carried out at the Center of practical skills and the simulation center of the Faculty of Dentistry of Privolzhsky Research Medical University. The result is expressed as "credited" or "not credited".

The third stage is the final interview on clinical situational tasks, including theoretical issues. Each student receives 4 tasks – in therapeutic dentistry, in surgical dentistry and maxillofacial surgery, in orthopedic dentistry or orthodontics, in pediatric dentistry.

When preparing for an oral answer, students make the necessary notes on each question on sheets of paper issued by the secretary of the examination committee. The first student is given up to 60 minutes to prepare for the answer, the rest of the students answer in order of precedence. The student's response to the ticket and the questions of the commission members are given no more than 30 minutes.

The results of the state final attestation are summarized at open meetings of attestation commissions with the participation of at least 2/3 of their staff.

The results of the final stage of the attestation tests are determined by the grades "excellent", "good", "satisfactory", "unsatisfactory".

5. Recommendations to Graduates on Preparation for the State Final Attestation

Preparation for testing is carried out from a home computer or in computer classes of PRMU on the portal of distance education of PRMU. The student must obtain a username and password. Rehearsal testing is conducted in the presence of staff of the dean's office and specialized departments in a computer classroom.

Practical training is carried out on simulators, phantoms, dummies at the Center for practical skills and the simulation center of the Faculty of Dentistry of PRMU.

6. The program of the state exam.

Discipline 1: "Therapeutic Dentistry"

1. Therapeutic dentistry as the main dental discipline. Achievements of therapeutic dentistry. The contribution of scientists in solving urgent problems at the present stage of development of therapeutic dentistry.
2. Ethical and deontological principles in therapeutic dentistry.
3. Organization of dental care in Russia. Organizational structure of the dental clinic and the dental therapeutic department. Reporting documentation of a dentist.
4. Dental office, its equipment. Organization of admission of dental patients. Medical record as the main medical and legal document, as a material for statistical and scientific research. Rules for filling out and storing a dental patient's medical record.
5. Ergonomics and scientific organization of work in dentistry.
6. Methods of examination of a dental patient in the clinic of therapeutic dentistry. Dental instruments used to examine a dental patient.
7. Epidemiological dental examination of the population. Prevalence and intensity of dental caries.
8. Disinfection, pre-sterilization cleaning and sterilization of dental instruments in practical dentistry.
9. The basic principles of asepsis in therapeutic dentistry. The sanitary and epidemiological regime of the dentist and measures to prevent HIV infection and hepatitis.
10. Hygienic dental education of the population. Motivation of the population for oral hygiene. Intensification and optimization of hygiene. Oral hygiene products. Rational and controlled oral hygiene. Means of plaque indication.
11. Dental educational work. Methods of organization and forms of holding.
12. Professional oral hygiene. Technique of detecting and eliminating dental deposits.
13. Endogenous and exogenous prevention of dental caries.
14. Microbial flora of the oral cavity and its role in the development of pathological processes.
15. Oral fluid, its composition, properties, role and significance for the oral cavity. Factors affecting the formation and mineralization of hard tooth tissues.

- Local immunity of the oral cavity. Role of immune mechanisms in the pathogenesis of oral diseases.
16. Fluoride, its role in the prevention of dental caries. The mechanism of the anticariotic action of fluorine.
 17. Plaque and its role in the occurrence of dental caries.
 18. Anatomical structure of incisors, canines, premolars and molars of the upper and lower jaw. Topographic and anatomical features of the structure of the crown cavities and root canals of incisors, canines, premolars and molars of the upper and lower jaw.
 19. Contact point. Types. Indications and restoration techniques for filling incisors, premolars and molars with various filling materials.
 20. Enamel. Dentin and tooth cement. Structure, chemical composition, functions. Permeability of the tooth enamel.
 21. Tooth decay. Etiology, pathogenesis. Classification, pathological anatomy, morphological changes in tooth tissues at various stages of the development of the carious process. Cariesogenic situation in the oral cavity. Methods of its detection and elimination.
 22. Miller's chemical-parasitic theory of caries. Theory of A.E. Sharpenack and Schatz-Martin. Physico-chemical theory of dental caries by D.A. Entin. Working concept of the pathogenesis of dental caries by A.I. Rybakov. Positive and negative sides of the theory.
 23. Modern concept of dental caries. Caries resistance and caries susceptibility.
 24. Initial caries. Caries of enamel, dentine, cement. Clinic, diagnosis, differential diagnosis, complex etiopathogenetic treatment, modern methods of treatment.
 25. Hyperemia of the pulp. Clinic, diagnosis, differential diagnosis, modern methods of treatment, choice of treatment method.
 26. Errors and complications in the diagnosis and treatment of dental caries. Methods of their prevention and elimination:
 27. Principles and stages of preparation of carious cavities.
 28. Features of preparation and filling of carious cavities 1st, 2nd, 3rd, 4th, 5th, 6th grades of Black.
 29. Polymerization shrinkage of composite filling material. Role and importance of polymerization shrinkage in cavity restoration of 1, 2, 3, 4, 5, 6 Black's classes. Methods of combating polymerization shrinkage.
 30. C-factor. Value of the C-factor in the restoration of cavities 1, 2, 3, 4, 5, 6 Black's classes.
 31. Modul of elasticity. Role and importance of the modulus of elasticity in dental restoration.
 32. Fast-progressing periodontitis. Clinic, diagnosis, differential diagnosis.
 33. Rapidly progressive periodontitis. Modern treatment methods.

34. Chronic generalized periodontitis, abscess phase. Clinic. Modern treatment methods.
35. Halitosis. Local and general causes of halitosis. Modern elimination methods.
36. Motivation, its place, role and importance in the optimization and intensification of oral hygiene.
37. Correction of the acid-base balance of the oral cavity. Methods and means.
38. Criteria for pain symptoms.
39. Technique of reading and describing an intraoral radiograph in the medical record of a dental patient.
40. Method of reading and describing the orthopantomogram in the medical record of a dental patient.
41. Rules for filling out a dental patient's medical record.
42. Errors when filling out a dental patient's medical record.
43. Pulp of the tooth. Histological structure, innervation, blood supply, basic functions. Anatomical and topographic features of the tooth pulp structure.
44. Pulpitis. Classification. Etiology. Pathogenesis. Pathological anatomy of pulpitis.
45. Method of vital amputation and extirpation of the tooth pulp. Indications. Methodology of the procedure.
46. Devital method of pulpitis treatment. Indications and contraindications. Errors and complications arising in the treatment of pulpitis with the use of arsenic paste. Methods of their prevention and elimination.
47. Acute pulpitis. Purulent pulpitis. Chronic pulpitis. Chronic ulcerative and hyperplastic pulpitis. Clinic, diagnosis, differential diagnosis, modern methods of treatment, choice of treatment method. Complications in the treatment of pulpitis, their prevention and elimination.
48. Stages and methods of opening and dissecting the tooth cavity in incisors, canines, premolars and molars.
49. Endodontic tools, classification, methods of application. Creating an apical stop. Endodontic treatment of the root canal. Tools for root canal preparation, purpose and rules of their use.
50. Medical treatment of the root canal. Drying and degreasing of root canal dentin. Preparations, composition, properties.
51. Dental filling materials for root fillings. Classification, composition, properties, indications for use.
52. Working length of the tooth. Methods for determining the working length of the tooth.
53. Errors and complications that occur when working in the root canal. Methods of their prevention and elimination.
54. Methods of root canal obturation. Stages of filling the root canal of gutta-percha. Stages of filling the root canal with paste.

55. Root canal preparation techniques- Crown Down, method of "balanced strength", Step Back.
56. Post-sealing pain. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, methods of prevention and elimination of post-sealing pain.
57. Features of work in difficult-to-pass root canals. Preparations and endodontic tools for working in narrow and poorly passable root canals.
58. Composite filling materials of chemical and light curing. Composition, properties, indications for use, filling features.
59. Hybrid composite filling materials. Compomers. Classification. Composition, properties, indications for use.
60. Primer-adhesive systems. Composition, properties, indications for use, technique of application into the carious cavity.
61. Cements. Amalgam. Composition, properties, indications for use. Preparation method. Features of filling.
62. Sealing of fissures. Indications, contraindications, materials used for sealing fissures, technique. Errors and complications in sealing fissures, methods of their prevention and elimination.
63. Dental filling materials for medical and insulating gaskets. Composition, properties, indications for use.
64. Acute disorders of the general condition of the patient at a therapeutic appointment: fainting, collapse. Their treatment and prevention. Tactics of a dentist.
65. Anesthesia in the practice of therapeutic dentistry.
66. Periodontium. Anatomical and histological structure, innervation, blood supply, functions.
67. Acute apical periodontitis. Chronic periodontitis. Periapical abscess with and without a fistula. Periapical cyst. Etiology, pathogenesis, classification, clinic, diagnosis, differential diagnosis, modern methods of treatment.
68. Enamel hypoplasia. Fluorosis. Imperfect amelo- and dentinogenesis. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
69. Erosion of enamel. A wedge-shaped defect in the hard tissues of the tooth. Hyperesthesia of hard tooth tissues. Etiology, clinic, differential diagnosis, treatment, prevention.
70. Periodontal disease. Anatomical and histological structure, periodontal functions. Periodontal diseases. Modern concepts of etiology and pathogenesis. Criteria for assessing the periodontal condition.
71. Periodontics as a branch of dentistry. Prevalence, terminology, classification of periodontal diseases. Examination of a patient with periodontal pathology.

72. Gingivitis: catarrhal, hypertrophic, ulcerative. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, modern methods of treatment.
73. Periodontitis. Etiology, pathogenesis, pathomorphology, clinic, diagnosis, differential diagnosis, modern methods of treatment.
74. Idiopathic periodontal diseases. Clinic, diagnosis, differential diagnosis, treatment.
75. Periodontal disease. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, modern methods of treatment.
76. Prevention of periodontal diseases. Methods and means. Organization of medical and preventive care for patients with periodontal pathology. Medical examination.
77. Physical methods of prevention, diagnosis and treatment of caries, pulpitis and periodontitis, non-carious lesions of hard tooth tissues, periodontal diseases.
78. Radiological methods of examination of dental patients.
79. Structure of the oral mucosa.
80. Methods of examination of a patient with diseases of the oral mucosa.
81. Pathological processes in the oral mucosa. The elements of the lesion (primary and secondary).
82. Leukoplakia. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
83. Herpes simplex. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
84. The manifestation of HIV infection, syphilis in the oral cavity, diagnosis, differential diagnosis, treatment, prevention.
85. Acute and chronic candidiasis. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
86. Chronic recurrent aphthous stomatitis. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
87. Erythema multiforme exudative. Etiology, clinic, diagnosis, differential diagnosis, treatment.
88. Damage to the mucous membrane of the oral cavity in diseases of the endocrine and cardiovascular systems, diseases of the gastrointestinal tract, hypo- and vitamin deficiency, blood diseases. Clinic, diagnosis, differential diagnosis, treatment.
89. Glossalgia. Etiology, clinic, diagnosis, differential diagnosis, treatment.
90. Red lichen planus. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, prevention.
91. Pemphigus. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.
92. Desquamative glossitis. Diamond-shaped glossitis. A folded tongue. Chronic hyperplasia of the filamentous papillae of the tongue. Etiology, pathogenesis,

- clinic, diagnosis, differential diagnosis, treatment, prevention.
93. Actually cheilitis. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention.
 94. Symptomatic cheilitis. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention.
 95. Cheilitis Manganotti, chronic lip fracture. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention.
 96. Stomatogenic and odontogenic foci of infection. Foci-conditioned diseases. Clinic, diagnosis, differential diagnosis, treatment, prevention.

Discipline 2: "Surgical Dentistry and Maxillofacial Surgery"

1. Asepsis, antiseptics during operations on the face and in the oral cavity. Preventive measures in case of accidental contact with biological liquids at a surgical appointment.
2. Examination of the patient in the surgical department (office). Deontology and medical ethics.
3. Types of local anesthesia in case of dental interventions (injection and non-injection).
4. The choice of analgesia method during tooth extraction surgery. The choice of anesthesia method in the presence of an inflammatory focus.
5. The choice of the method of anesthesia in persons with concomitant pathology (pathology of the cardiovascular, pathology of the endocrine, respiratory systems and allergic reactions).
6. Main groups of anesthetics used in dentistry. Comparative characteristics of pharmacological properties (metabolism, strength and duration of action, efficacy, toxicity). The composition of carpulated anesthetics. Indications and contraindications for use. Vasoconstrictors. Mechanism of action, indications, contraindications to use. Complications.
7. General anesthesia. Indications and contraindications for outpatient dental surgery.
8. Anesthesia for surgical interventions on the upper and lower jaws. Local complications during local anesthesia during surgical interventions on the jaws. Causes, treatment and ways of prevention
9. Techniques for switching off the second and third branches of the trigeminal nerve. Complications, prevention.
10. Intoxication with local anesthetics. Causes, clinic, diagnosis, treatment. Preventive measures. Common complications during local anesthesia in patients with concomitant pathology of the cardiovascular system, respiratory system, and endocrine system. Clinic, diagnosis, ways of prevention.

11. Anaphylactic shock. Quincke's edema. Urticaria. Causes, clinic, diagnosis, treatment.
12. Collapse. Fainting. Clinic, emergency care.
13. Tooth extraction surgery. Indications, contraindications. Preparing the patient for tooth extraction surgery. Wound healing after tooth extraction. The stages of tooth extraction. Tools for tooth extraction.
14. Features of tooth and root extraction on the upper jaw. Choice of tools, methodology. Complications of dental and root extraction surgery on the upper jaw, prevention.
15. Features of extraction of teeth and roots on the lower jaw. Choice of tools and techniques. Complications during the operation of removing teeth and roots on the lower jaw, prevention.
16. Features of removing wisdom teeth on the upper and lower jaw. Technique of execution, possible complications and ways to prevent them. Complex extraction of teeth and roots (using a drill, with the folding of the muco-periosteal flap). Technique of execution. Complications. Prevention.
17. Features of tooth extraction in patients with concomitant pathology (diseases of the blood, cardiovascular system, endocrine system).
18. Local complications after tooth extraction. Bleeding after tooth extraction, lunular pain, alveolitis. Etiology, clinic, treatment, prevention.
19. Periodontitis. Etiology, pathogenesis, classification, diagnostic methods. Acute purulent periodontitis, exacerbation of chronic periodontitis. Chronic periodontitis. Clinic, diagnosis, morphological picture, differential diagnosis of various forms.
20. Periodontal surgery: root amputation, coronoradicular separation, hemisection, root apex resection. Indications and contraindications for various types of operations, preparation of the tooth for surgery, technique of execution. Features of granulotomy surgery in various parts of the jaw. Types of incisions performed. Possible complications, prevention. Errors and complications of combined (conservative surgical) methods of treatment of chronic periodontitis, their prevention.
21. Acute odontogenic periostitis of the jaws. Clinic, diagnosis, treatment. The surgeon's tactics in relation to the "causal tooth" in acute periostitis. Features of periostotomy on the vestibular, lingual, and palatine surfaces. Odontogenic abscess of the hard palate. Clinic, diagnosis, features of surgical treatment.
22. Acute stage of odontogenic osteomyelitis of the jaws. Clinic, diagnosis, features of the course of the mandible. Subacute stage of odontogenic osteomyelitis of the jaws. Clinic, diagnosis, treatment, prognosis. Chronic osteomyelitis of the jaws. Classification, clinic and X-ray picture of various forms of chronic osteomyelitis. Treatment of chronic osteomyelitis of the jaws. Features of surgical intervention on the upper and lower jaw.

23. Differential diagnosis of acute periodontitis, acute periostitis, acute osteomyelitis of the jaws.
24. Teething diseases. Causes, clinic, diagnosis, treatment.
25. Acute odontogenic maxillary sinusitis. Classification, etiology, pathogenesis, clinic. Principles of diagnosis and treatment of acute odontogenic maxillary sinusitis.
26. Chronic odontogenic maxillary sinusitis. Clinic, diagnostics, methods of conservative and surgical treatment. Indications for surgical treatment in chronic odontogenic maxillary sinusitis. Technique of surgical treatment.
27. Acute odontogenic lymphadenitis. Chronic lymphadenitis. Classification, clinic, diagnosis, treatment. Differential diagnosis of specific and non-specific lymphadenitis.
28. Specific inflammatory diseases of maxillo-facial area: actinomycosis, syphilis, tuberculosis, erysipelas, noma. Etiology, clinic, diagnosis, principles of treatment. Boil, carbuncle of the face. Clinic, diagnosis, treatment.
29. Definition of the concept of "odontogenic infection". Relationship of odontogenic infection with general pathology. Etiology, pathogenesis of inflammatory diseases of MFA. Classification according to A.G. Shargorodsky. State of nonspecific immunological reactivity in patients with acute odontogenic inflammatory pathology. Three immunological variants of the development of inflammatory diseases. Ways of spreading infection in abscesses and maxillo-facial area phlegmon of odontogenic origin.
30. Phlegmons of the cellular spaces adjacent to the upper and lower jaws, and spaces where the process spreads along the length. Causes, clinic, diagnosis, features of local and general treatment. Putrefactive necrotic phlegmon of the bottom of the oral cavity.
31. General principles of phlegmon treatment of the face and neck. Methods of conservative therapy.
32. Treatment of acute odontogenic infection. Principles of etiotropic therapy. Choice of antibacterial drugs. Detoxification therapy as a component of complex treatment. Main tasks. Controlled hemodilution. Principles of transfusion treatment. Extracorporeal detoxification methods used in inflammatory maxillo-facial area diseases, indications for use.
33. General principles of surgical treatment of abscesses and phlegmon of the face and neck. Features of making incisions during the opening of abscesses and phlegmon of maxillo-facial area.
34. Complications of odontogenic inflammatory diseases: odontogenic mediasthenitis (causes, clinic, diagnosis, treatment, ways of prevention). Phlebitis of the facial veins. Clinical manifestations, diagnosis, treatment. Features of the facial veins structure. Thrombosis of the cavernous sinus. Intracranial complications. Sepsis. Clinic, diagnosis, treatment. Intracranial complications of odontogenic infection of MFA tissues. Etiology, clinic, diagnosis, treatment, prognosis.

35. Structure and functions of the salivary glands. Methods of examination of patients with diseases of the salivary glands. Classification of diseases of the salivary glands.
36. Reactive dystrophic diseases of the salivary glands. Sjogren's disease and syndrome. Mikulich's disease and syndrome. Hypo- and hypersalivation. Clinic, diagnosis, differential diagnosis, treatment.
37. Acute viral sialoadenitis. Etiology, clinic, diagnosis, differential diagnosis, treatment. Prevention. Acute bacterial sialoadenitis. Classification, pathogenesis, clinic, diagnosis, treatment. Prevention ways.
38. Chronic sialoadenitis: parenchymal, interstitial sialoadenitis, sialodochitis. Clinic, diagnosis, treatment. Salivary stone disease. Clinic, diagnosis, treatment. Comprehensive treatment of chronic sialoadenitis. Methods and means.
39. Tuberculosis. Clinical manifestations in MFA. Differential diagnosis,
40. X-ray research methods used in inflammatory MFA diseases. Indications for use.
41. Methods of examination of patients with injuries of the maxillofacial region.
42. Acute dental injury. Classification of teeth dislocations. Clinic. Diagnostics. Prevention of complications. Forecast.
43. Acute dental injury. Classification of dental fractures. Clinic. Diagnostics. Prevention of complications. Forecast.
44. Fractures of the alveolar process of the upper jaw and the alveolar part of the lower jaw. Classification. Clinic. Diagnostics. Features of the treatment.
45. Classification of non-gunshot lesions of the soft tissues of the face. Clinic and diagnosis, treatment, prevention of complications of facial soft tissue injuries.
46. Classification of fractures of the mandible. Mechanism of displacement of fragments of the lower jaw. Clinic and diagnosis of non-gunshot fractures of the mandible. Treatment of non-gunshot fractures of the mandible. Methods of temporary immobilization in fractures of facial bones. Classification of fractures of the upper jaw. Clinic, diagnosis and treatment of non-gunshot fractures of the upper jaw.
47. Conservative orthopedic methods of permanent immobilization for fractures of facial bones. Indications for surgical methods of immobilization of fractures of facial bones. Types of surgical methods of immobilization
48. Classification of fractures of the jugal bone and arch. Clinic and diagnosis of fractures of the jugal bone, fractures of the jugal arch. Treatment of victims with zygomandibular fractures and fractures of the jugal arch.
49. Combined injury. Features of the clinic, diagnosis and treatment of combined craniofacial injury.
50. Bone regeneration in jaw fractures. Stages of reparative osteogenesis.

51. Classification of dislocations of the mandible. Clinic and diagnosis of dislocations of the mandible.
52. Treatment of patients with dislocations of the lower jaw. Rehabilitation.
53. Statistics and classification of inflammatory complications in non-gunshot fractures of facial bones. Etiology, pathogenesis, clinic, diagnosis of inflammatory complications. Differential diagnosis and treatment (modern techniques).
54. Modern theories of the wounding projectile. Wound ballistics and tissue damage zones.
55. Classification of gunshot wounds of the maxillofacial region. Clinical features of gunshot wounds of the face. Methods of examination. Classification of blind wounds. Clinical picture. Features of diagnosis and treatment. Features of diagnosis and treatment of gunshot wounds of the soft tissues of the face (oral region, salivary glands, eyelids, nose, lateral face, auricles, submandibular region, tongue).
56. Features of gunshot wounds of the lower jaw, upper jaw and orbital bones. Clinic, diagnosis, treatment. Features of gunshot wounds to the zygomatic bone, orbital bones and nose. Clinic, diagnosis, treatment.
57. Pathogenesis of a gunshot wound. General patterns of the course of the wound process. Principles of treatment.
58. Surgical treatment of facial wounds. Types. Principles of primary surgical treatment of facial wounds. Secondary surgical treatment of facial wounds. Indications, features of the procedure. Intensive care for victims with gunshot wounds of the maxillofacial region. Treatment of victims with gunshot wounds of the maxillofacial region.
59. Classification of complications of non-gunshot wounds of the maxillofacial region. Dislocation asphyxia. Features of treatment for mandibular fracture. Asphyxia. Etiology. Pathogenesis. Clinic. Diagnosis and treatment of asphyxia.
60. Bleeding. Traumatic shock. Clinic and treatment of salivary fistulas.
61. Classification of gunshot osteomyelitis of the jaws. Pathogenesis. Features of the treatment of gunshot osteomyelitis of the jaws. Prevention.
62. Classification of facial burns. Clinic and diagnosis of burns of the maxillofacial region. Treatment of burns of the maxillofacial area.
63. Types of combined lesions. Features of diagnosis and treatment. Clinic of combined radiation and mechanical injuries of the maxillofacial region. Features of the course of the wound process in combined lesions. Principles of providing assistance to victims, features of primary surgical treatment of wounds with combined injuries of the maxillofacial region.

64. Physical methods of treatment of injuries to soft tissues and bones of the face. Physical therapy for victims with injuries to the maxillofacial region. Therapeutic nutrition.
65. Congenital and acquired facial deformities. Etiology, pathogenesis. Localization of defects and deformations. Diagnostics. Indications and contraindications for the elimination of MFA defects and deformations. Ways to eliminate deformations of the soft tissues of the face.
66. Basic principles of rehabilitation operations. Types of plastic surgery with local tissues. Healing phases of skin wounds. Plastic patches "on the leg". Variety of patchwork. Methods of operations. Complications.
67. V.P. Filatov's round stem flap. Methods of its formation and migration. Indications. Operation procedure. Complications. Free skin grafting. Types of patches. Methods of taking skin autografts. Donor zones. Postoperative management of wounds.
68. Bone grafting. Auto- and allografts. Different types of implants. Endoprostheses, methods of their fixation. Advantages and disadvantages of implants and endoprostheses. Complications of autotransplantation.
69. Anatomical and topographic structure of the temporomandibular joint. Biomechanics of the temporomandibular joint. Methods of examination of patients with TMJ diseases. Classification of diseases of the temporomandibular joint. Etiology and pathogenesis of inflammatory diseases of the temporomandibular joint.
70. Clinical picture of acute purulent nonspecific arthritis of the temporomandibular joint. Diagnostics. Differential diagnosis.
71. The clinical picture and diagnosis of specific and nonspecific arthritis of the temporomandibular joint. Differential diagnosis.
72. General principles of treatment of inflammatory diseases of the temporomandibular joint. Indications and methods of physiotherapy treatment.
73. Traumatic acute arthritis of the temporomandibular joint. Etiology and clinical picture, diagnosis, differential diagnosis, treatment of acute traumatic arthritis of the TMJ.
74. Traumatic chronic arthritis of the temporomandibular joint. Etiology. Clinical picture. Diagnostics. Differential diagnosis. Treatment.
75. Classification of internal TMJ disorders. Dysfunction of the temporomandibular joint. Etiology and pathogenesis. Clinical picture. Treatment of temporomandibular joint dysfunction.
76. Osteoarthritis of the temporomandibular joint. Etiology and pathogenesis. Clinical picture of sclerosing and deforming osteoarthritis of the temporomandibular joint. Diagnostics. Treatment of osteoarthritis of the temporomandibular joint.
77. Contracture. Classification. Etiology and pathogenesis. Clinic, diagnosis and differential diagnosis. Treatment of mandibular contracture.

78. Ankylosis. Classification. Etiology and pathogenesis of ankylosis. The clinical picture of fibrous and bony ankylosis. Diagnostics. Differential diagnosis. Treatment of ankylosis. Conservative and surgical methods of ankylosis treatment. Modern surgical methods for the treatment of ankylosis.
79. Deformations of the facial skeleton. Etiology, pathogenesis. Clinical picture of deformities in class II anomalies according to Engl.
80. Classification of malocclusion. Diagnosis of facial skull deformities.
81. The clinical picture of deformities in class III anomalies according to Engl.
82. Planning of treatment of deformations of the facial skull. Methods of treatment of deformities (conservative and surgical).
83. Methods of osteotomy of the upper jaw. Types of osteotomy, stages and techniques of execution.
84. Options for osteotomy of the mandible. Stages and techniques of execution.
85. Complications of surgical treatment of deformities of the upper and lower jaws. Prevention and treatment.
86. Theories of carcinogenesis. Principles underlying the classification of tumors of the WHO: anatomical localization, histological type, division into benign and malignant tumors, intermediate tumors.
87. The concept of organ-specific tumors. Definition of the concept of benign tumor, malignant tumor, tumor-like disease.
88. Classification of epithelial cysts of jaws of odontogenic and non – ontogenic origin, non- epithelial cysts of jaws. X-ray picture of epithelial cells. Etiology, diagnosis, pathogenesis, clinic, differential diagnostics of odontogenic and non - pathogenic cysts of jaws. Surgical methods of treatment of jaw cysts. Contraindications and indications. Preparation to surgical treatment.
89. Modern drugs used in the surgical treatment of jaw cysts. Postoperative management of the patient, medical examination. Complications of jaw cysts.
90. Concept of an "odontogenic tumor". Classification of odontogenic tumors. Main methods of diagnosis of odontogenic tumors (X-ray, puncture and incision biopsy). Clinical and radiological, morphological picture, surgical treatment methods, complications of odontogenic tumors. Methods of replacement of mandibular resection defects
91. Classification of non-ontogenic tumors of the jaws. Clinical and radiological characteristics of osteomas, osteoid osteomas, chondromas, osteo-chondromas, fibroids, osteoclastomas. Diagnosis and treatment.
92. Classification of tumor-like formations of the jaws. Clinical and radiological forms of eosinophilic granuloma (focal and diffuse). Diagnostics. Treatment of eosinophilic granuloma.
93. Clinical and radiological characteristics of fibrous dysplasia. Course, diagnosis and treatment.

94. Etiology, pathogenesis, clinical and radiological characteristics of "brown tumors." Treatment. Differential diagnostics of tumor-like formations of the jaws.
95. Methods of investigation of the trigeminal nerve system. The main diseases of the trigeminal nerve. Ideopathic neuralgia, central, peripheral neuralgia. Treatment. Trigeminal neuropathies (traumatic, ischemic, infectious-allergic, iatrogenic). Treatment.
96. Diseases and injuries of the facial nerve system. Etiology, pathogenesis, clinic, diagnosis, treatment of patients with various disease prescription periods.
97. Surgical methods for the treatment of periodontal diseases. Modern approach to the planning of surgical treatment.
98. Main operations on periodontal tissues using methods of tissue displacement and osteoplasty. Postoperative management of patients.
99. Auxiliary operations on periodontal soft tissues. Vestibuloplasty, frenuloplasty, methods of plastic closure of recessions. Stage of operations.
100. Indications and contraindications for the stage of surgical preparation for orthopedic treatment. Determination of the required volume of surgical interventions depending on the choice of the future orthopedic design.
101. The main types of bone plastic surgery: removal of exostoses on the upper and lower jaw, removal of the palatine torus, correction of zygomatic alveolar ridges, oblique lines.
102. Alveolectomy and alveoloplasty. Definition of concepts, indications, contraindications, types and stages of operations.
103. Soft tissue surgery: types, rules of procedure, indications, contraindications, possible complications (frenuloplasty and plastic surgery of buccal-alveolar cords, elimination of scarring of soft tissues of the oral cavity, excision of fibromatous gum growths).
104. The concept of dental implantation. Types of dental implants. Indications, contraindications. Planning of prosthetics based on dental implants. Determination of the required number of implants, preparatory operations. Timing of the stages of treatment and prosthetics. Postoperative appointments.
105. Examination of patients with malignant tumors of MFA. Organization of oncological services and medical examination of patients with malignant tumors. Determination of tumor prevalence by the TNM system.
106. Classification of congenital cysts and fistulas of the face and neck. Modern views on the causes of cysts and fistulas.
107. Etiology, pathogenesis, clinical picture, diagnosis, differential diagnosis and treatment of dermoid and epidermoid cysts. Clinical picture of median cysts (thyroglossal) and neck fistulas, differential diagnosis, treatment. Clinical picture of lateral (brachial) cysts and

- neck fistula, differential diagnosis, treatment. Changes in the clinical picture of congenital cysts and fistulas of the face and neck during their suppuration.
108. Benign tumors of the soft tissues of the maxillofacial region. Classification according to histogenesis. Methods of examination of a patient with benign tumors of the soft tissues of the face.
 109. Concept of precancerous diseases. Classification of precancerous diseases of the oral mucosa and the red border of the lips according to A.A. Mashkileison. Characteristic of obligate precancerous diseases (Bowen's disease, erythroplakia, Keir's erythroplakia, warty or nodular precancerous red lip border, abrasive precancerous heilit Manganotti, limited precancerous hyperkeratosis of red lip border). Characteristics of facultative precancerous diseases (leukoplakia, papilloma and papillomatosis of the palate, cutaneous horn, keratoacanthoma).
 110. Characteristics of facultative precancerous diseases (chronic lip fissure, meteorological and actinic cheilitis, chronic ulcers of the oral mucosa, lichen planus of the red lip border, post-X-ray cheilitis and stomatitis, fistulas, scars after tuberculosis lupus, thermal and chemical burns, submucosal fibrosis). The role of endogenous and exogenous factors in the etiology of precancerous diseases.
 111. Malignant skin tumors (basal cell carcinoma, squamous cell carcinoma, melanoma). Statistics. Basal cell carcinoma (basal cell carcinoma). Forms of the initial period of basal cell carcinoma (tumor, ulcerative, transitional). Squamous cell carcinoma of the skin. Clinical picture of ulcerative and papillary forms. Classification according to TNM. Treatment. Melanoma. Features of the clinical picture and ways of metastasis. Treatment.
 112. Cancer of the lower lip. Clinical forms (papillary, warty, ulcerative and ulcerative-infiltrative). Exophytic and endophytic groups. Classification according to TNM. Treatment.
 113. Cancer of the oral mucosa. Cancer of the tongue. Clinical picture, diagnosis and treatment.
 114. Malignant tumors of the jaws. Clinical picture. Diagnostics. Treatment.
 115. Benign and malignant tumors of the salivary glands. Cysts of the salivary glands.
 116. Radiology of MFA tumors.
 117. General principles of treatment of patients with malignant tumors of MFA. Planning of recovery operations. Theoretical and mathematical foundations of plastic surgery with local tissues. Timing and preoperative preparation of patients. Plastic surgery with a flap on the leg, Filatov stem, free tissue transplantation. Graft selection.

Discipline 3: "Orthopedic Dentistry"

1. Deontology in medicine.
2. Examination of an orthopedic patient. Medical documentation.
3. Asepsis and antiseptics in the clinic of orthopedic dentistry.
4. Anatomy and physiology of the maxillary system.
5. Anatomy and functions of the periodontium.
6. Biomechanics of the mandible.
7. Articulators. Rules for casting jaw models into an occludator and articulator (according to average anatomical data and using a facial arch). Individual adjustment of the articulator.
8. Impression materials. Methods of obtaining imprints. Rules for manufacturing working and diagnostic models of jaws.
9. Polymer cements and compomers. Glass Ionomer cements.
10. Materials for temporary fixation of non-removable prostheses. Indications for the choice of cement for fixing fixed dentures.
11. Casting technology. Casting on refractory models.
12. Prosthetics of defects in the hard tissues of the teeth with tabs. Preparation of the tooth cavity. Choice of the tab manufacturing method.
13. Pin teeth, indications, preparation of the tooth root. Artificial stump with a pin. Comparative characteristics of various types of pin structures.
14. Artificial crowns, types, indications. Preparation of teeth, obtaining impressions.
15. Technology of the collapsible model.
16. Veneers: indications, preparation of teeth, impressions, composition and ceramic materials, methods of fixation.
17. Ceramic crowns. Indications, clinical and technological features, modern manufacturing methods.
18. Clinical and technological features of orthopedic treatment of patients with cast, metalacrylic and cermet crowns.
19. Clinic of partial tooth loss (etiology, classification and pathogenesis).
20. Etiology, pathogenesis, clinic, differential diagnosis of primary and secondary traumatic occlusion.
21. Bridges. Biomechanical basics, the choice of the number of supporting teeth.
22. Clinical and technological features of orthopedic treatment of patients with cast, metalacrylic and metal-ceramic bridges.
23. Issues of intolerance to non-removable dentures. Galvanic phenomena in the oral cavity. Measurement of microcurrents, determination of mucosal sensitivity.
24. Errors and complications in the orthopedic treatment of dental defects and dentition with fixed dentures.
25. Prosthetics of partial loss of teeth of various localization with removable dentures. Definition of central occlusion. Ney's clamp system

26. Removable dentures with a plastic base. Indications, planning, clinical and laboratory techniques of prosthetics. Methods of setting artificial teeth. Types and technology of repairs.
27. Planning of arched and removable dentures with a metal base. Locking systems, classification, indications for use. Telescopic fixation system.
28. Errors in prosthetics with removable dentures with partial loss of teeth.
29. Clinic of complete loss of teeth. Classification of types of atrophy of the alveolar part of the jaws and mucous membrane.
30. Methods of fixing dentures on toothless jaws. Functional impressions.
31. Determination of the central ratio of the jaws.
32. Theoretical foundations of the design of artificial dentitions in complete removable dentures.
33. Methods of setting artificial teeth in removable dentures with complete loss of teeth.
34. Application of removable dentures. Methods of prosthesis correction. Principle of completeness of orthopedic treatment. Forecast. Processes of adaptation to removable dentures.
35. Errors (clinical and technological) that occur in the treatment of patients with complete loss of teeth.
36. Intolerance to removable dentures.
37. Orthopedic treatment of patients with increased erasability of hard tissues of teeth.
38. Etiology, pathogenesis, classification, clinic and differential diagnosis of periodontal diseases.
39. Planning of splinting structures in case of system periodontal diseases. Parallelometry.
40. Types of splinting, tire requirements and their classification. Comparative evaluation of removable and non-removable tires.
41. Features of orthopedic treatment of patients with periodontal diseases complicated by partial tooth loss.
42. Direct prosthetics (types, indications and techniques).
43. Etiology, clinic and treatment of dental deformities.
44. Selective grinding of teeth (indications and techniques).
45. Etiology, clinic and treatment of parafunctions of the masticatory muscles.
46. Prosthetics of patients with partial tooth loss based on implants.
47. Prosthetics of patients with complete loss of teeth based on implants.
48. Etiology, pathogenesis, clinic and diagnosis of TMJ diseases.
49. Techniques for intra- and extra-oral recording of mandibular movements.
50. Orthopedic treatment of patients with TMJ diseases. Orthopedic treatment of habitual dislocations and subluxations of the lower jaw.
51. Classification of jaw fractures, clinic and diagnosis. Mechanism of fragment displacement. Classification of orthopedic devices used for the treatment of jaw fractures.

52. Orthopedic treatment of fractures of the upper and lower jaw.
53. Prosthetics of patients with improperly fused fractures and false joints of the lower jaw.
54. Prosthetics after resection of the upper and lower jaw.
55. Prosthetics of defects of the hard and soft palate.
56. Prosthetics in case of defects of a face. Combined prostheses of a face and jaws.

Discipline 4: "Orthodontics"

1. Features of medical deontology in the orthodontic treatment of children.
2. The subject of orthodontics. The history of orthodontics.
3. Organization of orthodontic care.
4. Clinical examination of an orthodontic patient.
5. An X-ray examination method for an orthodontic patient.
6. Telereöntgenography (indications, methods of conducting and analyzing TRG).
7. Examination methods of temporomandibular joints.
8. Anthropometric research method of diagnostic models of jaws.
9. Functional research methods in orthodontics.
10. Face photo analysis.
11. The influence of bad habits on the development of the dental system.
12. Prevention of dental anomalies.
13. Myogymnastics in the treatment of dental anomalies.
14. Development of the facial skeleton in embryogenesis.
15. Functional and morphological characteristic of toothless mouth of a newborn.
16. Features features and functional and morphological characteristics of milk, removable and permanent bites.
17. Classification of anomalies of the dental system according to WHO and ICD 10.
18. Orthognathic bite. Functional and morphological characteristics.
19. Transitional forms of bites.
20. Etiology, pathogenesis, classification, diagnosis and treatment of an open bite.
21. Etiology, pathogenesis, classification, diagnosis and treatment of crossbite.
22. Etiology, pathogenesis, classification, diagnosis and treatment of distal occlusion.
23. Etiology, pathogenesis, classification, diagnosis and treatment of mesial occlusion.
24. Etiology, pathogenesis, classification, diagnosis and treatment of deep bite.
25. Anomaly in the position of individual teeth. Etiology, clinic and treatment.
26. Anomalies in the number of teeth. Etiology, clinic and treatment.
27. Teething abnormalities. Etiology, clinic and treatment.

28. Etiology, clinic, diagnosis and treatment of dental arch shape abnormalities.
29. Etiology, pathogenesis, diagnosis, clinic and treatment of jaw size abnormalities.
30. Etiology, pathogenesis, diagnosis, clinic and treatment of jaw position abnormalities.
31. Asymmetry of the facial skeleton.
32. Congenital malformation features of the facial skeleton. Clinic, diagnosis, treatment.
33. Classification of orthodontic devices.
34. Types of tooth movement in orthodontic treatment.
35. Changes in periodontal disease under the influence of orthodontic treatment.
36. Non-oral devices used to treat anomalies of the dental system.
37. Orthodontic devices of mechanical action.
38. Orthodontic devices of functional action.
39. Orthodontic devices of combined action.
40. Activators and regulators of functions.
41. Preventive devices. Administration, indications, kinds, application features.
42. Retention devices. Administration, indications, kinds, application features.
43. Types and characteristics of bracket systems.
44. Stages of treatment of anomalies of the maxillary system using a bracket system.
45. Anatomical and physiological development features of recurrence of malocclusion.
46. Prosthetics of teeth in children.
47. Recommendations for patients on oral care in the treatment of removable and non-removable orthodontic devices.

Discipline 5: "Pediatric dentistry"

1. Epidemiological dental examination of the Russian child population. Age groups. Purpose and objectives. Assessment of dental status according to WHO criteria, methods of data registration.
2. The history of the development of pediatric dentistry. The role of Russian scientists in the development of pediatric dentistry
3. Organization of dental care for children in Russia.
4. Sterilization of dental instruments for pediatric dental care. The stages of disinfection and sterilization. Methods and means.
5. Sanitary and epidemiological mode of operation of a pediatric dentist. Measures to prevent HIV infection, hepatitis B and tuberculosis in children.
6. Dental caries in children. Intensity and prevalence indices

of the carious process. Modern ideas about the etiology and pathogenesis of caries in children.

7. Development of teeth. Factors affecting the formation and mineralization of hard tissues of temporary and permanent teeth.
8. The timing of eruption of temporary teeth and the timing of formation, resorption of the roots of temporary teeth. The reasons that disrupt these processes.
9. The timing of the eruption of permanent teeth and the timing of the formation of the roots of permanent teeth. The reasons that disrupt these processes.
10. Exogenous and endogenous prevention of dental caries in children. Antenatal prevention of caries.
11. Dental caries in children. Features of the localization and course of caries in temporary and permanent teeth. Clinic, diagnosis, differential diagnosis.
12. Features of local and general treatment of caries of temporary and permanent teeth in children. The choice of treatment method depends on the age of the child, the group affiliation of the tooth and the localization of the carious cavity
13. Premedication and pain relief in pediatric therapeutic dentistry. Age and individual indications for the use of anesthesia and premedication in children.
14. Pulp of the tooth. Features of its structure, blood supply, and innervation in children. Pulp functions.
15. Pulpitis of temporary and permanent teeth in children. Classification, etiology, pathogenesis, clinic, diagnosis, differential diagnosis.
16. Vital methods of treatment of pulpitis in children. Indications. Methodology of the procedure. Evaluation of the effectiveness of treatment, prevention of complications.
17. Devital methods of treatment of pulpitis in children. Indications, methods of conducting. Errors and complications arising in the treatment of pulpitis with the use of devitalizing pastes, their prevention and elimination.
18. Anatomical and physiological features of the periodontal structure in childhood. Periodontal functions.
19. Periodontitis of temporary and permanent teeth in children. Classification. Etiology. Features of the pathogenesis and clinical course of periodontitis in childhood. Diagnosis, differential diagnosis of periodontitis of temporary and permanent teeth in children.
20. Methods of treatment, determination of possible limits of therapeutic treatment. Errors and complications in the treatment of periodontitis in children. Methods of their prevention and elimination.
21. Hereditary malformations of enamel and dentin. Clinic, diagnosis, differential diagnosis, treatment, prevention.
22. Pathological changes in the hard tissues of the tooth that occur during its development. Hypoplasia. Fluorosis. Etiology, clinic, diagnosis, differential diagnosis, treatment, prevention.
23. Classification of traumatic dental injuries in children. Methods of examination of a child with a dental injury.

24. Fracture of the crown of temporary and permanent teeth in children. Clinic, diagnosis, treatment, prognosis.
25. Fracture of the root of temporary and permanent teeth in children. Clinic, diagnosis, treatment, prognosis.
26. Periodontal diseases in children. Classification, etiology, pathogenesis. Methods of examination of a child with periodontal diseases.
27. Periodontal diseases in children. Features of clinical manifestation, course and treatment.
28. Idiopathic periodontal diseases in children. Clinic, diagnosis, differential diagnosis, treatment.
29. Acute and chronic mechanical injury of the oral mucosa in children. Etiology, clinic, differential diagnosis, treatment.
30. Chemical burns of the oral mucosa in children. Clinic, diagnosis, differential diagnosis. Tactics of a dentist
31. Thermal burns of the oral mucosa in children. Clinic, diagnosis, differential diagnosis Tactics of a dentist.
32. Radiation lesions of the oral mucosa in children. Clinic, diagnosis, differential diagnosis, treatment.
33. Acute herpetic gingivostomatitis in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention.
34. Candidiasis. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.
35. Recurrent aphthous stomatitis in children. Clinic, differential diagnosis, principles of treatment.
36. Ulcerative necrotic gingivitis in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.
37. Manifestations of allergic diseases in the oral cavity in children. Clinic, diagnosis, treatment.
38. Manifestation of infectious diseases in the oral cavity in children. Clinic, diagnosis, treatment.
39. Diseases of the lips in children. Classification. Clinic, diagnosis, differential diagnosis and treatment.
40. Diseases of the tongue in children. Classification. Clinic, diagnosis, differential diagnosis, treatment.
41. Damage to the mucous membrane of the oral cavity caused by tuberculosis and syphilitic infection. Tactics of a dentist.
42. Manifestations on the oral mucosa in blood diseases in children. Clinic, diagnosis. Tactics of a dentist.
43. Changes in the mucous membrane of the oral cavity in diseases of the gastrointestinal tract, hypovitaminosis. Clinic, diagnosis. Tactics of a dentist.
44. Medical examination of children by a dentist at a therapeutic appointment.
45. Planned rehabilitation of children by a dentist.

Pediatric Surgical Dentistry

1. Methods of examination of a child at a surgical dental appointment.
2. Features of anesthesia in pediatric dental practice. Types of anesthesia for various interventions in children's maxillo-facial area, principles of choice of anesthetics and methods of anesthesia. Indications for general anesthesia. Types of anesthesia. Complications of anesthesia and their prevention.
3. Etiology, pathogenesis, clinic of emergency conditions in children. Organization and implementation of intensive care measures.
4. Indications and contraindications for the operation of removing temporary and permanent teeth in children.
5. Features of the operation of tooth extraction in a child. Complications during and after tooth extraction surgery in a child
6. Trauma of temporary and permanent teeth in children. Types of injuries. Clinic, diagnosis, differential diagnosis. Surgical care and methods of its implementation in children, prognosis of treatment.
7. Acute and chronic periostitis of the jaws in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention, outcome of the disease.
8. Odontogenic osteomyelitis of the jaw. Acute and chronic stages. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, prevention, outcome of the disease.
9. Hematogenous osteomyelitis of facial bones in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.
10. Odontogenic focus of infection in children. The development of foci of conditioned diseases in childhood. Tactics of a dentist.
11. Acute and chronic inflammatory diseases of the salivary glands in children. Methods of examination of children with diseases of the salivary glands. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment.
12. Lymphadenitis in children. Etiology, pathogenesis, clinic, differential diagnosis and treatment.
13. Adenophlegmon in children. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis, treatment, outcome of the disease
14. Trauma to soft tissues of the face and nasal cavity in children. Etiology, clinic, prevention of children's injuries. Emergency surgical care and methods of its implementation.
15. Fractures of the upper jaw in children. Features of the clinic, diagnosis, differential diagnosis, treatment, outcome of the disease.
16. Fractures of the lower jaw in children. Features of the clinic, diagnosis, differential diagnosis, treatment, outcome of the disease
17. Jaw cysts in children. Etiology, classification. Radicular cysts. Follicular cysts. Clinic, differential diagnosis, treatment, outcomes of the disease.

18. Surgical methods for the treatment of chronic periodontitis in temporary and permanent teeth in children.
19. Diseases of the temporomandibular joint in children. Classification, differential diagnosis. Principles of treatment and prevention.
20. Methods of examination of a child with TMJ diseases.
21. Functional articular and muscular diseases of temporomandibular joint in children. Classification, research methods.
22. TMJ pain muscle dysfunction syndrome. Etiology, clinic, diagnosis, differential diagnosis. Treatment.
23. Juvenile dysfunction of the temporomandibular joint. Etiology, clinic. diagnostics. Treatment.
24. Arthritis. Etiology, forms, clinic, diagnostics, differential diagnosis, treatment.
25. Deforming osteoarthritis in children. Etiology, clinic, diagnosis, differential diagnosis. Principles of treatment.
26. Ankylosis of the temporomandibular joint in children. Clinic diagnosis, treatment.
27. Benign tumors of the soft tissues of the face in children. Capillary and cavernous hemangiomas. Clinic, diagnosis, differential diagnosis. Treatment.
28. Lymphangiomas in children. Classification. Clinic, diagnosis, differential diagnosis and treatment.
29. Methods of treatment of vascular neoplasms on maxillo-facial area in children.
30. Benign neoplasms of the oral mucosa in children. Papilloma. Fibroma. Clinic, diagnosis, differential diagnosis and treatment.
31. Benign tumors of the facial bones in children. Clinical picture, treatment methods.
32. Odontoma. Clinic, diagnosis, differential diagnosis and treatment.
33. Fibroma. Clinic, diagnosis, differential diagnosis and treatment.
34. Chondroma. Clinic, diagnosis, differential diagnosis treatment
35. Osteoma. Clinic, diagnosis, differential diagnosis and treatment.
36. Outpatient oral surgery in children. Plastic frenulum of the upper and lower lips, plastic frenulum of the tongue, vestibule of the oral cavity. Indications for surgery. Methods of conducting.
37. Tumor-like diseases of maxillo-facial area in children. Fibrous osteodysplasia. Clinic, diagnosis, differential diagnosis. Principles of treatment.
38. Cherubism. Etiology, pathogenesis, clinic, diagnosis, differential diagnosis. Principles of treatment.
39. Oncological alertness of a dentist at a surgical appointment.
40. Osteogenic jaw sarcoma in children. Clinic, diagnosis, treatment.
41. Reticular sarcoma of the jaws in children. Clinical picture. Diagnosis, treatment.
42. Ewing's sarcoma. Clinic. Diagnostics. Treatment.

43. Congenital malformations of the maxillofacial region in children. Clinic, diagnosis, treatment stages.
44. Rehabilitation of children with congenital pathology of the maxillofacial region. Medical and genetic counseling, forecasting the development of malformations of the maxillofacial region in children.
45. Medical examination of children by a dentist during a surgical appointment.

7. Educational and methodological material of the state exam.

7.1. Sample test tasks.

Indicate one correct answer

1. NERVE THAT CAN BE DAMAGED IN THE THICKNESS OF THE PAROTID SALIVARY GLAND WHEN PERFORMING AN OPENING OF PURULENT MUMPS:

- 1) mandibular
- 2) maxillary
- 3) facial
- 4) glossopharyngeal
- 5) alveolar

2. A MEANS OF LOCAL TREATMENT OF CANDIDIASIS:

- 1) ointment "Solcoseril"
- 2) ointment "Kanesten"
- 3) oxoline ointment
- 4) florenal ointment
- 5) hydrocortisone ointment

7.2 Sample assignments for practical training.

1. Provide emergency care in case of sudden death in an adult.
2. Get an alginate impression from the upper jaw.

7.3 A sample of situational tasks.

Situational task for therapeutic dentistry No. 21

Patient M., 24 years old, went to the dentist with complaints of pain and bleeding gums, which increase during meals, an unpleasant odor from the mouth, burning and soreness of the lips.

From the anamnesis: the lips acquired their real appearance about 3 days ago after the tattoo procedure.

Objectively: the skin is physiologically colored. The red border of the upper and lower lip is swollen, hyperemic, and bumpy. Gum

is hyperemic, edematous, when probed – intense bleeding, dentoalveolar pockets up to 3.5 mm. Dentoalveolar papillae in the dental area 3.3, 3.2, 3.1, 4.1, 4.2, 4.3 deformed, barrel-shaped, easily lag behind the surface of the crowns of the teeth, the symptom of vasoparesis is positive. There are abundant deposits of soft plaque and tartar on all tooth surfaces. IG=3.4 points for Green-Vermillion. Close position of the teeth in the anterior part of the upper and lower jaw. Teeth 2.6, 3.7, 4.6 previously sealed, fillings partially destroyed; tooth 1.5 has a carious cavity on the distal surface, tooth 3.6 is missing, teeth 1.8, 4.8 have not erupted.

Questions:

1. Make a preliminary diagnosis.
2. Make a differential diagnosis.
3. Make a definitive diagnosis.
4. Make a treatment plan.
5. Hypertrophic gingivitis. Etiology, clinic, diagnostics, differential diagnosis, modern methods of treatment.
6. Local immunity of the oral cavity. Role of immune mechanisms in the pathogenesis of oral diseases.

Situational task for orthopedic dentistry No. 1-O

Patient A., 52 years old, went to the clinic complaining of a violation of aesthetics: when talking, the upper teeth are not visible and the nasolabial folds are pronounced. A week ago, removable dentures were made and applied with complete loss of teeth on both jaws.

Objectively: the general condition is satisfactory, the nasolabial and chin folds are strongly pronounced, the corners of the mouth are lowered, the height of the lower third of the face is reduced by 4 mm. The alveolar process of the upper jaw and the alveolar part of the lower jaw are moderately atrophied, the palatine torus is not pronounced. The mucous membrane of the oral cavity is slightly malleable, without visible pathological changes.

Questions:

1. Classification of functional impressions.
2. Make a diagnosis.
3. What mistakes were made by the doctor in the previous stages of the treatment?
4. Your management tactics for this patient.
5. The technique of volumetric modeling.

7. Recommended literature for preparing for the state exam.

Basic:

1. Abscesses and phlegmons of the maxillofacial region: study guide / E. A. Durnovo, A. I. Korsakova, I. V. Vyseltseva [et al.]. – N. Novgorod: Publishing House of Privolzhskiy Research Medical University, 2021 // Electronic resource: http://nbk.pimunn.net/MegaPro/UserEntry?Action=Link_FindDoc&id=224823&idb=0
2. Fundamentals of oral and maxillofacial prosthodontics: textbook / E.N. Zhulev, A.V. Kochubeynik, M.Yu. Saakyan, I.P. Goryacheva. – Nizhny Novgorod: Publishing House of Privolzhsky Research Medical University, 2021. – 200 p. ISBN 978-5-7032-1429-9
3. Methodical Instructions for the clinical practice in therapeutic stomatology for the 4-th year students of the faculty of Dentistry as «The Assistant of a dental therapist» / comp. by O.A. Uspenskaya, MD, PhD; A.A. Aleksandrov, MD, PhD, L.K. Ellarian, MD, PhD. - Nizhny Novgorod: Publishing House of NNSMA, 2017. - 46 p.
4. Non-carious lesions: Manual / O.A. Uspenskaya, S.A. Spiridonova - Nizhny Novgorod: Publishing House of Privolzhsky Research Medical University, 2021. - 76 p. Access mode: http://nbk.pimunn.net/MegaPro/UserEntryAction=Link_FindDoc&id=217904&idb=0
5. Orthopedic dentistry: textbook. – 2nd Edited by E.S. Kalivrajian, I.Yu. Lebedenko, E.A. Bragina, I.P. Ryzhova.ed. Moscow: GEOTAR-Media, 2018. – 800 p. // Electronic resource: [https://www.rosmedlib.ru/book/ISBN9785970437056.html?custom_pat_file=rosmedlib&custom_pat_id=book.main_frame.\(id\)&custom_pat_use_id=book.main_frame.\(x\)&XPartner=medknigaservis](https://www.rosmedlib.ru/book/ISBN9785970437056.html?custom_pat_file=rosmedlib&custom_pat_id=book.main_frame.(id)&custom_pat_use_id=book.main_frame.(x)&XPartner=medknigaservis)
6. Oral Surgery: textbook / edited by S.V. Tarasenko. – Moscow: GEOTAR-Media, 2023. – 640 p.: ill. – ISBN 978-5-9704-7080-0
7. Oral Surgery: textbook / Tarasenko. – Moscow : GEOTAR-Media, 2023. – 640 p. – ISBN 978-5-9704-7080-0.
8. Pediatric dentistry: textbook / eds Yanushevich O.O., Kiselnikova L.P., Topolnitsky O.Z. - Moscow: GEOTAR-Media, 2020.
9. Periodontal diseases: handbook / A.V. Kochubeynik, M.Yu.Saakyan, I.P.Goryacheva, O.A.Uspenskaya, N.V.Kruglova. Nizhny Novgorod - Privolzhskiy Research Medical University, 2020. - 48 p.
10. Persin, L.S. Orthodontics: Modern Methods of Diagnosing Dental Abnormalities,

Dentition and Occlusion: tutorial : учебное пособие / L.S. Persin. – Moscow : GEOTAR-Media, 2021. – 160 с. – ISBN 978-5-9704-6337-6.

11. Textbook / ed. by V.M. Elizarova - Moscow: Publishing house GEOTAR-Media, 2017 - 216 p.: ill., tabl., colored ill.; (Diagnostic and treatment algorithms)
12. Therapeutic Dentistry for the 4th year students / Н. Э. Колчанова, А.А. Пожарицкая, Ю.П. Чернявский, Н.А. Байтус. – Витебск: ВГМУ, 2020. – 262 с. – ISBN 9789855800119. – Текст : электронный.

Additional:

1. Diseases of the oral mucosa: a textbook. O. A. Uspenskaya, E. N. Zhulev. NizhGMA Publishing House, 2017. – 504 p.
2. Examination of a patient in the clinic of orthopedic dentistry (manual): Zhulev E.N., Ershov P.E., Kochubeynik A.V. N. Novgorod: Publishing house of NSMA, 2015. - 60 pages.
3. Organization of the work of the department of orthopedic dentistry and dental laboratory (educational manual). Zhulev E.N., Ershov P.E. Nizhny Novgorod: NGMA Publishing House, 2016. - 64 p.
4. Oral surgery for the General Dentist / H. F. Sailer, G. F. Pajarola; Sailer Hermann F.; Pajarola Gion F. – [Б. и.], 1999. – 360p. – (Color Atlas of Dental Medicine). – ISBN 3-13-108241-0.
5. Pediatric dentistry: infancy through adolescence / edited by J. R. Pinkham. – 4th ed. – S.I.: Elsevier Saunders, 2005. – 750 с.: ил. – ISBN 0-7216-0312-2.

8. Criteria for Evaluating the Results of Passing the State Exam

"EXCELLENT" is awarded for complete and detailed answers to questions for situational tasks in all disciplines (see paragraph 2.1.), free and logical handling of theoretical knowledge and applied issues.

"GOOD" is awarded for answers to questions for situational tasks in all disciplines (see paragraph 2.1.), but without sufficient justification of certain theoretical provisions and practical situations set out in the exam ticket.

"SATISFACTORY" is awarded for a superficial answer, inconsistent and not reasoned presentation of the material, necessary for solving situational tasks, lack of confidence in the answer.

"UNSATISFACTORY" is awarded for incomplete answers to all questions on the exam ticket, for answers that are not on the merits of the question, for lack of answers in one or more disciplines included in the situational task.

The results of the attestation are announced to the graduate on the same day after the registration and approval in accordance with the established procedure of the minutes of the meeting of the State Attestation Commission.

A student who has not passed one of the first two stages of the attestation tests is not allowed to be interviewed (retake is not allowed).

A graduate who has not passed the final state certification in due time is expelled from a higher educational institution with the issuance of an academic certificate or, at his request, a diploma of incomplete higher education.

Repeated passage of the final state attestation is allowed by the decision of the State Attestation Commission during its work.

For graduates who have not passed the final state attestation for a good reason, the rector of the university may extend the period of study until the next period of work of the State Attestation Commission, but for a period not exceeding one year.

Compiled by: Dr. Kochubeynik A.V. – Dean of the Faculty of Dentistry, Prof. Sahakyan M.Yu. - Head of the Department of Orthopedic Dentistry and Orthodontics, Prof. Uspenskaya O.A. - Head of the Department of Therapeutic Dentistry, Prof. Durnovo E.A. - Head of the Department of Surgical Dentistry and Maxillofacial Surgery with a course of plastic surgery, Prof. Kosyuga S.Yu. - Head of the Department of Pediatric Dentistry

10. Change Sheet

Date of the modification	Date and № of the protocol meeting of the Academic Council of the Faculty of General Medicine	Contents of the change	Signature