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**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**Federal State Budgetary Educational Institution**  
**of Higher Education**  
**«I.N. Ulianov Chuvash State University»**  
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

Medical Faculty  
Oral and Maxillofacial Surgery and Dentistry Department

«APPROVE»  
Vice-rector for Academic Affairs

  
I. E. Poverinov

« 13 » 04 2022

**WORKING PROGRAM OF PRACTICAL TRAINING**  
**on-the-job training**

(practical training in obtaining professional skills and professional experience (in surgical dentistry))

Speciality - 31.05.03 Dentistry

Directivity (profile) – "Dentistry"

Qualification of a graduate: Dental practitioner

The aspect of practical training - on-the-job training

Type of practical training - practical training in obtaining professional skills and professional experience (in surgical dentistry)

The year of beginning the training - 2022

The working program of the practical training is based on the requirements of the federal state educational standard of higher education - specialist's degree program by specialty 31.05.03 Dentistry, approved by Order of the Ministry of Science and Higher Education of the Russian Federation № 984 dated August 12, 2020, Order of the Ministry of Health of the Russian Federation dated September 3, 2013 №620n "On Approving the Procedure for Organizing and Conducting Practical Training of Students Mastering Professional Educational Programs of Medical Education, Pharmaceutical Education".

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*DISCUSSED:*

at the meeting of Maxillofacial Surgery and Dentistry Department on March 25, 2022, record № 10

Head of Maxillofacial Surgery and Dentistry Department V.V. Trubin

*AGREED BY:*

Methodological Commission of the Medical Faculty on March 28, 2022, record № 4

Dean of the Faculty V.N. Diomidova

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### **1. Purposes and objectives of training when passing the practical training**

The purpose of the on-the-job training for obtaining professional skills and professional experience (in surgical dentistry) is to train a dental practitioner who is able to provide outpatient surgical dental care.

Tasks of on-the-job training:

The practical training in obtaining professional skills and experience of professional activity (in surgical dentistry) for students trained to become dentist's (surgeon's) assistants is aimed at consolidating theoretical knowledge and practical skills acquired during the course of surgical dentistry in 5,6,7 semesters, namely:

- on the structure and organization of a medical dental institution, surgical department (office) of a polyclinic;
- on maintaining medical records (accounting and reporting, maintaining medical records, execution of a sick leave, analysis of the main quality indicators of work);
- on sterilization regime of instruments, the rules of accounting and storage of medicines;
- on methods of diagnosis of the most common dental diseases of surgical profile;
- on methods of surgical treatment of patients in an outpatient setting and preparation of the patient for hospitalization in a maxillofacial in-patient facility;
- on determining indications for patients' treatment in a maxillofacial in-patient facility.

### **2. Mode and type of practical training, method and forms of its implementation**

The practice is conducted in the form of practical training in accordance with the academic schedule and curriculum.

The aspect of practical training - on-the-job training

Type of practical training - practical training in obtaining professional skills and professional experience (in surgical dentistry)

Method of practical training - extra-mural, stationary.

The form of carrying out the practical training is discrete by type of practice - by allocating a continuous period of training time in the calendar training schedule for each type (set of types) of practical training.

Place and time frame of the on-the-job training. The basis for on-the-job training is the surgical departments of dental polyclinics.

Practical training during the practice is organized by performing certain work types related to the students' future professional activities.

Students who combine training with labour activity have the right to pass practical training at the place of their labour activity in cases where the professional activity carried out by them meets the requirements of the educational program for practical training.

To guide the practice carried out in specialized university departments, the head of the practice is appointed from among the persons belonging to the teaching staff of the department responsible for implementing the educational program (hereinafter referred to as the EP). To guide the practical training conducted in a relevant organization, the head of the practical training is appointed from among the persons belonging to the teaching staff of the department responsible for implementing the EP, and the head (heads) of the practical training from among the employees of the relevant organization. The student's referral to practical training is issued in the form of a Student-Trainee's Permit (Appendix 1).

Practical training for students with disabilities and physical conditions is carried out taking into account the peculiarities of their psychophysical development, individual capabilities and health status.

### **3. Planned learning outcomes during passing the practical training, correlated with the results of uptaking the educational program.**

| <b>Competence code</b> | <b>Competence achievement</b> | <b>Planned learning outcomes</b> |
|------------------------|-------------------------------|----------------------------------|
|------------------------|-------------------------------|----------------------------------|

|  | <b>indicator</b>  |  |
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| <p>GPC-2<br/>He /she is able to analyze the results of their own activities to prevent professional mistakes</p> | <p>GPC-2.1.<br/>GPC-2.1 He/she is able to analyze the effectiveness and safety of medical interventions</p>                               | <p><b>Know:</b><br/>Groups of pharmaceutical products used to provide medical care in the treatment of dental diseases, their mechanism of action, medical indications and contraindications to their administration; compatibility, possible complications, side effects, adverse reactions, including serious and unforeseen ones<br/><b>Be able to:</b><br/>Have the skills of independent analytical work with various sources of information, as well as willingness to analyze the results of their own activities to prevent professional mistakes<br/><b>Master:</b><br/>Providing medical care to children and adults for sudden acute diseases, conditions, exacerbation of chronic diseases without obvious signs of a threat to the patient's life in an urgent form</p>   |
|  | <p>GPC-2.2.<br/>GPC-2.2 He/she is able to plan measures aimed at preventing complications of medical interventions</p>                    | <p><b>Know:</b><br/>Preventive measures that prevent the development of complications of medical interventions<br/><b>Be able to:</b><br/>Plan measures aimed at preventing complications of medical interventions<br/><b>Master:</b><br/>The use of pharmaceutical products and medical devices when providing medical care to patients with complications of medical interventions</p>   |
|  | <p>GPC-2.3.<br/>He/she is able to conduct and monitor the effectiveness of measures to prevent complications of medical interventions</p> | <p><b>Know:</b><br/>Preventive measures that prevent the development of complications of medical interventions<br/><b>Be able to:</b><br/>Conduct and monitor the effectiveness of measures to prevent complications of medical interventions<br/>- work with laws, subordinate legislation, regulatory and methodological literature regulating examination of temporary disability and quality control of medical care;<br/><b>Master:</b><br/>Methods of preventing and treating complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of pharmaceutical products and (or) medical devices, non-drug treatment at a dental appointment<br/>Prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of pharmaceutical products and (or) medical devices, non-drug treatment at a</p> |

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| <p>GPC-5<br/>He/she is able to examine a patient to make a diagnosis when solving professional tasks</p> | <p>GPC-5.1<br/>Masters the algorithm of a patient's examination</p>   | <p>dental appointment</p> <p><b>Know:</b><br/>The basics of the legislation of the Russian Federation, the main regulatory and technical documents on public health protection.<br/>- dental instruments and equipment</p> <p><b>Be able to:</b><br/>Interpret the examination results;<br/>- make the patient's preliminary diagnosis, outline the scope of additional examinations to clarify the diagnosis;<br/>- formulate a clinical diagnosis;</p> <p><b>Master:</b><br/>Methods of maintaining medical accounting and reporting documentation in medical organizations.<br/>- assessing the state of dental health of the population of various age and gender groups;<br/>- methods of general clinical examination of patients;<br/>- clinical methods of examining the maxillofacial area;</p> |
|  | <p>GPC-5.2<br/>He/she masters patient examination skills (complaints, history taking, physical examination)</p> | <p><b>Know:</b><br/>Rules and sequence of the questioning, examination of the patient;<br/>- the main clinical manifestations of dental diseases</p> <p><b>Be able to:</b><br/>Take a complete medical history of the patient, including data on the condition of the oral cavity and teeth;<br/>- conduct the patient's questioning and his relatives (collect biological, medical, psychological and social information)</p> <p><b>Master:</b><br/>Methods of objective patient's examination;<br/>Methods of examining the patients maxillofacial diseases</p>  |
|  | <p>GPC-5.3<br/>He/she is able to analyze the information obtained during examination of the patient</p>         | <p><b>Know:</b><br/>Clinical presentation, features of the course and possible complications of the most common diseases developing in a typical form;<br/>- clinical manifestations of major syndromes requiring surgical treatment;</p> <p><b>Be able to:</b><br/>Assess the conditions arising from acute diseases, exacerbation of chronic dental diseases;</p> <p><b>Master:</b><br/>Algorithms and methods for detecting acute sudden illnesses and chronic diseases, as well as diseases that pose a threat to the patient's life, including clinical death conditions;<br/>- taking the history and analysis of the patient's complaints, his anamnesis data,</p>  |

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| <p>PC-1<br/>He/she is able to conduct examinations of the patient in order to make a diagnosis</p> | <p>PC-1.1<br/>He/she is able to conduct a physical examination of the patient (taking complaints and history, examination, palpation, percussion)</p>                | <p><b>Know:</b><br/>Maxillofacial anatomy, features of blood supply and innervation; structure of teeth; histology and embryology of the oral cavity and teeth, the main disorders of embryogenesis<br/>Materials science, technologies, equipment and medical products used in dentistry<br/><b>Be able to:</b><br/>Conduct an objective examination in maxillofacial diseases;<br/>- use methods of additional examination;<br/>- develop a patient examination plan taking into account the course of the disease;<br/><b>Master:</b><br/>Methods of examining children and adults with dental surgical diseases of the oral mucosa and lips, teeth and jaws determination of indications for referral to specialist doctors</p>   |
|  | <p>PC-1.2<br/>He/she is able to analyze the information obtained during the physical examination, additional examination methods, formulate an initial diagnosis</p> | <p><b>Know:</b><br/>Algorithms for providing surgical dental care;<br/>- clinical manifestations of major syndromes requiring surgical treatment;<br/><b>Be able to:</b><br/>Formulate a preliminary diagnosis, to justify the indications for the chosen method of treatment, taking into account etiotropic and pathogenetic agents;<br/><b>Master:</b><br/>Interpreting the results of laboratory, instrumental diagnostic methods in patients of different ages;<br/>- the technique of reading various types of radiographs.</p>   |
|  | <p>PC-1.3<br/>He/she is able to formulate a clinical diagnosis based on the information received</p>   | <p><b>Know:</b><br/>Modern methods of clinical, laboratory and instrumental diagnostics of patients with therapeutic, surgical and infectious profile.<br/><b>Be able to:</b><br/>- take a complete medical history of the patient, including data on the condition of the oral cavity and teeth;<br/>- conduct questioning of the patient and his relatives (take biological, medical, psychological and social information)<br/>- use pharmaceutical drugs and medical devices when providing medical care in emergency or urgent forms<br/><b>Master:</b><br/>Development of a treatment plan for children and adults with dental diseases, taking into account the formulated clinical diagnosis, age and clinical presentation in accordance with current procedures</p> |

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|   |  | for providing medical care, clinical recommendations, taking into account the standards of medical care  |
| <p>PC-2<br/>He/she is able to prescribe, monitor the effectiveness and safety of non-drug and pharmacological treatment</p> | <p>PC – 2.1<br/>He/she is able to develop a treatment plan, prescribe pharmaceutical drugs, non-drug treatment, medical devices in accordance with current order of rendering medical aid, clinical recommendations (treatment protocols) on issues related to rendering medical aid</p> | <p><b>Know:</b><br/>The procedure for providing medical care to adults with dental diseases<br/>Clinical recommendations on the issues of providing medical care to patients with dental diseases<br/>Standards of medical care<br/>Methods of medicamentous and non-drug treatment, medical indications for the use of medical devices for dental diseases</p> <p><b>Be able to:</b><br/>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<br/>Select and prescribe pharmaceutical products, medical devices (including dental materials), dietary nutrition, therapeutic and wellness regimen to treat children and adults with dental diseases in accordance with current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p><b>Master:</b><br/>Choosing and administering pharmaceutical products, medical devices (including dental materials) to treat dental diseases in children and adults in accordance with current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care<br/>Administration of dietary nutrition, therapeutic and health regime in the treatment of dental diseases in children and adults in accordance with current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> |
|   | <p>PC – 2.2<br/>He/she is able to monitor the effectiveness and safety of treatment prescribed, if necessary, to adjust it in accordance with current procedures for providing medical care, clinical recommendations (treatment protocols)</p>  | <p><b>Know:</b><br/>Principles, techniques and methods of anesthesia, choosing the type of local anesthesia in the treatment of dental diseases<br/>Methods of preventing or eliminating complications, side effects, adverse reactions, including serious and unforeseen ones, that occurred during the examination or treatment of patients with diseases of the teeth, pulp, periodontium, parodontium, oral and lip mucosa<br/>Features of providing medical care in emergency forms for dental diseases.</p> <p><b>Be able to:</b></p>  |

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|  | <p>on issues related to rendering medical aid</p> | <p>Determine medical indications and contraindications to implement the methods of local anesthesia in the maxillofacial region</p> <p>Carry out local anesthesia (topical, infiltration, conduction) in children and adults with dental diseases</p> <ul style="list-style-type: none"> <li>- injection of pharmaceutical products into the maxillofacial region</li> <li>- administration of diet therapy for diseases of the oral cavity and teeth</li> </ul> <p>Perform medical interventions, including surgical ones, in children and adults with dental diseases on an outpatient basis (excluding extracting impacted and embedded teeth):</p> <ul style="list-style-type: none"> <li>- tooth extraction</li> <li>- extraction of a temporary tooth</li> <li>- permanent tooth extraction</li> <li>- incision and drainage of an odontogenic abscess</li> </ul> <p>Prevent and treat complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of pharmaceutical products and (or) medical devices, non-drug treatment</p> <p><b>Master:</b></p> <p>Performing medical interventions in children and adults with dental diseases in accordance with current procedures for providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Evaluation of the results of medical interventions in children and adults with dental diseases</p> <p>Choosing the type and implementing local anesthesia (topical, infiltration, conduction) in children and adults with dental diseases</p> <p>Evaluation of the effectiveness and safety of using pharmaceutical products, medical devices and non-drug treatment in children and adults with dental diseases</p> <p>Choosing and administering pharmaceutical products and medical devices, taking into account the diagnosis, age and clinical presentation of a dental disease in accordance with the procedures for the providing medical care, clinical recommendations, taking into account the standards of medical care</p> <p>Determining the methods of administration, regimen and dose of pharmaceutical products</p> <p>Choosing and administering 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</p> |
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| <p>PC – 3<br/>He/she is able to develop, implement and monitor the effectiveness of individual rehabilitation programs</p> | <p>PC – 3.1<br/>He/she is able to develop an individual rehabilitation program</p>   | <p><b>Know:</b><br/>Procedures for the organization of medical rehabilitation and sanatorium treatment<br/>Methods of medical rehabilitation of the patient, medical indications and medical contraindications to their implementation, taking into account the diagnosis in accordance with current procedures for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care</p> <p><b>Be able to:</b><br/>Determine medical indications for carrying out medical rehabilitation measures for patients with dental diseases in accordance with current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care<br/>Refer patients with dental diseases for consultation with specialist doctors for administering and conducting medical rehabilitation, sanatorium treatment, in accordance with current procedures for organization of medical rehabilitation and sanatorium treatment, clinical recommendations, taking into account the standards of medical care</p> <p><b>Master:</b><br/>Drawing up a plan of measures for medical rehabilitation of a patient with dental diseases in accordance with the current procedure for medical rehabilitation, clinical recommendations, taking into account the standards of medical care</p> |
|  | <p>PC – 3.2<br/>He/she is able to implement and monitor the effectiveness of the developed individual rehabilitation program</p> | <p><b>Know:</b><br/>Medical indications and medical contraindications to implementing medical rehabilitation measures in patients with dental diseases<br/>Medical indications for the referral of patients with dental diseases to specialist doctors for administering medical rehabilitation measures, sanatorium treatment<br/>The procedure for providing medical care to adults with dental diseases</p> <p><b>Be able to:</b><br/>Draw up a plan of measures for medical rehabilitation of patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care<br/>Determine medical indications for carrying out medical rehabilitation measures for patients with dental diseases in accordance with current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the</p>   |

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|  |  | standards of medical care<br><b>Master:</b><br>Carrying out medical rehabilitation measures for patients with dental diseases in accordance with the current procedure for organizing medical rehabilitation, clinical recommendations, taking into account the standards of medical care<br>Referral of patients with dental diseases for consultation with specialist doctors<br>Assessment of the effectiveness and safety measures for medical rehabilitation of patients with dental diseases |
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#### **4. The place of the practical training in the structure of the educational program of higher education**

The on-the-job training (practical training in obtaining professional skills and experience in professional activities (in preventive dentistry) is part of Block 2. "Practical Training", "Mandatory part" and is based on the disciplines of the educational program of higher education in the field of training – 31.05.03 "Dentistry".

When passing the practical training, the knowledge, skills and abilities formed during uptaking academic disciplines Surgical Dentistry (PC-1, PC-2, PC-3), Therapeutic Dentistry (PC-1, PC-2, PC-3, PC-4), Orthopedic Dentistry (PC-1 PC-2, PC-3), Materials Science in Orthopedic Practice (PC-3) are used

To pass successfully the practical training, the student must

Know:

- the legislation of the Russian Federation in the field of public health protection;
- regulatory legal acts and other documents defining the activities of medical facilities and medical professionals;
- Know: moral and ethical norms, rules and principles of professional medical behavior
- fundamentals of medical deontology and ethics

Be able to:

- build social communications;
- apply the knowledge of medical deontology in practice;
- implement legal norms in professional activity;
- make a plan and report on his/her work, carry out social interaction;

Master:

- the ways to exchange information, knowledge and experience, in presenting the results of the team's work.
- the rules of work in information systems, practical skills in choosing the optimal ways to solve problems, based on current legal norms, available resources and limitations.
- skills of communicating with patients taking into account legal norms, ethical and deontological principles in professional activity.
- the skills of tolerant behavior in a team;
- methods and means of medical ethics and deontology.

The knowledge, skills and abilities acquired as a result of passing the practical training are used to study the following educational disciplines of the EP: Infectious Diseases, Epidemiology (PC-4.1; PC-4.2), Clinical Laboratory Diagnostics (PC-1.2; PC-1.3), Therapeutic Dentistry (PC-1.1; PC-1.2; PC-1.3), Maxillofacial Surgery (PC-1.1; PC-1.2; PC-1.3), Gnatology in Orthodontics (PC-1.1; PC-1.2; PC-1.3), Propaedeutics of Internal Diseases (PC-1.1; PC-1.2; PC-1.3), Pediatric Dentistry (PC-1.1; PC-1.2; PC-1.3).

### 5. Place and time frame of practical training

Organization of on-the-job practical training (practical training for obtaining professional skills and experience of professional activity (in surgical dentistry) is carried out on the basis of contracts with organizations whose activities is in line with professional competencies mastered within the framework of this educational program of higher education The practical training is conducted at the bases of medical facilities in Cheboksary and regions of the Chuvash Republic. The practical training can also be conducted directly at the university in the Simulation Accreditation Center of the Medical Faculty.

Practical training for students with disabilities and physical conditions is carried out taking into account the peculiarities of their psychophysical development, individual capabilities and health status.

The on-the-job training (practical training in obtaining professional skills and experience in professional activities (in surgical dentistry) is carried out in the 7th semester. The total duration of the practical training is 2 weeks.

To master the practice program, the curriculum provides 3 credit points / 108 academic hours, including the volume of contact work is 2 hours.

The form of practical training attestation is a credit test with a mark (graded credit). According to the results of the credit test, the student can be rated as "excellent", "good", "satisfactory" and "failing".

### 6. Structure and content of practical training.

The practical training is foreseen in the 7th semester at the end of the session.

The total labor intensity of the practical training is 3 credit points (2 c.p. - work in the clinic, 1 credit point - independent work on the report), 108 hours

| Se<br>q.<br>N | Sections<br>(stages) of<br>practical<br>training              | Types of work in<br>practice, including<br>independent work<br>of students  | Labor<br>intensity,<br>hours | Including<br>contact work<br>not less than,<br>hours. | Emerging<br>competencies                               |
|---------------|---|---|------------------------------|---|--|
| 1.            | Organization of the practical training, its preparatory stage | Workplace briefing and fire safety instruction. Familiarization with the medical and preventive facility (practice base). Sanitary and epidemiological regimes operating in the health care facility. The organization principles of a dentist's (surgeon's) work. Rules for maintaining medical records. | 1                            | 0.2   | GPC-2.1, GPC-2.2, GPC-2.3, GPC-5.1, GPC-5.2, GPC-5.3,  |
| 2.            | On-the-job stage  |   |                              |   |  |
|               | Consulting patients   | Complaints, past history. History of the present disease Objective status.  | 31.5                         |   | PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2 |

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|    |  | additional examination, making a diagnosis, treatment, recommendations.  |      |  |   |
|    | Local anesthesia   | Conduction, infiltration anesthesia.   | 20.5 |  | PC-2.1; PC-2.2; PC-3.1; PC-3.2                              |
|    | Treatment of chronic foci of periodontitis and parodontitis                | Tooth extraction   | 12.5 |  | PC-2.1; PC-2.2; PC-3.1; PC-3.2                              |
|    | Treatment of inflammatory odontogenic foci in the maxillofacial region     | Incision of inflammatory foci in the treatment of odontogenic purulent processes (periostitis, osteomyelitis, abscesses, phlegmons)  | 1.5  |  | PC-2.1; PC-2.2; PC-3.1; PC-3.2                              |
|    | Treatment of injuries by suturing, splints, ligatures.                     | Surgical treatment of wounds, ligation and splinting of jaws in case of maxillofacial injury<br>Temporary immobilization   | 2    |  | PC-2.1; PC-2.2; PC-3.1; PC-3.2                              |
|    | Treatment of chronic foci of periodontitis surgically.                     | Outpatient operations (root apex resection, hemisection, tooth replantation, cystotomy and cystectomy, surgical treatment of parodontal diseases)  | 3    |  | PC-2.1; PC-2.2; PC-3.1; PC-3.2                              |
| 3. | Preparation for practical classes, independent study of educational issues | Study of the main and additional literature, writing a library-research paper, familiarization with modern methods for treating patients with surgical pathology and methods of assessing the quality of medical care for dental patients, participation in medical conferences of | 18   |  | GPC-2.1, GPC-2.2, GPC-2.3, PC-2.1, PC-2.2<br>PC-2.1, PC-2.2 |

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|    |  | the polyclinic.  |            |          |   |
| 4. | Preparation of a report and practice diary | Summarizing the collected materials, summing up the results of the practice. | 6          |          | PC-1.1; PC-1.2; PC-1.3; PC-1.1; PC-1.2; PC-1.3  |
| 5. | Report presentation                        | Getting feedback at the workplace, public defence of the report              | 12         | 1.8      | Final interview   |
|    | <b>TOTAL</b>                               |  | <b>108</b> | <b>2</b> | <b>GPC-2.1; GPC-2.2; GPC-2.3; GPC-5.1; GPC-5.2; GPC-5.3; PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2</b> |

The specific content of the practical training is developed by the supervisor of the practical training representing the department responsible for organizing and conducting the practical training together with the head of the practical training from the relevant organization. The content of the practical training is reflected in the assignment for the student-trainee (Appendix 2).

The assignment should ensure consolidation, expansion and deepening of theoretical knowledge in surgical dentistry. The assignment for practice should provide for the achievement of planned learning outcomes when passing the practical training, correlated with the results of mastering the educational program. The assignment for the practical training is formulated taking into account the specifics and nature of the activities of the relevant organization. It should provide for:

- familiarization with the practice base (medical organization), the structure of the medical and preventive facility, the functions and tasks of the subdivisions, their role and relationships with other subdivisions;
- familiarization with the organization of work in a medical and preventive facility and surgical department (office) in particular;
- studying medical documentation of a surgical office of the dental clinic;
- studying modern methods of clinical, laboratory and instrumental diagnostics of surgical dental patients, organization and implementation of rehabilitation measures in surgical dentistry;
- acquisition of skills in the diagnosis and surgical treatment of periodontitis, parodontium and oral mucosa diseases, conducting simple dental surgical treatment in accordance with the protocol of patients' management;
- studying the issues of safety, labor protection and fire prevention measures;
- studying modern methods for treating patients with surgical pathology and methods of assessing the quality of medical care for dental surgical patients, participation in medical conferences of the polyclinic;
- acquisition of skills in making a preliminary diagnosis to patients with their subsequent referral to additional examination and to specialist doctors by the algorithm of making a detailed clinical diagnosis to patients;
- drawing up the practice diary in accordance with the recommendations of p. 6.7 of the practice program.

The work schedule (plan) of practical training is agreed with the head of the relevant organization (Appendix 4).

Type of attestation: credit with a mark in the 7th semester.

### **7. Practice reporting form**

The form of practical training attestation is a credit test with a mark (graded credit). According to the results of the credit test, the student can be rated as "excellent", "good", "satisfactory" and "failing". To check the quality of practical training, as well as the acquired knowledge, skills and abilities, students must submit the following materials and documents to the supervisor of the practical training representing the department:

– the student-trainee's permit, issued in accordance with the requirements and containing: a review from the relevant organization in which the practical training took place; a description of the work done by the trainee; a general assessment of the quality of his/her training, his/her ability to contact people and analyze the situation, his/her ability to work with statistical data, etc.;

– report of the student-trainee on the work performed when passing the practical training, indicating the new knowledge, skills and abilities obtained (Appendix 3).

The report of the student-trainee on the practical training should be issued in accordance with the interstate standard GOST 7.32-2017. The report of the student-trainee on the practical training is reviewed and evaluated by the head of the practice from the department responsible for organizing and conducting the practical training. The report is defended in the presence of the supervisor of the practical training representing the department.

#### **Requirements for the report execution**

The text is placed on one side of a sheet of white A4 paper and must meet the following requirements:

- designed by *Times New Roman*font;
- the height of the letters (size) - 14, the shape of the letters - normal;
- line spacing – one and a half;
- formatting – by width.

Page parameters: top margin – 20 mm, bottom margin – 20 mm, left margin – 30 mm, right margin – 10 mm.

Pages of the report should be numbered in Arabic numerals, observing the end-to-end numbering throughout the text of the work. The page number is placed in the middle of the upper field without a dot at the end. The title page is included in the general page numbering of the work, but the page number is not put down.

It is recommended to execute the digital material placed in the report in the form of tables, which are also numbered in Arabic numerals sequentially. All tables should have a meaningful title. The title is placed under the word "Table" above the corresponding table with digital material.

Appendices are designed as a continuation of the report on its subsequent pages, which are not numbered. Each appendix begins with a new page, in the upper-right corner of which the word "Appendix" is indicated with consecutive numbering in Arabic numerals, for example, "Appendix 1", "Appendix 2", etc. Each appendix should have a thematic title that reflects the essence of the document.

Sample design (content) of **the title page** is presented in Appendix 1.

The report is sealed by the seal of the enterprise - practice base, signed by the practical training supervisor representing the company, signed by the student-trainee, the title sheet shall be signed by the practice supervisor representing the department and head of department.

The **practice diary** is kept by the student and is a mandatory reporting document for the student (see appendix 4). In the practice diary, it is necessary to record daily brief information about the work done during the day. Records of the work performed must be specific and certified by the signature of the supervisor of the practical training (practical worker).

The diary is endorsed by signatures of the practice supervisor from the organization and the student passing the on-the-job training.

## **8. The fund of assessment tools for the ongoing monitoring the academic performance and intermediate attestation of students in practical training**

### 8.1 Fund of assessment tools

In the course of practical training, the student passing the practical training keeps a practice diary, which records the type and duration of activity in the process of completing the practice task. The diary is an integral part of the practice report. The working documents for drawing up the report are also working materials and documents of the profile organization that are allowed for study and use by the student passing the practical training. The scope and content of the information provided in the report on implementing an individual assignment by each student is brought into accord with the head of practical training.

The student should record the completed practical work in the practice diary on a daily basis. The student's practice diary is signed by the medical supervisor on a daily basis. At the end of the practical training, the head of the clinic gives a description of the trainee's work. Upon completion of the practical training, a credit test is conducted, including assessment of practical skills and an interview (within 2 weeks after the end of the practical training).

#### *Description of the rating scale*

| Digital expression | Verbal expression        | Description   |
|--------------------|--------------------------|---|
| 5                  | Excellent                | The full scope of work has been completed, the answer is complete and correct. He/she is able to summarize the material, draw his/her own conclusions, express his/her opinion, give illustrative examples. |
| 4                  | Good                     | 75% of the work has been completed, the answer is correct, but incomplete. Illustrative examples are not given, the generalizing opinion is not clearly expressed.  |
| 3                  | Satisfactory             | 50% of the work has been done, the answer is correct in the main points, there are no illustrative examples, there is no own opinion, there are errors in the details.                                      |
| 2                  | Unsatisfactory (failing) | Less than 50% of the work has been completed, the response contains significant errors in the main aspects of the content. The speech is unclear.   |

During the practical training, students collect statistical data on various nosological forms of dental surgical diseases.

| №№ | Names of works  | Means of formative control                            | List of competencies  |
|----|---|---|---|
| 1  | Passing a safety briefing. Acquaintance with the polyclinic, surgical department (office), organization and structure of the polyclinic, Acquaintance with the medical documentation available in the medical and preventive facility, methods and means of providing surgical dental care. | A set of assignments for practical training           | GPC-2.1, GPC-2.3, GPC-5.1, GPC-5.3, PC-1.1 PC-1.3, PC-2.1, PC-2.2, PC-3.1 (initial stage of competence formation) |
| 2  | Performing work on examination of a dental patient, studying methods of diagnosis   | A set of indicators of the results of mastering tasks | GPC-2.2, GPC-5.2, PC-1.2, PC-2.2, PC-3.1  |

|   |  |   |  |
|---|--|---|--|
|   | of the most common dental surgical diseases in accordance with the assigned task, acquiring skills in the diagnosis and surgical treatment of periodontal diseases, diseases of parodontium and oral mucosa, conducting simple dental surgical treatment in accordance with the protocol of patient management;  |   | (intermediate stage of competence formation)   |
| 3 | Getting to know modern methods of treating patients with surgical pathology and methods of assessing the quality of medical care for dental patients, acquisition of skills in making a preliminary diagnosis to patients with their subsequent referral to additional examination and to specialist doctors, an algorithm for making a detailed clinical diagnosis to patients; | A set of indicators of the results of mastering tasks   | GPC-2.3, GPC-5.3, PC-1.3, PC-2.2, PC-3.2<br>(final stage of competence formation)  |
| 4 | Defence of the practice report.  | Practice diary (individual and typical practice assignments); report on passing the practical training, completed documents on practical works. | GPC-2.1; GPC-2.2; GPC-2.3; GPC-5.1; GPC-5.2; GPC-5.3; PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2 (final stage of competence formation) |

## 8.2. Requirements for the report execution

Making up the report is carried out in accordance with the local documents of the university.

## 8.3. Sample questions to defend the practice report

Questions for the oral control of on-the-job training (practical training in obtaining professional skills and experience of professional activity  
(in surgical dentistry)

### *Module local anesthesia and anesthesiology in dentistry*

*(competencies to form GPC-2.1; GPC-2.2; GPC-2.3; GPC-5.1; GPC-5.2; GPC-5.3; PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2)*

1. Organization of work, premises and equipment of the surgical office (department) in the dental clinic. Sanitary and hygienic requirements for them.
2. Organization of work, premises and equipment of maxillofacial surgery department (surgical dentistry) of the hospital. Sanitary and hygienic requirements for them.
3. Duties of the surgical office staff in the dental polyclinic.

4. Medical documentation in the surgical department (office) of the dental polyclinic. Indicators of a dental surgeon's work.
5. Types of dental surgical care (preventive, planned, emergency, urgent).
6. The causative agents and sources of surgical infection.
7. Ways of transmission and spread of infection in the surgical office and hospital.
8. The concept of asepsis and antiseptics. Antiseptic drugs, their mechanism of action, dosage forms.
9. Types of antiseptics: physical, mechanical, chemical, biological, mixed.
10. Methods of treating the hands of a dentist surgeon.
11. Methods of treating the operating field on the face and in the oral cavity.
12. Methods of processing surgical dental instruments and materials: disinfection, pre-sterilization cleaning, sterilization. Conditions and terms for storing sterile instruments and materials
13. Cleaning and disinfection of the premises of the surgical department in the dental clinic, air disinfection, methods for monitoring the sterility of instruments, dressings, doctor's hands and the operating field.
14. Features of processing tools and materials after receiving patients infected with HIV and hepatitis virus.
15. Measures to protect the medical staff of the surgical dental office from infection.
16. Features of asepsis and antiseptics in providing surgical care at home and in the field.
17. Features of questioning patients with pathology of the maxillofacial region.
18. Features of examining the maxillofacial region.
19. Features and methods of palpating tissues of the maxillofacial region.
20. Percussion and probing as examination methods in surgical dentistry.
21. Examination of the oral cavity, the technique of carrying it out, tasks.
22. Additional examination methods and their significance in the examining the patients with pathology of the maxillofacial region.
23. The main methods of morphological examination used in surgical dentistry.
24. Methods for studying the functions of chewing and swallowing. Methods of radiation diagnostics used in surgical dentistry.
25. The importance of sanitary and educational work of a dentist surgeon.
26. Preparation of a dental patient for surgery in a polyclinic.
27. Preparation of a dental patient for surgery in an inpatient facility. (Types of general and local anesthesia in the maxillofacial region. (
28. Analgesic solutions, their characteristics and concentration. Write out a prescription for novocaine, trimecaine, lidocaine, septanest, ultrakain, piromekain, dicain.
29. Novocaine, its features, contraindications to use, tests for novocaine identification. Write out a prescription for 2% novocaine solution.
30. Vasoconstrictors. The mechanism of action. Indications for use: Innervation of the jaws, perimandibular tissues. The trigeminal and facial nerves: topography and innervation zones.
31. Premedication for outpatient dental operations.
32. The choice of anesthesia method in patients with intolerance to local anesthetics. Features of analgesia in elderly people who have suffered a myocardial infarction and have CHD. Infiltration anesthesia during surgical intervention in the maxillofacial region: indications, contraindications, methods of implementation, possible local complications, their prevention.
33. Methods of non-injection anesthesia: indications, methods of conducting.
34. Infraorbital anesthesia: indications, the area of anesthesia, methods of implementation, possible local complications, their prevention. Posterior superior alveolar nerve block: indications, the area of anesthesia, the method of conducting, possible local complications, their prophylaxis and treatment.

35. Anesthesia in the area of the anterior palatine foramen: indications, analgesia zone, methods of conducting, possible local complications, their prevention.
36. Analgesia of the naso-palatine nerve: indications, analgesia zone, methods of conducting, possible local complications, their prevention and treatment. Mandibular anesthesia (extra-oral methods): indications, analgesia zone, methods of administration, possible local complications, their prevention and treatment.
37. Mandibular anesthesia (intraoral methods): indications, analgesia zone, methods of conducting, possible local complications, their prevention and treatment.
38. Torus mandibularis anesthesia: indications, the area of anesthesia, the method of conducting, possible local complications, their prophylaxis and treatment.
39. Analgesia of the buccal and lingual nerves: indications, analgesia zone, methods of conducting, possible local complications, their prevention and treatment.
40. Mental anesthesia: indications, analgesia zone, methods of treatment, possible local complications, their prevention and treatment.
41. Anesthesia according to the methods of Berche, Berche-Dubov: indications, anaesthesia zone, methods of conducting, possible local complications, their prevention.
42. Anesthesia of the second branch of the trigeminal nerve in the pterygopalatine fossa: indications, anaesthesia zone, methods of conducting, possible local complications, their prevention and treatment.
43. Anesthesia of the third branch of the trigeminal nerve at the oval foramen: indications, anaesthesia zone, methods of conducting, possible local complications, their prevention and treatment.
44. The choice of anaesthesia method for surgical interventions in the maxillofacial region.
45. Anesthesia during incision of the phlegmon of the maxillofacial region and neck.
46. General anesthesia. Indications and features of general anesthesia during operations on the face and in the oral cavity.
47. Local complications during and after injection of anesthetic; prevention, treatment. The doctor's tactics in case of erroneous administration of a non-injectable solution.
48. Hematoma, diplopia, ischemia of the facial tissues as a complication of local anesthesia in oral and maxillofacial region: etiology, assistance.
49. Common complications during local anesthesia. Allergic manifestations in the outpatient practice of the dentist. Clinical presentation, diagnostics, treatment. (PC-5, PC-6, PC-8)
50. Syncope, collapse, shock: clinical course, assistance to a dental patient in an outpatient clinic.

*Module Oral Surgery.*

*(competencies to form GPC-2.1; GPC-2.2; GPC-2.3; GPC-5.1; GPC-5.2; GPC-5.3; PC-1.1; PC-1.2; PC-1.3; PC-2.1; PC-2.2; PC-3.1; PC-3.2)*

1. Tooth extraction.
2. Features of the preparing the surgical field during tooth extraction.
3. Features of the tooth extraction operation.
4. Absolute indications for tooth extraction.
5. Relative indications for tooth extraction.
6. General contraindications for teeth extraction.
7. Local contraindications for teeth extraction.
8. Features of the patient's preparation for tooth extraction surgery.
9. Features of tooth extraction in pregnant women.
10. Features of tooth extraction in patients with diseases of the cardiovascular system.
11. Features of tooth extraction in patients with blood diseases.
12. Features of tooth extraction in patients with mental illnesses.
13. The structure of forceps.
14. Forceps for extracting the anterior group of teeth on the upper jaw.

15. The structure of forceps for extracting premolars on the upper jaw.
16. The structure of forceps for extracting molars on the upper jaw.
17. The structure of forceps for extracting wisdom teeth on the upper jaw.
18. The structure of universal forceps (bayonets) for extracting teeth and teeth roots on the upper jaw.
19. The position of the doctor and the patient when extracting individual groups of teeth on the upper jaw.
20. The technique of extracting the anterior teeth group of the upper jaw with forceps.
21. The technique of removing premolars of the upper jaw with forceps.
22. The technique of extracting molars of the upper jaw with forceps.
23. The structure of forceps for the extracting individual groups of teeth and roots on the lower jaw.
24. The position of the doctor and the patient when extracting individual groups of teeth on the lower jaw.
25. The technique of extracting incisors on the lower jaw with forceps.
26. The technique of extracting canines on the lower jaw with forceps.
27. The technique of extracting premolars on the lower jaw with forceps.
28. The technique of extracting molars on the lower jaw with forceps.
29. The structure of elevators used to extract teeth and teeth roots.
30. Local complications that develop during tooth extraction.
31. Causes of local complications that develop after tooth extraction.
32. Prevention of local complications arising after tooth extraction.
33. Clinical presentation and treatment of alveolitis.
34. Clinical presentation and treatment of alveolus pains.
35. Neurological disorders after tooth extraction, their treatment and prevention.
36. Primary bleeding from the socket. Causes, treatment, prevention.
37. Secondary bleeding from the socket. Causes, treatment, prevention.
38. Classification and comparative frequency of inflammatory diseases of the maxillofacial region.
39. Etiology of odontogenic diseases of the maxillofacial region.
40. Pathogenesis of the inflammatory process.
41. Pathological anatomy of the inflammatory process.
42. Features of odontogenic inflammatory diseases.
43. Microflora of the oral cavity.
44. The concept of body reactivity.
45. The concepts of pathogenic, opportunistic microflora.
46. The concept of body homeostasis.
47. Mechanisms of the body's immune defense.
48. Indications for surgical treatment of chronic periodontitis (absolute, relative).
49. Contraindications to surgical treatment of chronic periodontitis.
50. Indications for the root apex resection operation and its technique.
51. Indications for the operation of hemisection and its technique.
52. Indications for root amputation surgery and its technique.
53. Complications of the listed operations (early, late ones).
54. Methods of conservative treatment for chronic periodontitis.
55. The method of care and treatment in the postoperative period.
56. Determining subacute and chronic stages of odontogenic osteomyelitis of the jaws.
57. Pathological anatomy of subacute and chronic stages of odontogenic osteomyelitis of the jaws.
58. Features of the clinical course of subacute stage of odontogenic osteomyelitis.
59. Features of the clinical course of chronic stage of odontogenic osteomyelitis.

60. Methods of diagnosing subacute and chronic stages of odontogenic osteomyelitis of the jaws.
61. X-ray picture in subacute and chronic stages of odontogenic osteomyelitis of the jaws.
62. Differential diagnosis of subacute and chronic stages of odontogenic osteomyelitis of the jaws.
63. General principles of treating these stages of odontogenic osteomyelitis of the jaws.
64. Methods of surgical treatment for subacute and chronic stages of odontogenic osteomyelitis of the jaws.

*Evaluation criteria:*

- the "excellent" mark is given to a student if the student has demonstrated a comprehensive systematic knowledge of theoretical material and practical material within the framework of his practice task; has fully submitted a report on the practice, designed in accordance with the requirements; has positive feedback from the profile organization;

- the "good" mark is given if the student firmly knows the theoretical material within the framework of the practical task, competently and substantially presents it, does not allow significant inaccuracies in its presentation; has fully submitted a report on the practice, designed in accordance with the requirements;

- the "satisfactory" mark is given to the trainee, if the student has knowledge only of theoretical material in the framework of the task to practice, but has not learned its details, perhaps admits imprecise, insufficient correct wording in his written statement or makes significant errors in the presentation of theoretical material; in full, but with inaccuracies, presented a report on the practice issued in accordance with the requirements;

- the "unsatisfactory" mark is given to the student if the student missed classes during the practical training without valid reasons; made fundamental mistakes in performing tasks in practice, or did not complete the task; submitted an incomplete, inaccurate report on practice, issued without compliance with the requirements.

**Criteria for assessing the formation of competence**

|                           |   |                            |                    |                         |
|---------------------------|---|----------------------------|--------------------|-------------------------|
| Planned learning outcomes | Assessment of competence formation at the initial stage |                            |                    |                         |
|                           | Unsatisfactory<br>(2 points)                            | Satisfactory<br>(3 points) | Good<br>(4 points) | Excellent<br>(5 points) |

|   |  |  |  |  |
|---|--|--|--|--|
| <p><b>Know:</b><br/>Preventive measures that prevent the development of complications of medical interventions</p> <p><b>Be able to:</b><br/>Conduct and monitor the effectiveness of measures to prevent complications of medical interventions</p> <ul style="list-style-type: none"> <li>- work with laws, subordinate legislation, regulatory and methodological literature regulating examination of temporary disability and quality control of medical care;</li> </ul> <p><b>Master:</b><br/>Methods of preventing and treating complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of pharmaceutical products and (or) medical devices, non-drug treatment at a dental appointment<br/>Prevention and treatment of complications, side effects, adverse reactions, including unforeseen ones, resulting from diagnostic or therapeutic manipulations, the use of pharmaceutical products and (or) medical devices, non-drug treatment at a dental consultation</p> <p><b>Know:</b></p> <ul style="list-style-type: none"> <li>- goals and objectives of dental education;</li> <li>- methods and means of dental education;</li> <li>- the main directions of primary prevention;</li> </ul> <p><b>Be able to:</b></p> <ul style="list-style-type: none"> <li>- eliminate factors contributing to the development of dental diseases;</li> <li>- organize the prevention of dental diseases in the dental service system</li> </ul> <p><b>Master:</b></p> <ul style="list-style-type: none"> <li>- skills of determining the state of dental health of the population;</li> <li>- create living conditions that exclude harmful factors for health, as well as provide necessary</li> </ul> | <p>The student has only partially mastered the minimum level of knowledge.<br/>Skills and abilities are underdeveloped</p> | <p>The student has general knowledge of the minimal level, but does not know how to logically substantiate his thoughts.<br/>The skills and abilities are poorly developed</p> | <p>The student demonstrates the minimal level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking skills and abilities, mistakes are made in reasonings.</p> | <p>The student demonstrates the maximum level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions</p> |
|---|--|--|--|--|

| Planned learning outcomes  | Assessment of competence formation at the intermediate stage   |   |  |  |
|--|--|---|--|--|
|  | Unsatisfactory (2 points)  | Satisfactory (3 points)   | Good (4 points)  | Excellent (5 points)   |
| <p><b>Know:</b></p> <ul style="list-style-type: none"> <li>- clinical manifestations of major syndromes requiring surgical treatment;</li> <li>- modern methods of clinical, laboratory and instrumental diagnostics of patients of therapeutic, surgical and infectious profile.</li> </ul> <p><b>Be able to:</b></p> <ul style="list-style-type: none"> <li>- take a complete medical history of the patient, including data on the condition of the oral cavity and teeth;</li> <li>- conduct questioning of the patient and his relatives (take biological, medical, psychological and social information)</li> </ul> <p><b>Master:</b></p> <ul style="list-style-type: none"> <li>- interpreting the results of laboratory, instrumental diagnostic methods in patients of different ages;</li> <li>- the technique of reading various types of radiographs.</li> </ul> | <p>The student has general knowledge of the basic level, but does not know how to logically substantiate his thoughts. Basic skills and abilities are poorly developed</p> | <p>The student demonstrates a basic level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking basic skills and abilities, mistakes are made in reasoning.</p>     | <p>The student demonstrates the basic level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions</p>   | <p>The student has fully mastered the basic level of knowledge, skills and abilities, understands the material covered, responds clearly and comprehensively, is able to evaluate facts, reasons independently</p>   |
| Planned learning outcomes  | Assessment of competence formation at the final stage  |   |  |  |
|  | Unsatisfactory (2 points)  | Satisfactory (3 points)   | Good (4 points)  | Excellent (5 points)   |
| <p><b>Know:</b></p> <ul style="list-style-type: none"> <li>- the basics of the legislation of the Russian Federation, the main regulatory and technical documents on public health protection.</li> <li>- clinical presentation, features of the course and possible complications of the most common diseases developing in a typical form;</li> <li>- clinical manifestations of major syndromes requiring surgical treatment;</li> <li>- dental instruments and equipment</li> <li>- clinical manifestations of major syndromes requiring surgical</li> </ul>   | <p>The student does not demonstrate an advanced level of knowledge.</p>  | <p>The student demonstrates an advanced level of knowledge, but there are significant shortcomings in the answer, the material has been partially mastered. When checking basic skills and abilities, mistakes are made in reasoning.</p> | <p>The student demonstrates an advanced level of knowledge. When checking skills and abilities, the student shows a good understanding of the material covered, but cannot theoretically substantiate some conclusions</p> | <p>The student has fully mastered the advanced level of knowledge, skills and abilities, understands the material covered, responds clearly and comprehensively, is able to evaluate facts, reasons independently, is distinguished by the ability to substantiate conclusions and explain them in a logical sequence.</p> |

|   |  |  |  |  |
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| <p>treatment;</p> <ul style="list-style-type: none"> <li>- features of medical care in emergency conditions;</li> <li>- modern methods of clinical, laboratory and instrumental diagnostics of patients of therapeutic, surgical and infectious profile;</li> <li>- principles of medicinal and non-medicinal therapy of maxillofacial diseases in adults, children and elderly and senile persons;</li> </ul> <p><b>Be able to:</b></p> <ul style="list-style-type: none"> <li>- interpret the examination results;</li> <li>- make the patient's preliminary diagnosis, outline the scope of additional examinations to clarify the diagnosis;</li> <li>- formulate a clinical diagnosis;</li> <li>- develop a treatment plan taking into account the course of the disease, choose and prescribe drug therapy, use non-drug treatment methods, conduct rehabilitation measures for diseases of the maxillofacial region;</li> <li>- formulate indications for the chosen method of treatment, taking into account etiologic and pathogenetic agents;</li> <li>- organize medical rehabilitation and health resort treatment;</li> </ul> <p><b>Master:</b></p> <ul style="list-style-type: none"> <li>- methods of maintaining medical accounting and reporting documentation in medical organizations.</li> <li>- assessing the state of dental health of the population of various age and gender groups;</li> <li>- methods of general clinical examination of patients;</li> <li>- clinical methods of examining the maxillofacial area;</li> </ul> <ul style="list-style-type: none"> <li>- methods of infiltration and conduction anesthesia in the oral cavity for therapeutic,</li> </ul> |  |  |  |  |
|---|--|--|--|--|

|   |  |  |  |  |
|---|--|--|--|--|
| surgical, orthopedic and orthodontic treatment, elimination of possible complications during anesthesia in patients;<br>- performing simple tooth extraction and low-traumatic surgical interventions in patients;<br>- stopping bleeding after removal;<br>- methods of medical rehabilitation and health resort treatment of patients with maxillofacial pathology. |  |  |  |  |
|---|--|--|--|--|

### 9. List of educational literature and Internet resources required for practical training.

The electronic catalog and electronic information resources provided by the scientific library of the FSBEI of HE "I. N. Ulianov Chuvash State University" are available at the link <http://library.chvsu.ru/>

#### 9.1. Recommended basic literature

| №  | Title  |
|----|--|
| 1. | Afanasyev [et al. ]; under the general ed. V. Afanasyev. Surgical Dentistry: textbook [for universities in the field of Dentistry]. - Moscow: GEOTAR-Media Publ., 2019. - 399 p.   |
| 2. | Surgical Dentistry [Electronic resource] : textbook / V.V. Afanasyev [et al. ]; under the general ed. Afanasyev. - 3rd ed., reprint - M. : GEOTAR-Media Publ., 2016. - <a href="http://www.studmedlib.ru/book/ISBN9785970437049.html">http://www.studmedlib.ru/book/ISBN9785970437049.html</a> |

#### 9.2. Recommended additional literature

| №  | Title   |
|----|---|
| 1. | Features of Disinfection and Sterilization in Dentistry [Electronic resource] : textbook. manual / E. A. Bazikyan - M. : GEOTAR-Media Publ., 2016. - <a href="http://www.studmedlib.ru/book/ISBN9785970436165.html">http://www.studmedlib.ru/book/ISBN9785970436165.html</a>                                  |
| 2. | Local Anesthesia in Dentistry [Electronic resource] : textbook. handbook for university students / Bazikyan E. A. et al.; edited by E. A. Bazikyan - M. : GEOTAR-Media Publ., 2016. - <a href="http://www.studmedlib.ru/book/ISBN9785970436035.html">http://www.studmedlib.ru/book/ISBN9785970436035.html</a> |
| 3. | Tooth Extraction Surgery [Electronic resource] : textbook. manual / E. A. Bazikyan - M. : GEOTAR-Media Publ., 2016. - <a href="http://www.studmedlib.ru/book/ISBN9785970435588.html">http://www.studmedlib.ru/book/ISBN9785970435588.html</a>   |
| 4. | Kornilov A. G., Matveev R. S., Mikhailov E. M., Smirnova A. / Trubin V. V. Dental Implantology: an Educational and Methodical Manual [for the 4th year of the Faculty of Dentistry]. Cheboksary: Chuvash University Publishing House, 2018. - 63 p.   |
| 5. | Kornilov A. M., Smirnova A. V., Timofeev E. / Trubin V. V. Oral Surgery: an Educational and Methodical Manual [for 3-4 courses of the Faculty of Dentistry]. Cheboksary: Chuvash Univeristy Publishing House. un-ta, 2018. - 127 p.   |
| 6. | Stolyarov M. V., Smirnova A. V., Kornilov A. / Trubin V. V., Zhirnova Ya. A., Trubina A. / Trubin V. V. Local Anesthesia and Anesthesiology in Dentistry: an educational and methodological guide. Cheboksary: Chuvash University Publishing House, 2018. - 136 p.  |

### 10. List of information technologies used in carrying out the practical training, including the list of software and information reference systems (if necessary)

Available software licensed and freely distributed software, professional databases, information and reference systems provided to the student-intern by the university (URL: <http://ui.chuvsu.ru/index.php/2010-06-25-10-45-35>).

In the course of practical training, students can use information technologies, including computer simulations, automation tools for design and software development used in the profile organization, Internet technologies, etc.

| №                  | List of software and professional databases   |
|--------------------|---|
| 1.                 | IcatVision – analysis of computed tomograms   |
| 2.                 | Airen — Student Testing Program   |
| 3.                 | OpenOffice – GNU license <a href="https://www.openoffice.org/ru/">https://www.openoffice.org/ru/</a>  |
| 4.                 | OpenOffice Office Suite   |
| 5.                 | Windows operating system  |
| 6.                 | Legal reference system "Consultant Plus»  |
| 7.                 | Legal search system "Garant",   |
| The list of ELS    |   |
| 1.                 | The scientific library of the FSBEI of HE "I. N. Ulianov Chuvash State University" [Electronic resource]. – Mode of access: <a href="http://library.chuvsu.ru">http://library.chuvsu.ru</a>           |
| 2.                 | Electronic library system IPRbooks [Electronic resource]. – Mode of access: <a href="http://www.iprbookshop.ru">http://www.iprbookshop.ru</a>   |
| 3.                 | Electronic library system "Yurayt": electronic library for universities and colleges [Electronic resource]. – Mode of access: <a href="https://www.biblio-online.ru">https://www.biblio-online.ru</a> |
| 4.                 | ELS "Publishing House" Lan " [Electronic resource]. – Mode of access: <a href="https://e.lanbook.com/">https://e.lanbook.com/</a>   |
| 5.                 | Consultant of a Student. Electronic library of a medical university [Electronic resource]. – Mode of access: <a href="http://www.studmedlib.ru/">http://www.studmedlib.ru/</a>                        |
| Internet resources |   |
| 1.                 | Single window to educational resources [Electronic resource]. – Mode of access: <a href="http://window.edu.ru">http://window.edu.ru</a>   |
| 2.                 | Russian State Library [Electronic resource]. – Mode of access: <a href="http://www.rsl.ru">http://www.rsl.ru</a>  |
| 3.                 | Russian National Library [Electronic resource]. – Mode of access: <a href="http://www.nlr.ru">http://www.nlr.ru</a>   |
| 4.                 | Scientific electronic library "Cyberleninka" [Electronic resource]. – Mode of access: <a href="http://cyberleninka.ru">http://cyberleninka.ru</a>   |
| 5.                 | The official website of the Dental Association of Russia: <a href="http://www.e-stomatology.ru/">www.e-stomatology.ru/</a>  |
| 6.                 | Dental portal. Access mode: <a href="https://stomport.ru/">https://stomport.ru/</a>   |
| 7.                 | Dental portal. Access mode: <a href="http://www.stom.ru/">http://www.stom.ru/</a>   |
| 8.                 | DentalClub Journal. Access mode: <a href="http://www.medical-cg.ru/dental_club/">http://www.medical-cg.ru/dental_club/</a>  |
| 9.                 | Electronic journal Kafedra. Access mode: <a href="http://cathedra-mag.ru/">http://cathedra-mag.ru/</a>  |

### 11. Description of the material and technical base necessary for conducting training practice

In accordance with the agreements on conducting the practical training between the university and the relevant organization The practical training takes place in the surgical offices of dental prevention and treatment facilities with which contracts have been concluded, as well as at the place of residence of out-of-town students under a contract with a medical institution that has a license in surgical dentistry. Surgical offices, where industrial practice takes place, have a necessary set of tools and materials (syringes, tweezers, mirrors, dental forceps, chisels,

hammer, medical gloves, white coats, masks, etc.), medicines, both for providing surgical dental care and assistance in emergency conditions. The premises comply with sanitary and hygienic standards.

## **12. Organization of on-the-job training for the disabled and persons with health limitations (if available)**

Organization of industry-focused practical training for the disabled and persons with physical conditions is carried out taking into account the students' state of health and the requirements of their accessibility for students and the recommendations of medical and social expertise, as well as an individual rehabilitation and habilitation program for a disabled person from a Federal State institution of medical and social expertise, regarding the recommended conditions and types of work.

In order to organize passing the practical training for students with disabilities and persons with physical conditions, the university coordinates with the relevant organization (enterprise) the conditions and types of work, taking into account the types of activities, in accordance with the federal state educational standard of higher education and the basic educational program of higher education in this field of training / specialty, taking into account the recommendations of medical and social expertise and/or an individual rehabilitation and habilitation program for a disabled person. If necessary, special workplaces can be equipped for practical training in accordance with the nature of disorders, as well as taking into account the professional type of activity and the nature of work performed by a disabled student and persons with physical conditions in accordance with the requirements of professional standards in the relevant field of training/ specialty.

The forms of conducting industry-focused practical training for students with disabilities and persons with physical conditions can be established taking into account their individual capabilities and health status. Taking into account the individual characteristics of students with disabilities and persons with physical conditions can be reflected in the individual task for practice, specific types of work reflected in the individual task for practice, the work schedule (plan) of the student's practical training. Material, technical and methodological conditions should be created for the organization and conducting the experiments (research), taking into account their individual capabilities and health status. The forms of independent work are also established taking into account their individual psychophysical characteristics, capabilities and health status (orally, in writing on paper or on a computer, etc.).

If necessary, students with disabilities and persons with physical conditions are provided with additional consultations and additional time to complete tasks during the industry-focused practical training.

During the practical training, students with disabilities and persons with physical conditions, if necessary, are provided with the assistance of a tutor or assistant (at the request of the student and in accordance with the recommendations of the individual rehabilitation and habilitation program of the disabled person).

The recommended logistical support and software for completing tasks and preparing a report on the practical training for students with disabilities and persons with physical conditions includes:

- *For persons with visual impairment:* blind aid means: a tactile (Braille) display, a manual and stationary video magnifier (for example, Topaz, Onix), a television magnifying device, a digital tablet that provides communication with an interactive whiteboard in the classroom (if available), with a teacher's computer, magnifying devices (magnifier, electronic magnifier), a talking calculator; text reading devices for blind ("reading machine"), an organizer player for the blind (typhlo-flashplayer), Braille writing tools: Braille device, paper, pencil, Braille typewriter (Tatrapoint, Perkins, etc.), - a printer for printing Braille raised dots and relief-graphic images. Software: a program for non-visual access to information on a computer screen (for example, JAWS for Windows), a program for reading text files aloud (for example, Balabolka), a program for enlarging an image on a screen (Magic) (providing a screen

magnification scale from 1.1 to 36 times , the ability to adjust brightness and contrast, as well as invert and replace colors, the ability to optimize the external view of the cursor and mouse pointer, the ability to view an enlarged and unenlarged image, simultaneously move the enlarged area using the keyboard or the mouse, etc.).

- *For people with hearing impairment:* special technical means: wireless system of linear acoustic radiation, radio class - wireless sound transmission technology (FM system), sets of electroacoustic and sound amplifying equipment with combined elements of wired and wireless systems based on professional amplifiers, - multimedia - a computer, a multimedia projector, interactive and touch boards. Software: programs for creating and editing subtitles that convert speech into text and gesture formats on a computer screen (iCommunicator, etc.).

- *For persons with musculoskeletal disorders:* special technical means: special keyboards (with an increased size of keys, with a special overlay that limits accidental pressing neighboring keys, sensor, use of voice commands), special mice (joysticks, rollers, as well as a head mouse), remote buttons, oversized pens and special overlays for them, enabling to hold the pen and manipulate it with minimal effort, weighted (with additional weight) pens that reduce the manifestation of tremor when writing, graphic information exchange devices. Software: "virtual keyboard" program, special software enabling to use abbreviations, finish writing words and predict words and phrases based on the initial letters and grammatical form of previous words, special software enabling to reproduce special mathematical functions and algorithms.

- *For persons with disabilities due to a general disease:* a multimedia computer (laptop), - a multimedia projector, etc.

Students with disabilities and persons with physical conditions can, if necessary, use special equipment available at the University.

The procedure for presenting the report on the practical training by students with disabilities and persons with physical conditions should ensure providing necessary technical means and, if necessary, providing technical assistance. The form of carrying out the procedure for defending the report and obtaining a test by students with disabilities and persons with physical conditions is established taking into account their individual psychophysical characteristics and health capabilities (orally, in writing on paper, in writing on a computer, etc.). If necessary, students with disabilities and persons with physical conditions are provided with additional time to speak.

**Appendix 1. Permit for a student-trainee.**

**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA  
Federal State Budgetary Educational Institution  
of Higher Education  
"I. N. Ulianov Chuvash State University»  
(FSBEI of HE "I. N. Ulianov Chuvash State University»)**

**PERMIT  
of a student-trainee**

Student \_\_\_\_\_ of the ... year of study \_\_\_\_\_ Faculty

\_\_\_\_\_ (family name)

\_\_\_\_\_ (first name and patronymic)

according to contract № \_\_\_\_\_ dated

is sent \_\_\_\_\_

to pass the on-the-job ( \_\_\_\_\_ )

training in the field of training / profile

from " \_\_\_\_ " \_\_\_\_\_ 20\_\_ to " \_\_\_\_ " \_\_\_\_\_ 20\_\_ .

Head of department \_\_\_\_\_ / \_\_\_\_\_

(signature / transcript of the signature)

Specialist

on educational and methodical work \_\_\_\_\_ / \_\_\_\_\_

(signature / transcript of the signature)

The student passing on-the-job training showed up for work on the " \_\_\_\_ " \_\_\_\_\_ 20\_\_ .

Assigned to the disposal (of whom) \_\_\_\_\_

filled in by the  
enterprise

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

Place of stamp " \_\_\_\_ " \_\_\_\_\_ 20\_\_ .

**Общий отзыв администрации предприятия  
о работе практиканта  
(по окончании практики)**

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Студент пробыл на практике \_\_\_\_\_ мес.

Размер оплаты (помесечно) \_\_\_\_\_

Дата откомандирования с места практики « \_\_\_\_ » \_\_\_\_\_ 20 \_\_ г.

М.П.

**Подписи**

Время предоставления отчета на кафедру \_\_\_\_\_

**Отзыв руководителя практики от кафедры об отчете**

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**Руководитель  
практики** \_\_\_\_\_

( \_\_\_\_\_ )  
расшифровка подписи

« \_\_\_\_ » \_\_\_\_\_ 20 \_\_ г.

CONCLUSION MADE BY THE DEPARTMENT

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Head of the department \_\_\_\_\_ (print name)

“ \_\_\_\_\_ ” \_\_\_\_\_ 20...

**Appendix 2** *Example of a practical assignment for a student passing practical training*

**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**Federal State Budgetary Educational Institution of Higher Education**  
**«I. N. Ulianov Chuvash State University»**  
(FSBEI of HE «I. N. Ulianov Chuvash State University»)  
**Medical Faculty**  
**Oral and Maxillofacial Surgery and Dentistry Department**

**INDIVIDUAL ASSIGNMENT**  
**to a student-trainee**

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Full name of the trainee, group

to pass on-the-job training at (in)

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name of the profile organization/department of the University

1. Keeping and registration of the practice diary.
2. Passing instruction on introduction to the requirements of labor protection, occupational safety, fire safety, as well as the internal labor regulations of the organization that provides a place for practical training.
3. Performing an individual assignment:
  - familiarization with the practice base (medical organization), the structure of the medical and preventive facility, the functions and tasks of the subdivisions, their role and relationships with other subdivisions;
  - familiarization with the organization of work in a medical and preventive facility and surgical department (office) in particular;
  - studying medical documentation of a surgical office of the dental clinic;
  - studying modern methods of clinical, laboratory and instrumental diagnostics of surgical dental patients, organization and implementation of rehabilitation measures in surgical dentistry;
  - acquisition of skills in the diagnosis and surgical treatment of periodontitis, parodontium and oral mucosa diseases, conducting simple dental surgical treatment in accordance with the protocol of patients' management;
  - studying the issues of safety, labor protection and fire prevention measures;
  - studying modern methods for treating patients with surgical pathology and methods of assessing the quality of medical care for dental surgical patients, participation in medical conferences of the polyclinic;
  - acquisition of skills in making a preliminary diagnosis to patients with their subsequent referral to additional examination and to specialist doctors by the algorithm of making a detailed clinical diagnosis to patients;
  - drawing up the practice diary in accordance with the recommendations of p. 6.7 of the practice program.

Supervisor of practical training representing the Department

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Date of issuing the task " \_\_\_\_ " \_\_\_\_\_ 20 \_\_\_\_

**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**Federal State Budgetary Educational Institution**  
**Institution of Higher Education**  
**"I. N. Ulianov Chuvash State University»**  
(FSBEI of HE «I. N. Ulianov Chuvash State University»)

**Medical Faculty**  
**Oral and Maxillofacial Surgery and Dentistry Department**

**REPORT**  
**ON ON-THE-JOB TRAINING:**

at the base of \_\_\_\_\_  
(name of the relevant organization/department of the university)

The student passing on-the-job  
training, 4th year of study, specialty  
"Dentistry", group \_\_\_\_\_

\_\_\_\_\_  
signature, date

Full name

Head of practical training

\_\_\_\_\_  
Department

Job position

oral and maxillofacial surgery and  
dentistry

academic degree, academic title

\_\_\_\_\_  
S  
signature, date

Full name

Supervisor representing the medical  
and preventive facility,

\_\_\_\_\_

\_\_\_\_\_  
Job position

\_\_\_\_\_  
signature, date

Full name

Head of the department  
oral and maxillofacial surgery and  
dentistry

academic degree, academic title

\_\_\_\_\_  
S  
signature, date

Full name

Cheboksary, 20\_\_\_\_\_

**MINISTRY OF EDUCATION AND SCIENCE OF RUSSIA**  
**Federal State Budgetary Educational Institution**  
**Institution of Higher Education**  
**"I.N. Ulianov Chuvash State University»**  
(FSBEI of HE «I.N. Ulianov Chuvash State University»)

**Medical Faculty**  
**Oral and Maxillofacial Surgery and Dentistry Department**

**Dairy of**  
**on-the-job training**  
**practical training for obtaining professional skills and professional experience**  
(in surgical dentistry)

as a dentist's (surgeon's) assistant

Trainee \_\_\_\_\_ /  
(last name, first name, patronymic)

Faculty \_\_\_\_\_

Department \_\_\_\_\_

Group \_\_\_\_\_

Dental polyclinic \_\_\_\_\_

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Time frame of passing the practical training  
from " \_\_\_\_ " \_\_\_\_\_ to " \_\_\_\_ " \_\_\_\_\_ 20\_\_.

Assistant supervisor

Basic supervisor

Curator

Cheboksary, 20...

**Continuation of Appendix 4.**  
*Sample design of a practice diary*

| Date | Full name , age | Visit | Complaints and anamnesis | Data of objective and additional methods of examination | Diagnosis: | Treatment of |
|------|-----------------|-------|--------------------------|---|------------|--------------|
|      |                 |       |                          |   |            |              |

**Continuation of Appendix 4. Sample design of executing the practice diary**

**REPORT  
on on-the-job training:**

| Name of manipulations                   | Number     |           |
|---|------------|-----------|
|   | Assignment | Completed |
| Consulting patients                     | <b>75</b>  |           |
| Primary                                 |            |           |
| Repeated                                |            |           |
| Local anesthesia                        | <b>70</b>  |           |
| infiltration anesthesia                 |            |           |
| conduction anesthesia                   |            |           |
| Mandibular                              |            |           |
| Torus                                   |            |           |
| Posterior superior alveolar nerve block |            |           |
| Palatinal                               |            |           |
| Incisive                                |            |           |
| infraorbital                            |            |           |
| Mental                                  |            |           |
| Stem                                    |            |           |
| Tooth extraction.                       | <b>50</b>  |           |
| typical extraction                      |            |           |
| complicated extraction                  |            |           |
| Participation in operations             | <b>5</b>   |           |
| incision of inflammatory foci           |            |           |
| root apex resection                     |            |           |
| cystotomy, cystectomy                   |            |           |
| excision of dental operculum            |            |           |
| splinting of jaws, ligation of teeth    |            |           |
| primary surgical treatment of wounds    |            |           |

Signature of the medical director \_\_\_\_\_

Signature of the head of the Department \_\_\_\_\_

Department seal

**Continuation of Appendix 4. *Sample design of executing the practice diary***

**Educational and research work of the student during the practical training**

(the nature of the work performed, its assessment,  
participation in medical conferences of the polyclinic)

Signature of the head of the Department \_\_\_\_\_

Signature of the assistant supervisor \_\_\_\_\_

**Continuation of Appendix 4. *Sample design of executing the practice diary***

**CHARACTERISTIC**

Doctor- supervisor \_\_\_\_\_

Head of the Department \_\_\_\_\_

Chief Medical Officer \_\_\_\_\_

**Continuation of Appendix 4. *Sample design of executing the practice diary***

**Results of on-the-job training**

Date of passing the test on practice at the department " \_\_\_ " \_\_\_\_\_ 20\_.

Assessment of the credit test for the practical training at the department \_\_\_\_\_

Signature of the assistant supervisor \_\_\_\_\_

Signature of the head of the Department \_\_\_\_\_

**Appendix 5. Application**

To the Rector of FSBEI of HE  
"I. N. Ulianov Chuvash  
State University"

\_\_\_\_\_  
student \_\_\_\_\_ of the course,  
group \_\_\_\_\_  
faculty \_\_\_\_\_ of state-  
subsidized (contract) form of study  
\_\_\_\_\_ (full name)  
telephone № \_\_\_\_\_

**Application**

I request you to consider as a **practice base** to pass the educational (on-the-job) **practical training** (underline as necessary) in the period from \_\_\_\_ \_\_\_\_ 20... to \_\_\_\_ \_\_\_\_ 20....  
\_\_\_\_\_ ( full name of the organization).

**I cover myself all expenses related to travel to and from the place of practical training, as well as the costs of accommodation at the place of practical training.**

\_\_\_\_ \_\_\_\_ 20\_\_\_\_. № \_\_\_\_\_

\_\_\_\_\_  
student's signature

\_\_\_\_\_  
print full name

**Consents:**

Head of the department

\_\_\_\_\_  
signature

\_\_\_\_\_  
print full name

## Appendix 6. Briefing

### ACKNOWLEDGEMENT FORM with the requirements of labor protection, safety, fire safety, with the rules of internal labor regulations

Trainee \_\_\_\_\_  
*family name*

\_\_\_\_\_ *name* \_\_\_\_\_ *patronymic name*

speciality 31.05.03 Dentistry  
*code and name of speciality*

during the period of on-the-job (clinical) training  
to

\_\_\_\_\_ *name of the practical training according to the curriculum*

from \_\_\_\_\_ 20 \_\_\_\_ . to \_\_\_\_\_ 20 \_\_\_\_ .  
*date month year date month year*

in \_\_\_\_\_  
*name of organization*

passed instruction on introductions to the requirements of:

- ✓ occupational safety and health at the workplace,
- ✓ safety rules,
- ✓ fire safety;

got to know the rules of internal labor regulations.;

***Briefings and familiarization were conducted:***

Head of practical training  
representing a relevant organization \_\_\_\_\_ / \_\_\_\_\_

***I have passed the briefings, I am familiar with the rules:***

Trainee \_\_\_\_\_ /

Date of passing \_\_\_\_\_ 20 \_\_\_\_